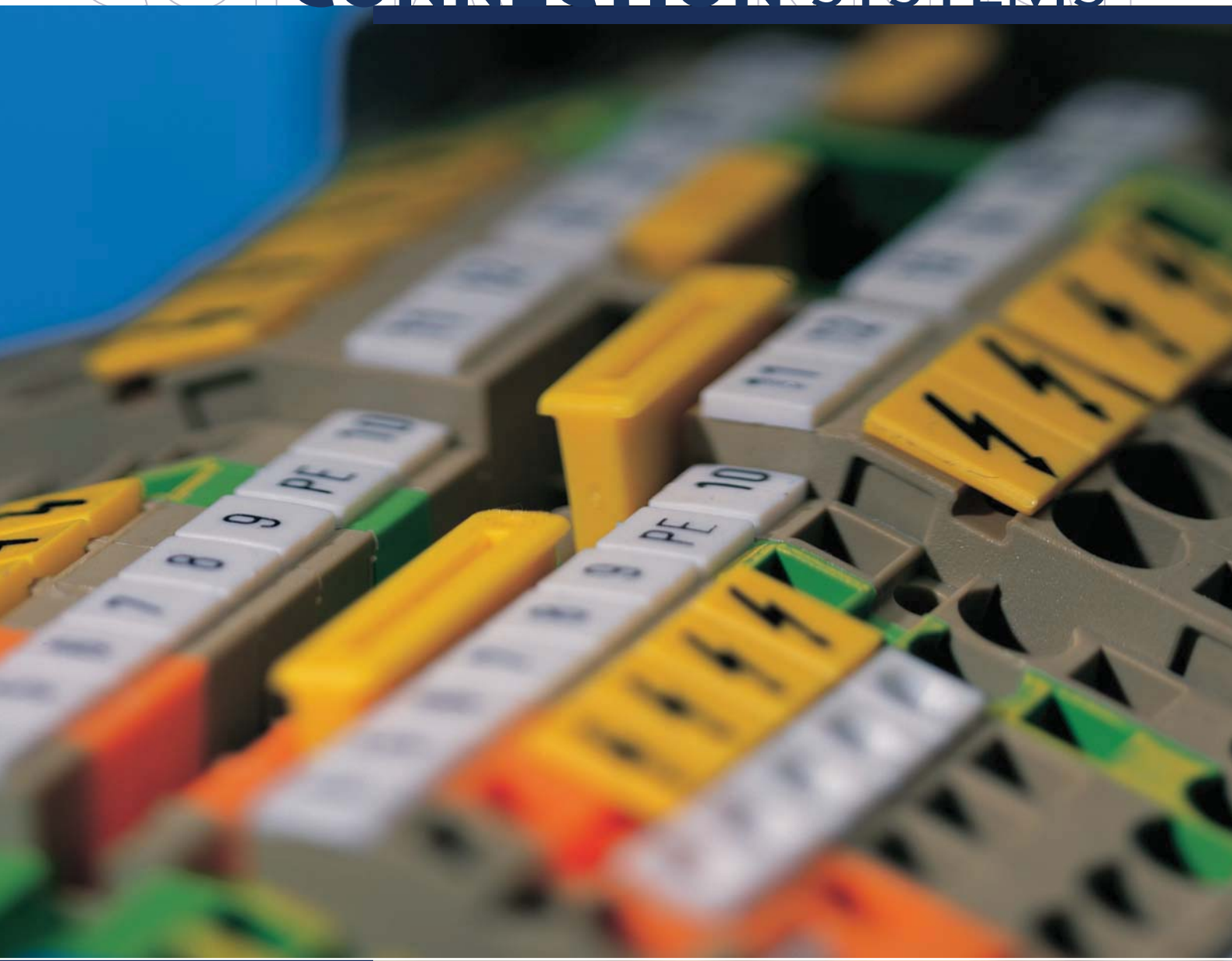
CONTA-CONNECT

CONNECTION SYSTEMS



CONTACLIP

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CONTA-CLIP

The Company

Founded and kept in the family since 1977: **CONTA-CLIP** is an owner-operated company that is a mid-sized global player. Users of electrical and electronic connection products have come to trust us for our reliable components. They also trust in our wide-reaching competence within the market and industry which has evolved over many years. In the years since our company was founded, we have evolved from a manufacturer to an innovator.

Our employees are connectivity specialists coming from a wide variety of backgrounds. They understand the specific problems, requirements and challenges of our customers. This ensures communication among equals. We then invest our gains directly into maintaining a modern and efficient production process. This allows us to maintain the most modern machinery at our facilities. We develop and produce the tooling ourselves. We neither make nor accept any compromise in the quality of materials used in our products.

Our top-class products are supported by this interplay between top-class men and machinery. We have also designed our range of services to align with customer needs. We develop electronics, assemble terminal rails, take care of component labelling, and deliver completely populated housings when needed – totally customized and expedited.

Our passion and concern for our customers' challenges does not end after we've delivered our solution. **CONTA-CLIP** customer representatives are always ready to offer their support to the customer, because service and support are our top priorities.

CONTA-CONNECT

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CONTA-CLIP

Overview

Products from our **CONTA-CONNECT** (connection systems), **CONTA-ELECTRONICS** (electronics) and **CONTA-CON** (PCB connectors) lines are developed and optimized in close cooperation with the user community. They contribute to the smooth operation of a vast diversity of applications.

Quality management at **CONTA-CLIP** is conducted in compliance with DIN ISO 9001 and the certification of our suppliers is a top priority for us. Our products also comply with the relevant international standards. We work with materials that contain no hazardous substances and support regenerative heat recovery. **CONTA-CLIP** strives for the ideal synergy between environmental sustainability, process optimization and innovative products.

CONTA-CONNECT
[Connection Systems]

CONTA-ELECTRONICS
[Electronics]

CONTA-CON
[PCB Connectors]

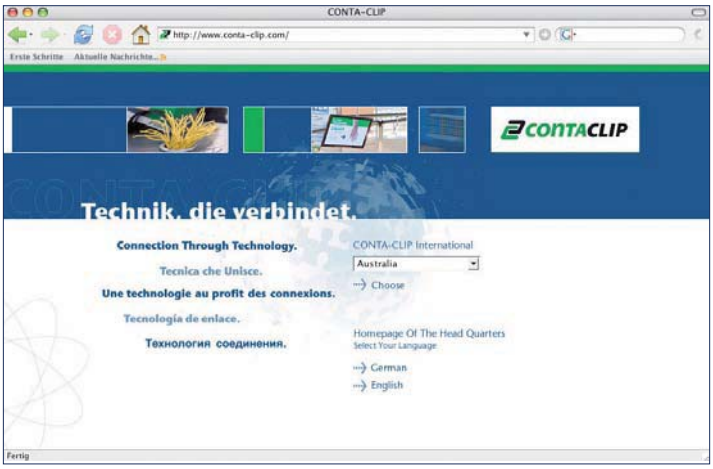
CONTA-CLIP

on the internet

You can find out all about product innovations, trade fair appointments, press releases, and more at our official **CONTA-CLIP** web site.

If you want to make sure you do not miss any news, subscribe with no obligation to our **CONTA-CLIP** newsletter by e-mail.

www.conta-clip.com



In Germany:
www.conta-clip.de

In France:
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In Holland:
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USA
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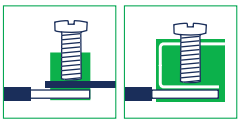
CONTA-CLIP

Product overview

Screw connection system



Screw connection system SRK|SSL
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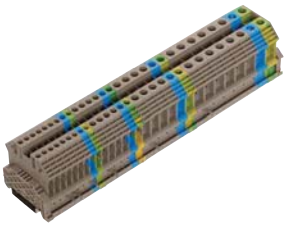

Screw connection system RK|SL
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Double-level terminal blocks RKD|RKDG
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Test-disconnect terminals PTK
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Fuse-disconnect terminals STK|SIK
Fused terminals SK
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Three-wire installation terminals DLI|DLIS
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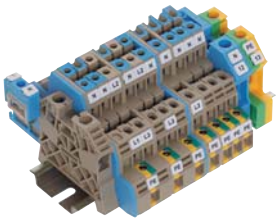

Feed-through terminals for direct no-rail mounting
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Pressure-spring connection system

Pressure-spring connection system FRK|FSL
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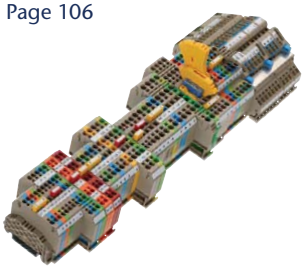

Double-level terminal blocks FRKD | Double-level PE terminal FSLD
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Disconnect-blade terminals | Disconnect terminals | Fused terminals FTRK
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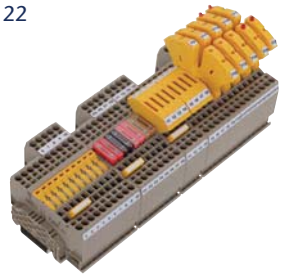

Tension-spring connection system

Tension-spring connection system ZRK|ZSL
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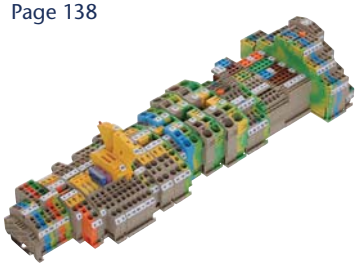

Double-level terminal blocks ZRKD| Double-level PE terminal ZSLD
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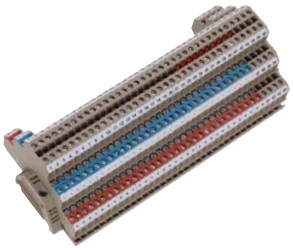

Disconnect terminal TRK|STK 2|TK
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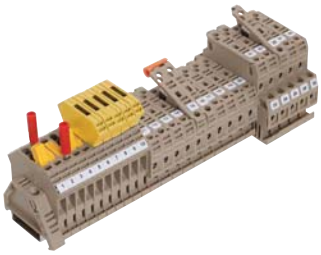

Pluggable connection system PK-TS
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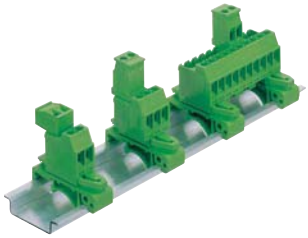

Three-wire installation terminals FDLIS
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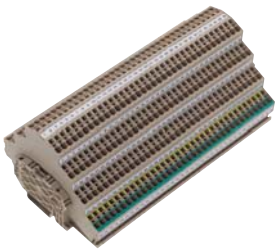

Disconnect-blade terminals | Disconnect terminals | Fused terminals FTRK
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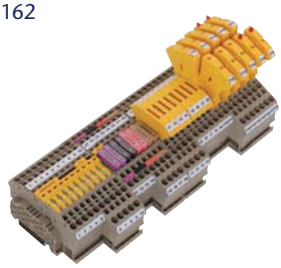

Compact terminal series for direct mounting ZSRK | ZSLN
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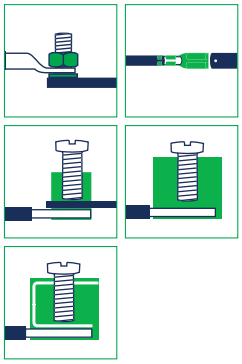
Product overview

SPECIAL TERMINALS



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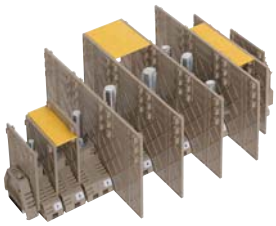

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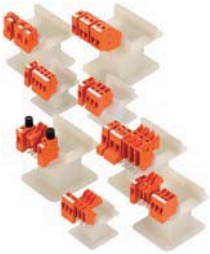

Feed-through terminals RK | Fused terminals SIK/SK, in high-temp. design
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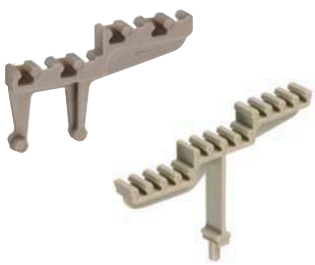

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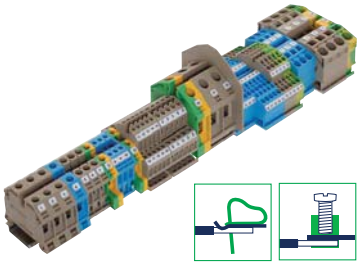

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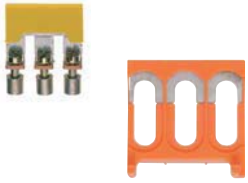

CE electrical cabinet socket outlet
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CONTA-CLIP

Product overview

MARKING SYSTEMS CONTA-LABEL

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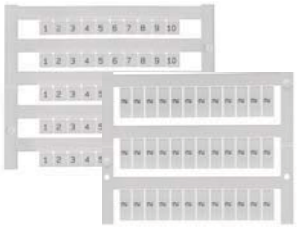

Terminal markers Quick marking system SB
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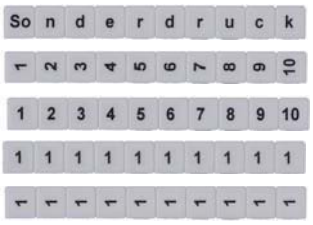

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Device and installation markers Maxicard MC GS | MC GST | MC GSU
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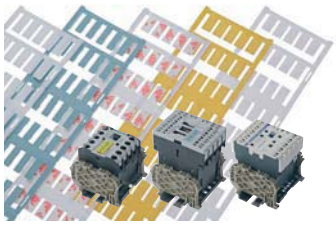

Device and installation markers Adhesive device labels GKE
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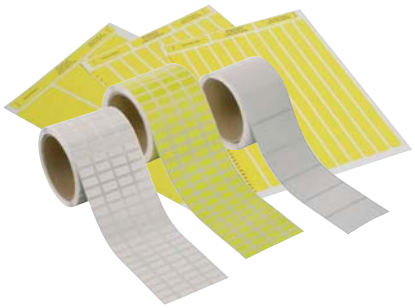

TOOL SYSTEMS CONTA-TOOL

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Polycarbonate housing CK-PC
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Polyester housing CP
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Terminal markers Maxicard MC SB | MC BSTR | MC MM
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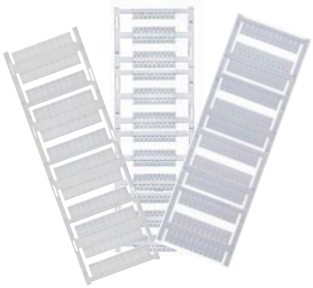

Wire and terminal markers Maxicard MC KMC
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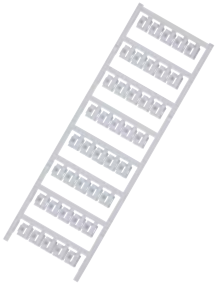

Wire and cable markers Maxicard MC ESS and MC GS
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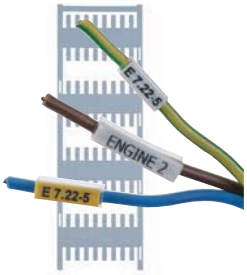

Cable and wire markers, cable marker sleeves
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Wire and cable markers Maxicard MC KMC
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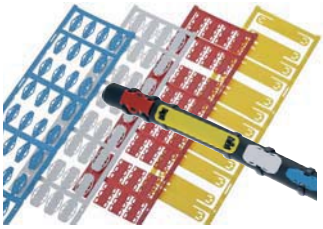

Wire and cable markers Cable ties KB | Markers KKM Marker sleeves KBH-S
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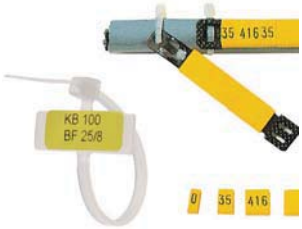

Printing systems and software Plotter and printing pens
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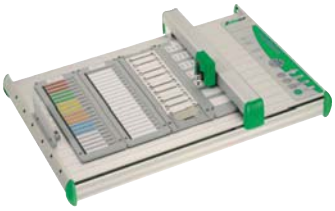

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Wire-end ferrules | Insulated connectors | crimp cable lugs | Joint connectors
Page 433

Polycarbonate housing CM | ABS housing CT
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Aluminium housing CA
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Cable gland systems
Page 486

CONTA-CLIP

Wire connection types

Screw connection system SRK|RK
The clamping yoke design

The clamping yoke transmits pressure from the screw to clamp the conductor against the busbar. The required contact force is generated by the torque applied to the screw.

This system provides a nearly gas-tight connection between the conductor and the internal busbar. The increased torque is generated by an elastic distortion of the terminal body. This creates increasing thread friction and results automatically in a stronger mechanical grip on the conductor.

Because of its construction, the clamping yoke is able to provide the strongest contact force and thus the lowest voltage drop. The clamping yoke and the connecting screw are make from carbonized steel that is galvanized and chrome-plated.

The advantages of using the pressure-spring connection mechanism:

- Maximum contact force and contact security
- Resistant to vibration
- Wire connection range from 0.08 to 240 mm²
- The lowest voltage drop
- Connection of multiple wires is possible

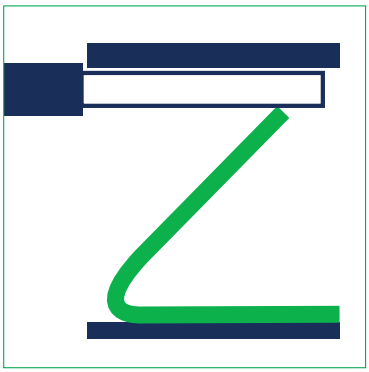
Screw connection system RK
Wire-protected design

The wire-protected design is an alternative to the clamping yoke; it is an applications-oriented, affordable and less technically demanding solution.

This simple connection mechanism is designed to be connected one time for an installation application. The wire protection feature prevents the wire from being cut off or pushed away by the screw.

The advantages of using the wire-protection connection mechanism:

- A cost-effective connection mechanism



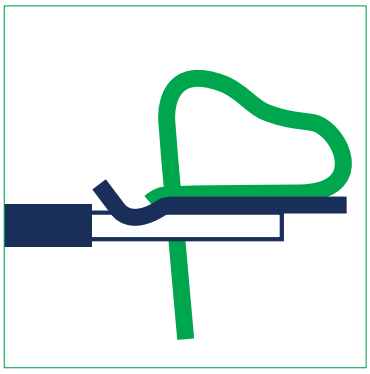
Pressure-spring connection system FRK
The pressure-spring design

The pressure spring design makes wiring convenient and ensures the maximum level of contact security! This connection mechanism unites the advantages of the **CONTA-CLIP** tension-clamp connection system with the possibility to connect individual wire using no tools!

Solid and stranded wires with wire-end ferrules can simply be inserted directly into the terminal point. The contact between the wire and the busbar is automatically established during this insertion. A standard screwdriver can be used to open the clamp for release or for the insertion of stranded wire without ferrules.

The advantages of using the pressure-spring connection mechanism:

- Wire can be contacted directly – no tool required
- Resistant to vibration
- Wire connection range from 0,08 to 4mm²
- Easy to work with
- Compact shape
- Reduces wiring time by up to 80%
- Saves much time and money



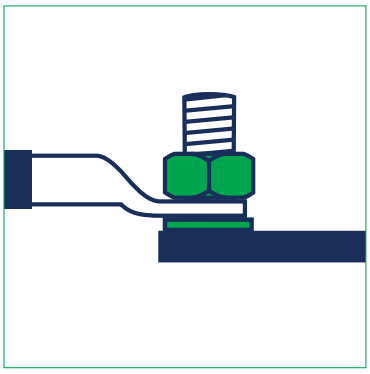
Tension-spring connection system ZRK
The tension-spring design

The tension-spring functions in a manner similar to the clamping yoke. The tension spring also separates the mechanical and electrical functions.

The tension spring consists of high-quality, rust-proof, acid-resistant steel. This spring presses the wire against the busbar. The tension spring is a connection element which can be used quickly and for many purposes, and which distinguishes itself by being maintenance-free and shock-proof. High resistance to vibration is guaranteed by the unique design of the tension spring.

The advantages of using the tension-spring connection mechanism:

- Resistant to vibration
- Wire connection range from 0.08 to 16 mm²
- Reduces wiring time by up to 50%
- Faster to connect compared to the tension-clamp connection mechanism.



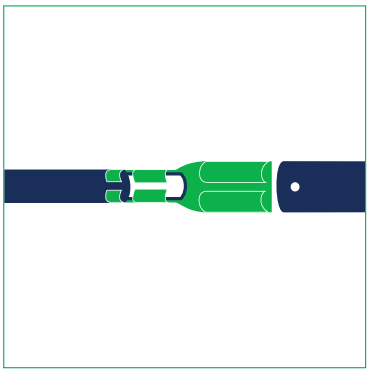
Stud connection system HSK
The stud design

Ring cable lugs are used in the stud connection to secure the wires onto studs. A secure electrical and mechanical connection to the busbar is established.

After attaching the cable lug on the wire, the lug is placed on the stud and fastened down using the counter nut. A spring lock washer is included to ensure that the lug does not loosen. The wire connection range is from 0,2 mm² to 120 mm².

The advantages of using the stud connection mechanism:

- Can connect power up to 1000 V and up to 269 A
- Resistant to vibration
- Can connect multiple wires (up to four)
- Wire cross-sections from 0.2 to 120 mm²
- Excellent contact force
- Low voltage drop



Spade connection system FF|SF
The spade design

In the spade connection mechanism, the wire is plugged onto the terminal block's busbar using a crimped-on spade cable lug so that no tool is needed.

The system's rated current depends on the rated current of the cable lug and the corresponding terminal block. This connection design is used in routing distribution on the control-signal level, control-voltage level and for potential/signal multiplication.

The advantages of using the spade connection mechanism:

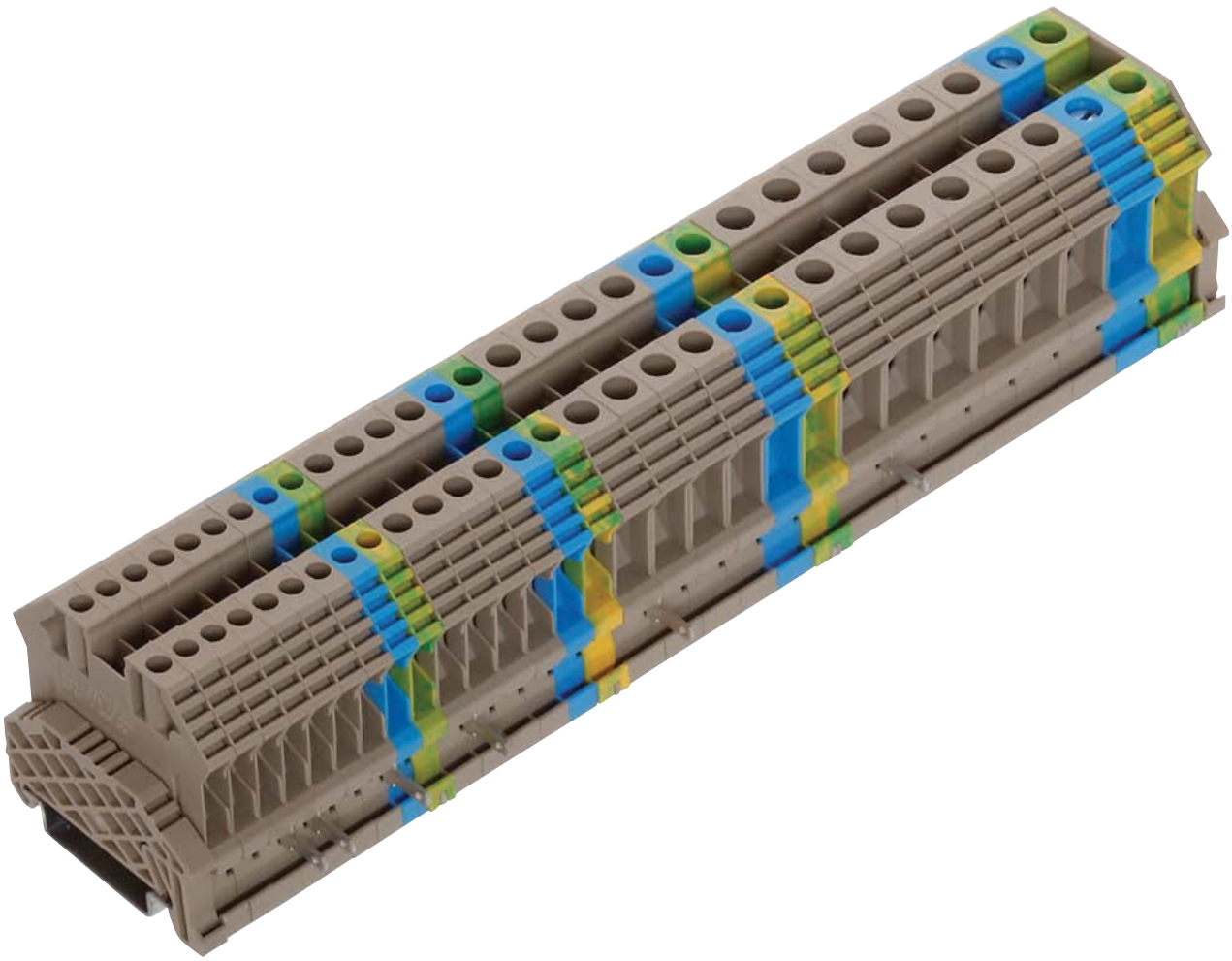
- Contact with wire established without any tool (using the crimped-on cable lug)
- Wire connection range from 0.2 to 6 mm²
- Easy to work with
- Can be rewired quickly

Screw connection system SRK | SSL

Proven – Safe – Reliable

CONTA-CLIP offers an innovative line of feed-through and protective-earth terminals featuring the proven screw-connection system for the smallest cross-sections ranging from 0.08 mm^2 to 10 mm^2. The screw-connection mechanism is easy to operate and can be used to establish a quick, safe connection using solid and finely stranded wires with or without wire-end ferrules. The protective-earth terminals feature a PE foot contact that is snapped on without screws, ensuring mechanical and electrical safety.
Our well-designed line of accessories allows you to significantly reduce your installation and storage costs. Potential voltages is muddled, the **SQI** pluggable cross connection system is used to connect together terminals along the rail. All of the insulating materials used in this product line are free of pollutants. They also comply with flammability class V0 (self-extinguishing) according to UL 94.

The basic feed-through and protective-earth terminals are certified as standard Atex and can thus be used in explosive-risk EEx e. zones.*1



*1 Starting 2011

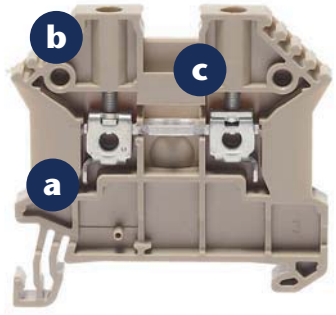
Screw connection system SRK | SSL

Features

a The connection | Secure contact

The clamping yoke transmits pressure from the screw to clamp the conductor against the busbar. The required contact force is generated by the torque applied to the screw.

- Rising clamp design
- High contact force and contact security | Minimal contact resistance
- Clear separation of electrical and mechanical functions
- Clamping yoke made from hardened steel: galvanized, chrome-plated and additionally thick-film passivated
- The busbars are made from copper with surface coating (tin)
- Resistant to vibration and maintenance-free
- Corrosion-free
- Low voltage drop
- Compact shape
- Foot base can be snapped on TS 35 DIN rail



c Pluggable cross-connection options

Distributing potentials with the pluggable **SQI** cross-connection system is quick and easy.
Two cross-connection channels allow two voltages to be fed across when working with the standard terminals with rated cross-sections of 2.5 mm^2, 4 mm^2, 6 mm^2 and 10 mm^2.

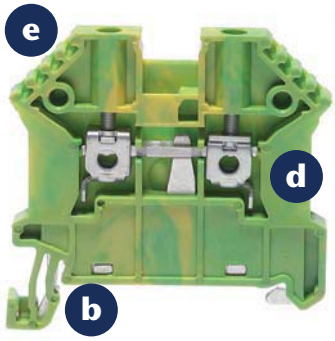
- Available in 2 to 10 and 30 poles
- Simple to insert and thus quicker to install
- No insulation plate or partition plate is required between a neighbouring cross-connection, since the **SQI** has a touch-safe protective design
- Cross-connection can carry the full rated current and voltage of the corresponding terminal block
- Individual terminals can be skipped over by breaking out contact pins in the cross-connector

Feature
The **SRK 2.5** to **SRK 10** feed-through terminals have a rail adapter built in to the lower part of the terminal housing. This allows the cable shield from a control or data line to be connected in addition to the individual wires.

b Easy and safe to wire with an established connection system

The screw-connection mechanism is easy to operate and can be used to establish a quick, safe connection using solid and finely stranded wires with or without wire-end ferrules.

- Simple and self-explanatory usage
- Can be used around the world
- A connection mechanism that has proven itself in millions of applications
- Generous wire-entry geometry
- Connection of multiple wires is possible
- PE foot contact on both sides – can be snapped on (no screws) to TS 35x7.5 and TS 35x15 rails.



d Housing insulation material

- Polyamide PA6.6 UL 94, flamm. class V0, self-extinguishing without burning drops
- Free of hazardous materials such as halogen or phosphor
- Creepage resistance: CTI 600
- Operating temperature from -40°C to +120°C

e Marking options

The standard terminals feature four labelling channels. They can be fitted with four **PMC SB** labelling tags or two **PMC BSTR** tags.

Screw connection system SRK | SSL

An overview of the advantages

Compact with identical shapes

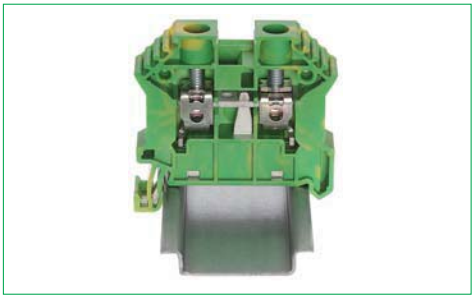
The external size and shape are identical for the **SRK** feed-through terminal and the **SSL** PE terminal in the cross-sections 2.5 mm², 4 mm², 6 mm² and 10 mm². Identical end plates and partition plates can thus be used. The width (pitch) of the terminal blocks is 2.5 mm² (5 mm), 4 mm² (6 mm), 6 mm² (8 mm) and 10 mm² (10 mm). Despite their small size, the **SRK** feed-through terminals and the **SSL** PE terminals have a rated voltage range of up to 1000 V.

Large wire-entry bay and connection space

The wire-entry bay is very spacious – this permits quick wiring of solid or finely stranded wires, with or without wire-end ferrules. The rated cross-sections specified in our documentation correspond to a connection with stranded wires using wire-end ferrules. It is also possible to use solid wires up to the next larger cross-section size.

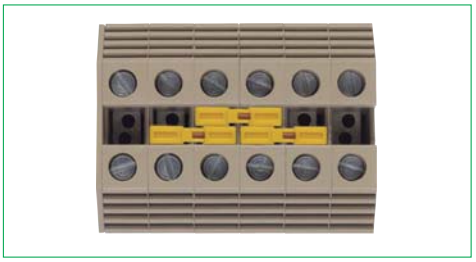
Security and stability

The insulated terminal housing with its special foot shape guarantees a convenient snap-on to the rail and a secure mount (on TS 35x7.5 and TS 35x15 according to EN 60715). Metal parts – including screws, clamping yoke, busbars, and PE foot – are securely mounted within the terminal housing. In addition, the screws are held captive from above by a screw brake mechanism. The PE terminals (**SSL 2.5** to **SSL 10**) make an electrical and mechanical connection to both sides of the rail. It can be snapped on to the rail with no need for screws and offers a maximum of mechanical and electrical security.



Cross-connection system

The standard feed-though terminals in 2.5 mm², 4 mm², 6 mm² and 10 mm² feature two cross-connection channels. So the two-pole **SQI.../2** cross-connectors can be used to connect any number of terminals with each other.



Distributing potentials

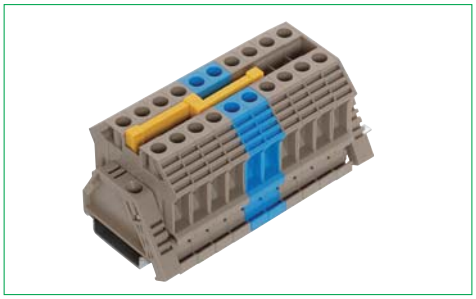
The **SQI** cross-connectors are available from 2 to 10 poles and with 30 poles. Two cross-connection channels allow two voltages to be fed across when working with the standard terminals with rated cross-sections of 2.5 mm², 4 mm², 6 mm² and 10 mm².
It is possible to shorten the **SQI** cross-connection with a cutting tool. The **SQI** system allows you to maintain touch-protection safety by covering the cut (uninsulated) end with a **SQIK** insulation cap.

Screw connection system SRK | SSL

An overview of the advantages

Skip-over bridging

It is possible to skip over terminal blocks by breaking out individual contact poles. You can mark these contact elements using the plastic insulation of the cross-connector.



Power feed with small cross-sections

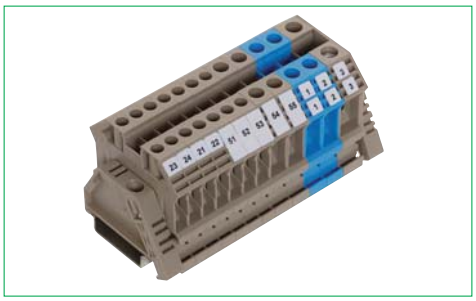
Screw terminals with larger cross-sections and standard cross-connectors can connect to a single terminal of the next size up for the power feed-in. The **SQI** cross-connection system can carry the rated voltage and rated current.

Easy to service

The 30-pole **SQI** cross-connector features a numbered scale which allows the user to easily count off the number of required poles.

Labelling

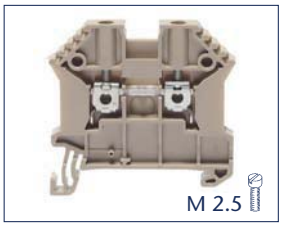
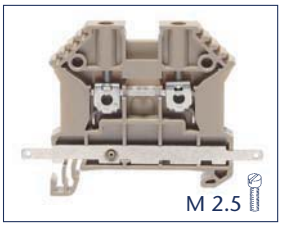
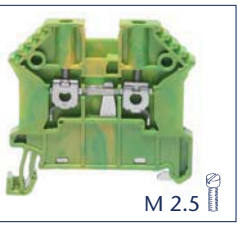
High-quality, quick and concise labelling is possible when using the **PMC SB, PMC BSTR** or **MC** labelling systems. The standard terminals feature up to four labelling channels.



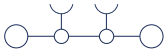
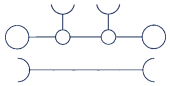
A comprehensive line of accessories
is available starting at page 264.

- DIN rails
- Mechanical attachment | end stop
- Group marker holders
- End plates | Visual separation
- Cross-connections (Potential distribution)
- Covers

Feed-through terminals SRK | Protective earth terminals SSL

Screw connection system	SRK 2.5/2A	SRK 2.5/2A SAS	SSL 2.5/2A
	 M 2.5	 M 2.5	 M 2.5

- Foot can be snapped on TS 35 DIN rail
- Housing made from polyamide 6.6 UL 94-V0

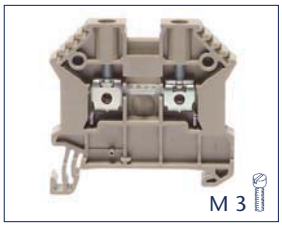
Connection diagram			
			
	Feed-through terminal 2 connections	Feed-through terminal, 2 connections with screen connection rail	Protective earth terminal 2 connections

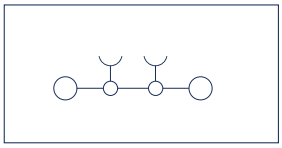
Connection type	Screw connection	Screw connection	Screw connection
Size (L x W x H), mm with TS 35 x 7.5 mm	48 x 5 x 47	62.5 x 5 x 47	48 x 5 x 47
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	SRK 2.5/2A BG	SRK 2.5/2A SAS BG	SSL 2.5/2A GNYE
Cat. no.	**17100.2** 100	**17119.2** 80	**17103.2** 100
Type colour	SRK 2.5/2A BU	SRK 2.5/2A SAS BU	
Cat. no.	**17100.5** 100	**17119.5** 80	
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available	2 5 3 1 4 6 7 8 9	2 5 3 1 4 6 7 8 9	2
Ratings	**IEC* CSAus* CSA***	**IEC***	**IEC* CSAus* CSA***
Rated voltage, V	1000 600 600	400	
Rated current, A | Max. current capacity, A	24 | 32 20 20	24 | 32	
Rated wire cross-section, mm² | AWG	2.5 | 22-12	2.5 | 22-12	2.5 | 22-12
Rated impulse voltage, kV | Contamination degree	8 | 3	8 | 3	8 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V0	A3 | V0	A3 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.2-4 | -	0.2-4 | -	0.2-4 | -
F. stranded | f. stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5
Contact wire range, mm²	0.2-4	0.2-4	0.2-4
Stripping length, mm	10	10	10
Torque, Nm | Screw	0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5
Special connection, mm		Fast-on 2.8	
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels |Test pick-off	2 | 1	2 | 1	1 | 1

Accessories		Page	Qty.		Page	Qty.		Page	Qty.
End plate AP	AP 2.5-10 BG			AP 2.5-10 BG			AP 2.5-10 BG		
Cat. no.	**2001.2**	278	50	**2001.2**	278	50	**2001.2**	278	50
Partition plate TW	TW 2.5-10 BG			TW 2.5-10 BG			TW 2.5-10 BG		
Cat. no.	**2002.2**	316	50	**2002.2**	316	50	**2002.2**	316	50
Insulating cap SQIK for cross-connector	SQIK 2.5-10 YE			SQIK 2.5-10 YE			SQIK 2.5-10 YE		
Cat. no.	**17200.8**	285	20	**17200.8**	285	20	**17200.8**	285	20
Insulated cross-connection SQI 2 poles	SQI 2.5/2 YE			SQI 2.5/2 YE			SQI 2.5/2 YE		
Cat. no.	**17201.8**	284	50	**17201.8**	284	50	**17201.8**	284	50
Insulated cross-connection SQI 3 poles	SQI 2.5/3 YE			SQI 2.5/3 YE			SQI 2.5/3 YE		
Cat. no.	**17202.8**	284	50	**17202.8**	284	50	**17202.8**	284	50
Insulated cross-connection SQI 4 poles	SQI 2.5/4 YE			SQI 2.5/4 YE			SQI 2.5/4 YE		
Cat. no.	**17203.8**	284	20	**17203.8**	284	20	**17203.8**	284	20
Insulated cross-connection SQI 5 poles	SQI 2.5/5 YE			SQI 2.5/5 YE			SQI 2.5/5 YE		
Cat. no.	**17204.8**	284	20	**17204.8**	284	20	**17204.8**	284	20
Insulated cross-connection SQI 6 poles	SQI 2.5/6 YE			SQI 2.5/6 YE			SQI 2.5/6 YE		
Cat. no.	**17205.8**	284	20	**17205.8**	284	20	**17205.8**	284	20
Insulated cross-connection SQI 7 poles	SQI 2.5/7 YE			SQI 2.5/7 YE			SQI 2.5/7 YE		
Cat. no.	**17206.8**	284	20	**17206.8**	284	20	**17206.8**	284	20
Insulated cross-connection SQI 8 poles	SQI 2.5/8 YE			SQI 2.5/8 YE			SQI 2.5/8 YE		
Cat. no.	**17207.8**	284	10	**17207.8**	284	10	**17207.8**	284	10
Insulated cross-connection SQI 9 poles	SQI 2.5/9 YE			SQI 2.5/9 YE			SQI 2.5/9 YE		
Cat. no.	**17208.8**	284	10	**17208.8**	284	10	**17208.8**	284	10
Insulated cross-connection SQI 10 poles	SQI 2.5/10 YE			SQI 2.5/10 YE			SQI 2.5/10 YE		
Cat. no.	**17209.8**	284	10	**17209.8**	284	10	**17209.8**	284	10
Insulated cross-connection SQI 30 poles	SQI 2.5/30 YE			SQI 2.5/30 YE			SQI 2.5/30 YE		
Cat. no.	**17210.8**	284	5	**17210.8**	284	5	**17210.8**	284	5
End stop ES	ES 35/K/ST BG			ES 35/K/ST BG			ES 35/K/ST BG		
Cat. no.	**2828.0**	274	50	**2828.0**	274	50	**2828.0**	274	50
Screwdriver SDB	SDB 0.5x3,0			SDB 0.5x3,0			SDB 0.5x3,0		
Cat. no.	**1085.0**	422	1	**1085.0**	422	1	**1085.0**	422	1
Quick marking PMC SB	PMC SB 5/50 WH			PMC SB 5/50 WH			PMC SB 5/50 WH		
Cat. no.	**4600.7**	339	500	**4600.7**	339	500	**4600.7**	339	500

More accessories starting on page 264.
*Approval applied for!

SRK 4/2A





Feed-through terminal
2 connections

Screw connection

48 x 6 x 47

	Qty.
SRK 4/2A BG **17104.2**	100
SRK 4/2A BU **17104.5**	100

(2) (5) (3) (1) (4) (6) (7) (8) (9)

IEC*	CSAus*	CSA*
1000	600	600
32 | 41	30	40

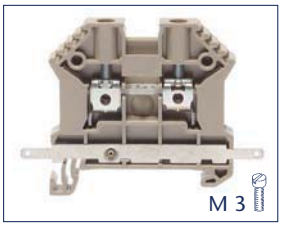
4 | 22-11
8 | 3
A4 | V0

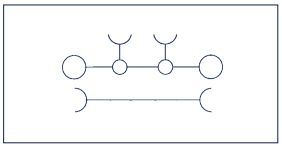
0.2-6 | -
0.2-6 | 0.2-4
0.2-6
10
0.5-1.0 | Slotted M 3

PA 6.6 | -40 to +120°C
2 | 1

	Page	Qty.
AP 2.5-10 BG **2001.2**	278	50
TW 2.5-10 BG **2002.2**	316	50
SQIK 2.5-10 YE **17200.8**	285	20
SQI 4/2 YE **17211.8**	284	50
SQI 4/3 YE **17212.8**	284	50
SQI 4/4 YE **17213.8**	284	20
SQI 4/5 YE **17214.8**	284	20
SQI 4/6 YE **17215.8**	284	20
SQI 4/7 YE **17216.8**	284	20
SQI 4/8 YE **17217.8**	284	10
SQI 4/9 YE **17218.8**	284	10
SQI 4/10 YE **17219.8**	284	10
SQI 4/30 YE **17220.8**	284	5
ES 35/K/ST BG **2828.0**	274	50
SDB 0.6x3.5 **1086.0**	422	1
PMC SB 6/50 WH **4702.7**	340	500

SRK 4/2A SAS





Feed-through terminal, 2 connections
with screen connection rail

Screw connection

62.5 x 6 x 47

	Qty.
SRK 4/2A SAS BG **17116.2**	80
SRK 4/2A SAS BU **17116.5**	80

(2) (5) (3) (1) (4) (6) (7) (8) (9)

IEC*
400
32 | 41

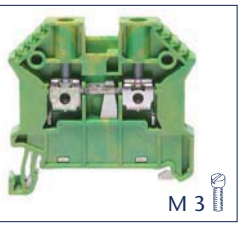
4 | 22-11
8 | 3
A4 | V0

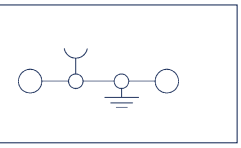
0.2-6 | -
0.2-6 | 0.2-4
0.2-6
10
0.5-1.0 | Slotted M 3
Fast-on 2.8

PA 6.6 | -40 to +120°C
2 | 1

	Page	Qty.
AP 2.5-10 BG **2001.2**	278	50
TW 2.5-10 BG **2002.2**	316	50
SQIK 2.5-10 YE **17200.8**	285	50
SQI 4/2 YE **17211.8**	284	50
SQI 4/3 YE **17212.8**	284	20
SQI 4/4 YE **17213.8**	284	20
SQI 4/5 YE **17214.8**	284	20
SQI 4/6 YE **17215.8**	284	20
SQI 4/7 YE **17216.8**	284	10
SQI 4/8 YE **17217.8**	284	10
SQI 4/9 YE **17218.8**	284	10
SQI 4/10 YE **17219.8**	284	10
SQI 4/30 YE **17220.8**	284	5
ES 35/K/ST BG **2828.0**	274	50
SDB 0.6x3.5 **1086.0**	422	1
PMC SB 6/50 WH **4702.7**	340	500

SSL 4/2A





PE terminal
2 connections

Screw connection

48 x 6 x 47

	Qty.
SSL 4/2A GNYE **17107.2**	100

(2)

IEC*	CSAus*	CSA*

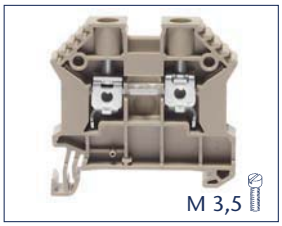
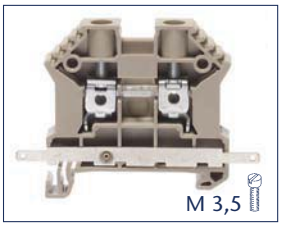
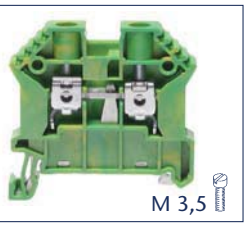
4 | 22-11
8 | 3
A4 | V0

0.2-6 | -
0.2-6 | 0.2-4
0.2-6
10
0.5-1.0 | Slotted M 3

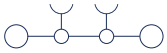
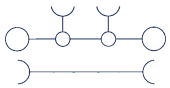
PA 6.6 | -40 to +120°C
1 | 1

	Page	Qty.
AP 2.5-10 BG **2001.2**	278	50
TW 2.5-10 BG **2002.2**	316	50
SQIK 2.5-10 YE **17200.8**	285	50
SQI 4/2 YE **17211.8**	284	50
SQI 4/3 YE **17212.8**	284	20
SQI 4/4 YE **17213.8**	284	20
SQI 4/5 YE **17214.8**	284	20
SQI 4/6 YE **17215.8**	284	20
SQI 4/7 YE **17216.8**	284	10
SQI 4/8 YE **17217.8**	284	10
SQI 4/9 YE **17218.8**	284	10
SQI 4/10 YE **17219.8**	284	10
SQI 4/30 YE **17220.8**	284	5
ES 35/K/ST BG **2828.0**	274	50
SDB 0.6x3.5 **1086.0**	422	1
PMC SB 6/50 WH **4702.7**	340	500

Feed-through terminals SRK | Protective earth terminals SSL

Screw connection system	SRK 6/2A	SRK 6/2A SAS	SSL 6/2A
	 M 3,5	 M 3,5	 M 3,5

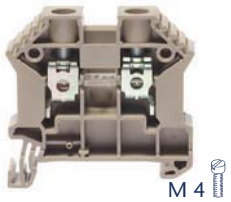
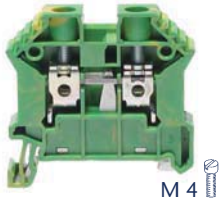
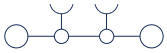
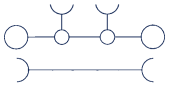
- Foot can be snapped on TS 35 DIN rail
- Housing made from polyamide 6.6 UL 94-V0

Connection diagram			
			
	Feed-through terminal 2 connections	Feed-through terminal, 2 connections with shield connection rail	PE terminal 2 connections

Connection type	Screw connection	Screw connection	Screw connection
Size (L x W x H), mm with TS 35 x 7.5 mm	48 x 8 x 47	62.5 x 8 x 47	48 x 8 x 47
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	SRK 6/2A BG	SRK 6/2A SAS BG	SSL 6/2A GNYE
Cat. no.	**17108.2** 100	**17117.2** 80	**17111.2** 100
Type colour	SRK 6/2A BU	SRK 6/2A SAS BU	
Cat. no.	**17108.5** 100	**17117.5** 80	
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available	.2 .5 .3 .1 .4 .6 .7 .8 .9	.2 .5 .3 .1 .4 .6 .7 .8 .9	.2
Ratings	**IEC* CSAus* CSA***	**IEC***	**IEC* CSAus* CSA***
Rated voltage, V	1000 600 600	320	
Rated current, A | Max. current capacity, A	41 | 57 50 55	41 | 57	
Rated wire cross-section, mm² | AWG	10 | 22-8	10 | 22-8	10 | 22-8
Rated impulse voltage, kV | Contamination degree	6 | 3	6 | 3	6 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A5 | V0	A5 | V0	A5 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.2-10 | 0.2-10	0.2-10 | 0.2-10	0.2-10 | 0.2-10
F. stranded | f. stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-10 | 0.2-6	0.2-10 | 0.2-6	0.2-10 | 0.2-6
Contact wire range, mm²	0.2-10	0.2-10	0.2-10
Stripping length, mm	10	10	10
Torque, Nm | Screw	1.2-2.0 | Slotted M 3,5	1.2-2.0 | Slotted M 3,5	1.2-2.0 | Slotted M 3,5
Special connection, mm		Fast-on 2.8	
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels |Test pick-off	2 | 1	2 | 1	1 | 1

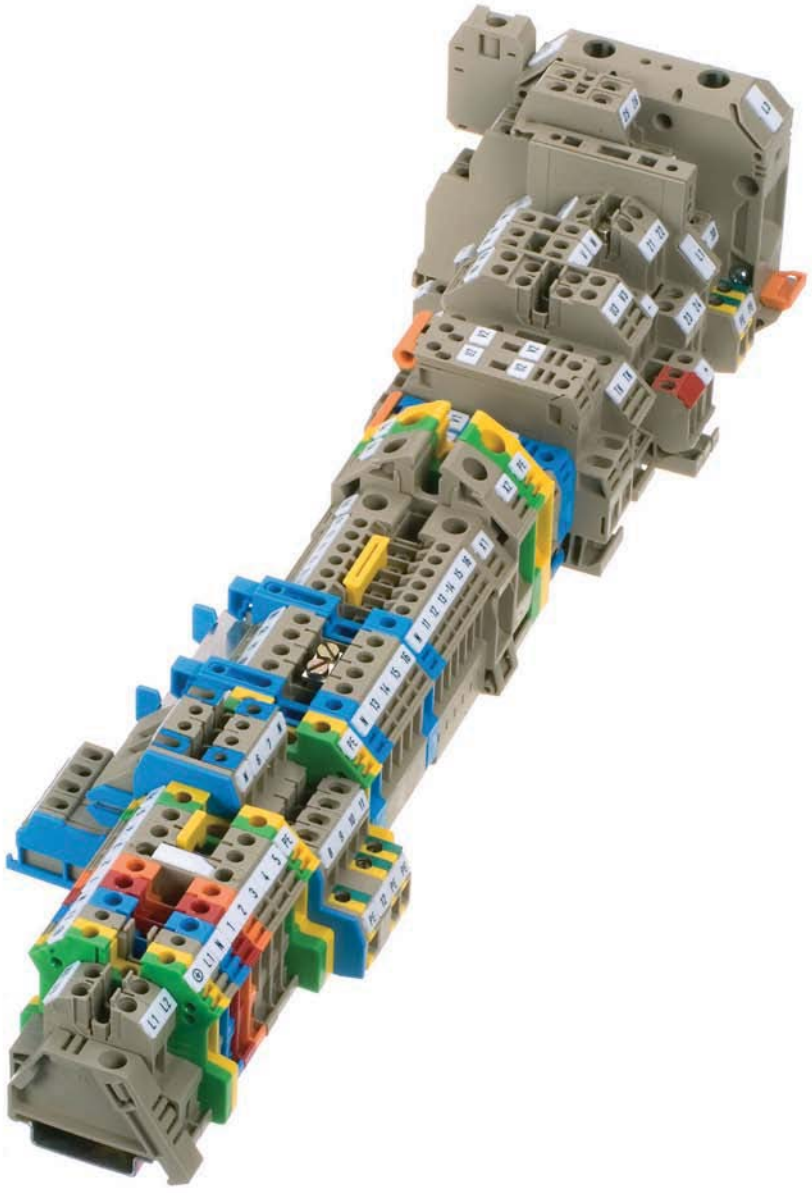
Accessories		Page	Qty.		Page	Qty.		Page	Qty.
End plate AP			AP 2.5-10 BG			AP 2.5-10 BG			AP 2.5-10 GN		
Cat. no.			**2001.2**	278	50	**2001.2**	278	50	**2001.2**	278	50
Partition plate TW			TW 2.5-10 BG			TW 2.5-10 BG			TW 2.5-10 BG		
Cat. no.			**2002.2**	316	50	**2002.2**	316	50	**2002.2**	316	50
Insulating cap SQIK for cross-connector			SQIK 2.5-10 YE			SQIK 2.5-10 YE			SQIK 2.5-10 YE		
Cat. no.			**17200.8**	285	20	**17200.8**	285	20	**17200.8**	285	20
Insulated cross-connection SQI			SQI 6/2 YE			SQI 6/2 YE			SQI 6/2 YE		
Cat. no.	2 poles		**17221.8**	284	50	**17221.8**	284	50	**17221.8**	284	50
Insulated cross-connection SQI			SQI 6/3 YE			SQI 6/3 YE			SQI 6/3 YE		
Cat. no.	3 poles		**17222.8**	284	50	**17222.8**	284	50	**17222.8**	284	50
Insulated cross-connection SQI			SQI 6/4 YE			SQI 6/4 YE			SQI 6/4 YE		
Cat. no.	4 poles		**17223.8**	284	20	**17223.8**	284	20	**17223.8**	284	20
Insulated cross-connection SQI			SQI 6/5 YE			SQI 6/5 YE			SQI 6/5 YE		
Cat. no.	5 poles		**17224.8**	284	20	**17224.8**	284	20	**17224.8**	284	20
Insulated cross-connection SQI			SQI 6/6 YE			SQI 6/6 YE			SQI 6/6 YE		
Cat. no.	6 poles		**17225.8**	284	20	**17225.8**	284	20	**17225.8**	284	20
Insulated cross-connection SQI			SQI 6/7 YE			SQI 6/7 YE			SQI 6/7 YE		
Cat. no.	7 poles		**17226.8**	284	20	**17226.8**	284	20	**17226.8**	284	20
Insulated cross-connection SQI			SQI 6/8 YE			SQI 6/8 YE			SQI 6/8 YE		
Cat. no.	8 poles		**17227.8**	284	10	**17227.8**	284	10	**17227.8**	284	10
Insulated cross-connection SQI			SQI 6/9 YE			SQI 6/9 YE			SQI 6/9 YE		
Cat. no.	9 poles		**17228.8**	284	10	**17228.8**	284	10	**17228.8**	284	10
Insulated cross-connection SQI			SQI 6/10 YE			SQI 6/10 YE			SQI 6/10 YE		
Cat. no.	10 poles		**17229.8**	284	10	**17229.8**	284	10	**17229.8**	284	10
Insulated cross-connection SQI			SQI 6/30 YE			SQI 6/30 YE			SQI 6/30 YE		
Cat. no.	30 poles		**17230.8**	284	5	**17230.8**	284	5	**17230.8**	284	5
End stop ES			ES 35/K/ST BG			ES 35/K/ST BG			ES 35/K/ST BG		
Cat. no.			**2828.0**	274	50	**2828.0**	274	50	**2828.0**	274	50
Screwdriver SDB			SDB 0,8x4,0			SDB 0,8x4,0			SDB 0,8x4,0		
Cat. no.			**1087.0**	422	1	**1087.0**	422	1	**1087.0**	422	1
Quick marking PMC SB			PMC SB 8/40 WH			PMC SB 8/40 WH			PMC SB 8/40 WH		
Cat. no.			**9323.7**	342	400	**9323.7**	342	400	**9323.7**	342	400

More accessories starting on page 264.
*Approval applied for!

SRK 10/2A	SRK 10/2A SAS	SSL 10/2A		
				
				
Feed-through terminal 2 connections	Feed-through terminal, 2 connections with shield connection rail	PE terminal 2 connections		
Screw connection	**Screw connection**	**Screw connection**		
48 x 10 x 47	62.5 x 10 x 47	48 x 10 x 47		
Qty.	**Qty.**	**Qty.**		
SRK 10/2A BG **17112.2** 100	SRK 10/2A SAS BG **17118.2** 80	SSL 10/2A GNYE **17115.2** 100		
SRK 10/2A BU **17112.5** 100	SRK 10/2A SAS BU **17118.5** 80			
(2) (5) (3) (1) (4) (6) (7) (8) (9)	(2) (5) (3) (1) (4) (6) (7) (8) (9)	(2)		
IEC* **CSAus*** **CSA***	**IEC***	**IEC*** **CSAus*** **CSA***		
1000 600 600	250			
57 | 76 65 85	57 | 76			
16 | 10-6	16 | 10-6	16 | 10-6		
8 | 3	8 | 3	8 | 3		
B7 | V2	B7 | V2	B7 | V2		
0.2-16 | 0.2-16	0.2-16 | 0.2-16	0.2-16 | 0.2-16		
0.2-16 | 0.2-10	0.2-16 | 0.2-10	0.2-16 | 0.2-10		
0,6-16	0,6-16	0,6-16		
10	10	10		
2.0-4.0 | Slotted M 4	2.0-4.0 | Slotted M 4	2.0-4.0 | Slotted M 4		
	Fast-on 2.8			
PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C		
2 | 1	2 | 1	1 | 1		
Page **Qty.**	**Page** **Qty.**	**Page** **Qty.**		
AP 2.5-10 BG **2001.2** 278 50	AP 2.5-10 BG **2001.2** 278 50	AP 2.5-10 GN **2001.1** 278 50		
TW 2.5-10 BG **2002.2** 316 50	TW 2.5-10 BG **2002.2** 316 50	TW 2.5-10 BG **2002.2** 316 50		
SQIK 2.5-10 YE **17200.8** 285 20	SQIK 2.5-10 YE **17200.8** 285 50	SQIK 2.5-10 YE **17200.8** 285 50		
SQI 10/2 YE **17231.8** 285 50	SQI 10/2 YE **17231.8** 285 50	SQI 10/2 YE **17231.8** 285 50		
SQI 10/3 YE **17232.8** 285 50	SQI 10/3 YE **17232.8** 285 20	SQI 10/3 YE **17232.8** 285 20		
SQI 10/4 YE **17233.8** 285 20	SQI 10/4 YE **17233.8** 285 20	SQI 10/4 YE **17233.8** 285 20		
SQI 10/5 YE **17234.8** 285 20	SQI 10/5 YE **17234.8** 285 20	SQI 10/5 YE **17234.8** 285 20		
SQI 10/6 YE **17235.8** 285 20	SQI 10/6 YE **17235.8** 285 20	SQI 10/6 YE **17235.8** 285 20		
SQI 10/7 YE **17236.8** 285 20	SQI 10/7 YE **17236.8** 285 10	SQI 10/7 YE **17236.8** 285 10		
SQI 10/8 YE **17237.8** 285 10	SQI 10/8 YE **17237.8** 285 10	SQI 10/8 YE **17237.8** 285 10		
SQI 10/9 YE **17238.8** 285 10	SQI 10/9 YE **17238.8** 285 10	SQI 10/9 YE **17238.8** 285 10		
SQI 10/10 YE **17239.8** 285 10	SQI 10/10 YE **17239.8** 285 10	SQI 10/10 YE **17239.8** 285 10		
SQI 10/30 YE **17240.8** 285 5	SQI 10/30 YE **17240.8** 285 5	SQI 10/30 YE **17240.8** 285 5		
ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50		
SDB 0,8x4,0 **1087.0** 422 1	SDB 0,8x4,0 **1087.0** 422 1	SDB 0,8x4,0 **1087.0** 42 1		
PMC SB 8/50 WH **9323.7** 339 500	PMC SB 8/50 WH **9323.7** 339 500	PMC SB 8/50 WH **9323.7** 339 500		

Screw connection system RK | SL *Proven – Safe – Reliable*

CONTA-CLIP offers an innovative line of feed-through and protective-earth terminals featuring the proven screw-connection system for the smallest cross-sections ranging from 0.08 mm^2 to 240 mm^2. This also includes disconnect terminals, fused terminals, actuator terminals, sensor terminals, motor-connection terminals and direct-mounting terminals. This system can be used for a large variety of applications with only a minimal number of accessory parts. The screw-connection mechanism is easy to operate and can be used to establish a quick, safe connection using solid and finely stranded wires with or without wire-end ferrules. The protective-earth terminals feature a PE foot contact that is snapped on, ensuring mechanical and electrical safety. Our well-designed line of accessories allows you to significantly reduce your installation and storage costs. You can take advantage of this system to implement all of your switching requirements with a minimal amount of accessories. Our clamping-yoke system has already proven itself in millions of applications. It ensures an electro-mechanical connection that is both permanent and high-quality.



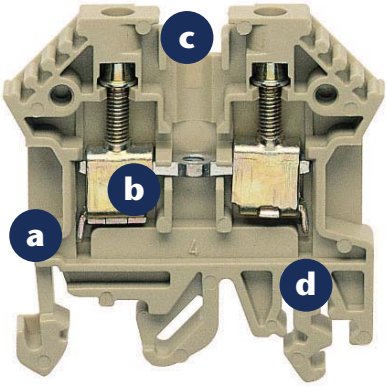
Screw connection system RK | SL

Features

a The connection | Secure contact

The clamping yoke transmits pressure from the screw to clamp the conductor against the busbar. The required contact force is generated by the torque applied to the screw.

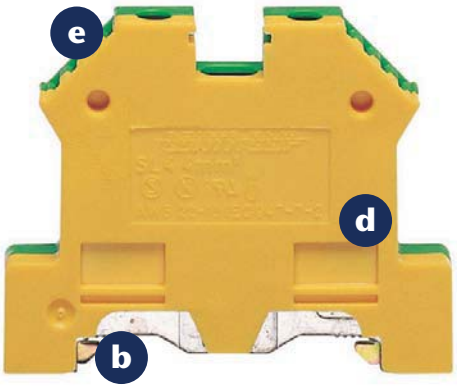
- Rising clamp design
- High contact force and contact security | Minimal contact resistance
- Clear separation of electrical and mechanical functions
- Clamping yoke made from hardened steel: galvanized, chrome-plated and additionally thick-film passivated
- Busbars made from copper or high-quality brass with surface coating (tin)
- Resistant to vibration and maintenance-free
- Corrosion-free
- Low voltage drop
- Compact shape
- The product line includes terminal blocks that can be snapped on to TS 15, TS 32/35 and TS 35 rails.



b Easy and safe to wire with an established connection system

The screw-connection mechanism is easy to operate and can be used to establish a quick, safe connection using solid and finely stranded wires with or without wire-end ferrules.

- Simple and self-explanatory usage
- Can be used around the world
- A connection mechanism that has proven itself in millions of applications
- Generous wire-entry geometry
- Connection of multiple wires is possible
- The centrally screwed PE foot grips both sides of the rail to ensure both mechanical strength and electrical safety.



c Possibilities for cross-connections

The pre-assembled **Q/QI** cross-connection units, available with 2, 3, 4 or 10 poles, significantly reduce installation times. There are additional advantages with the **QI** insulated cross-connections when using terminal blocks up to 10 mm^2.
Because of its angled design, two **QI**s can be assembled offset (staggered). Thus it is possible to achieve the parallel guiding of two potentials.

Since the **QI** is insulated and touch-safe according to VDE 0106 section 100, it is not necessary to use end plates or partitions between neighbouring cross-connection up to 400V. The **QI** cross-connections can carry the rated current of the terminal blocks. Terminals can be skipped over by breaking out individual contact poles.

d Housing insulation material

- Polyamide PA6.6 UL 94, flamm. class V2 self-extinguishing
- Free of hazardous materials such as halogen or phosphor
- Creepage resistance: CTI 600
- Operating temperature from -40°C to +105°C

e Marking options

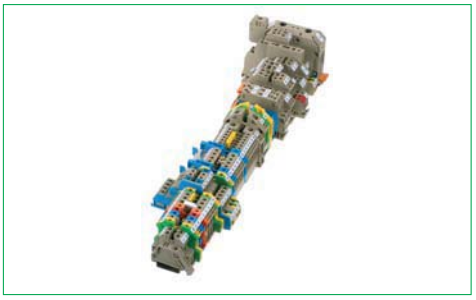
The standard terminals feature four labelling channels. They can be fitted with four **PMC SB** labelling tags or two **PMC BSTR** tags.

Screw connection system RK | SL

An overview of the advantages

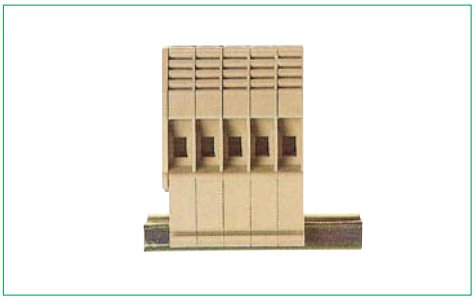
A connection system proven in millions of applications

The screw connection is still the foundation for industrial-strength connectivity. It can exert very high contact forces in a small space while still ensuring a high level of contact safety.



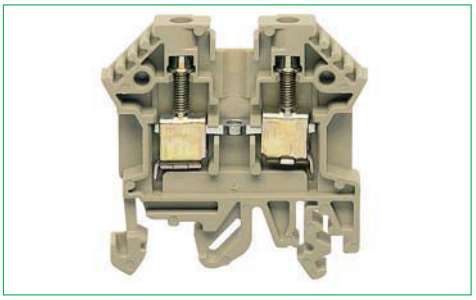
Large wire-entry bay and connection space

The funnelled entry into the insulation housing guides the wire smoothly into the clamping yoke. This makes it easy to feed in stranded and finely stranded wires (even without wire-end ferrules) in a safe and smooth manner. The rated cross-sections specified in our documentation correspond to a connection with stranded wires using wire-end ferrules. It is also possible to use solid wires up to the next larger cross-section size.



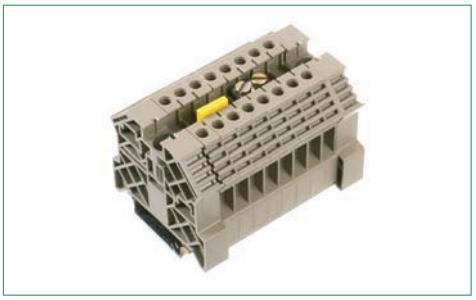
Stability and efficiency

CONTA-CLIP terminal block with the **RK** screw-connection system are normally equipped with a combi-foot. This ensures that the terminal blocks can easily be snapped on to the **TS 35 x 7.5, TS 35 x 15** rails (according to DIN EN 50 022) and the **TS 32** (according to DIN EN 50 035). When using a C-rail (**TS 32**) and the device/top-hat rail (**TS 35**), you can significantly reduce the number of required terminal block types in your inventory. Economically, this provides you with a cost-effective solution.



Cross-connection system

You can save time when distributing potentials between terminal blocks of identical cross-section ranges when using the **Q/QI** screwable cross-connection system. The **QI** has a touch-safe design and, like the **Q** cross-connection system, is available with 2, 3, 4 or 10 poles.



The QI cross-connector variability

Thanks to the angled design of the insulated **QI** cross-connector, it is possible to guide different potentials in parallel and without loss of poles when using the **QI** system with cross-sections ranging from 2.5 mm^2 to 10 mm^2.

Screw connection system RK | SL

An overview of the advantages

Skip-over bridging

With the standard terminal blocks, it is possible to skip over terminal blocks by breaking out individual contact poles. A cutting tool can be used to shorten the cross-connections. In this case, make sure that the cut side is fitted with an end plate so that the voltage rating is maintained.

External cross-connector AQI

The **AQI** can be used to make a cross-connection for terminal blocks with no cross-connection channel and for applications requiring an additional potential to be cross-connected.

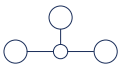
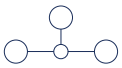
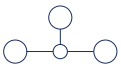
Labelling

High-quality, quick and concise labelling is possible when using the **PMC SB, PMC BSTR** or **MC** labelling systems. The standard terminals feature up to four labelling channels.

A comprehensive line of accessories
is available starting at page 264.

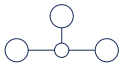
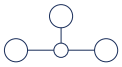
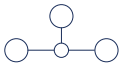
- DIN rails
- Mechanical attachment | end stop
- Group marker holders
- End plates | Visual separation
- Cross-connections (Potential distribution)
- Covers
- Test adapters

Feed-through terminals RK | Protective earth terminals SL

Screw connection system	SRK 2.5/15	RK 1.5-4/15	RK 1.5-4/15 STB
	M 2.5	M 3	M 3
• Foot can be snapped on TS 15 and TS 35 DIN rails • Housing made from polyamide 6.6 UL 94-V2			
Connection diagram			
	Feed-through terminal 2 connections	Feed-through terminal 2 connections	Feed-through terminal 2 connections

Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Size (L x W x H) mm with TS 15 mm	26 x 5 x 29.5	27 x 6 x 34.5	27 x 6 x 34.5
Size (L x W x H) mm with TS 32 mm			
Size (L x W x H) mm with TS 35 x 7.5 mm			
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	SRK 2.5/15 BG	RK 1.5-4/15 BG	RK 1.5-4/15 STB BG
Cat. no.	**1035.2** 100	**1010.2** 100	**1013.2** 100
Type/colour	SRK 2.5/15 BU	RK 1.5-4/15 BU	RK 1.5-4/15 STB BU
Cat. no.	**1035.5** 100	**1010.5** 100	**1013.5** 100
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	.2 .5 .3 .1 .4 .7 .8 .9	.2 .5 .3 .1 .4 .7 .8 .9	.2 .5
Rated specifications acc. to	**IEC UL CSA**	**IEC UL CSA**	**IEC UL CSA**
Rated voltage, V	500 300 300	500 300 300	500 300 300
Rated current, A	24 15 20	32 30 40	32 30 40
Rated wire cross-section, mm² | AWG	2.5 | 22-14	4 | 22-10	4 | 22-10
Rated impulse voltage, kV | Contamination degree	6 | 3	6 | 3	6 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V2	A4 | V2	A4 | V2
Connection data			
Single wire (solid) / Stranded mm²	0.2-4 | -	0.2-4 | -	0.2-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5	0.2-4 | 0.2-4	0.2-4 | 0.2-4
Contact wire range, mm²	0.2-4	0.2-4	0.2-4
Stripping length, mm	7	9	9
Torque, Nm | Screw	0.4-0.8 | Slotted M 2.5	0.5-1.0 | Slotted M 3	0.5-1.0 | STB M 3
Special connection, mm			PS 2,3
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels |Test pick-off	1 | -	1 | -	1 | 2
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
End plate AP **Cat. no.**	AP 2.5/15 BG **2427.2** 278 50	AP 1.5-4 BG **2738.2** 278 50	AP 1.5-4 BG **2738.2** 278 50
Partition plate TW **Cat. no.**	TW 2.5/15 BG **2428.2** 316 50	TW 1.5-4 BG **2071.2** 316 50	TW 1.5-4 BG **2071.2** 316 50
Insulation plate TRS **Cat. no.**		TRS 3 BG **2566.2** 316 100	TRS 3 BG **2566.2** 316 100
Cross-connector Q **Cat. no.** 2 poles	Q 2 **2422.0** 288 50	Q 2 **2087.0** 289 20	Q 2 **2087.0** 289 20
Cross-connector Q **Cat. no.** 3 poles	Q 3 **2423.0** 288 50	Q 3 **2088.0** 289 20	Q 3 **2088.0** 289 20
Cross-connector Q **Cat. no.** 4 poles	Q 4 **2424.0** 288 20	Q 4 **2089.0** 288 10	Q 4 **2089.0** 288 10
Cross-connector Q **Cat. no.** 10 poles	Q 10 **2425.0** 288 10	Q 10 **2090.0** 289 10	Q 10 **2090.0** 289 10
End stop ES **Cat. no.**	ES 15 BG **2074.2** 275 50	ES 15 BG **2074.2** 275 50	ES 15 BG **2074.2** 275 50
Test plug PS **Cat. no.**			PS 2,3 **2007.0** 317 20
Screwdriver SDB **Cat. no.**	SDB 0.5x3,0 **1085.0** 422 1	SDB 0,6x35 **1086.0** 422 1	SDB 0,6x35 **1086.0** 422 1
Quick marking PMC SB **Cat. no.**	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500

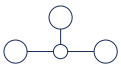
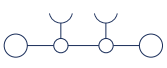
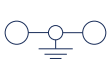
More accessories starting on page 264.

SL 4/15	SRK 2.5	RK 1.5-4	RK 1.5-4/STB	SLN 2.5/35
M 3	M 2.5	M 3	M 3	M 2.5
				
Protective earth terminal 2 connections	Feed-through terminal 2 connections	Feed-through terminal 2 connections	Feed-through terminal 2 connections	Protective earth terminal 2 connections
Screw connection	**Screw connection**	**Screw connection**	**Screw connection**	**Screw connection**
32 x 7 x 34	45 x 5 x 43.5 45 x 5 x 39	45 x 6 x 48 45 x 6 x 43.5	45 x 6 x 48 45 x 6 x 43.5	52 x 6 x 38.9
Qty.	**Qty.**	**Qty.**	**Qty.**	**Qty.**
SL 4/15 GNYE **1064.2** 100	SRK 2.5 BG **1030.2** 100 SRK 2.5 BU **1030.5** 100	RK 1.5-4 BG **1015.2** 100 RK 1.5-4 BU **1015.5** 100	RK 1.5-4/STB BG **1009.2** 100 RK 1.5-4/STB BU **1009.5** 100	SLN 2.5/35 GNYE **1058.2** 100
.2	.2 .5 .3 .1 .4 .7 .8 .9	.2 .5 .3 .1 .4 .7 .8 .9	.2 .5	.2
IEC UL cUL	**IEC UL CSA**	**IEC UL CSA**	**IEC UL CSA**	**IEC UL cUL**
	500 300 300	500 300 300	500 300 300	
	24 15 20	32 30 40	32 30 40	
4 | 22-10	2.5 | 22-14	4 | 22-10	4 | 22-10	2.5 | 22-12
8 | 3	6 | 3	6 | 3	6 | 3	8 | 3
A3 | V2	A3 | V2	A4 | V2	A4 | V2	A3 | V2
0.2-4 | -	0.2-4 | -	0.2-4 | -	0.2-4 | -	0.2-4 | -
0.2-4| 0.2-4	0.2-4 | 0.2-2.5	0.2-4 | 0.2-4	0.2-4 | 0.2-4	0.2-4 | 0.2-2.5
0.2-4	0.2-4	0.2-4	0.2-4	0.2-4
9	7	9	9	10
0.5-1.0 | Slotted M 3	0.4-0.8 | Slotted M 2.5	0.5-1.0 | Slotted M 3	0.5-1.0 | STB M 3 PS 2,3	0.4-0.8 | Slotted M 2.5
PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C 1 | -	PA 6.6 | -40 to +105°C 1 | -	PA 6.6 | -40 to +105°C 1 | 2	PA 6.6 | -40 to +105°C
Page Qty.	**Page Qty.**	**Page Qty.**	**Page Qty.**	**Page Qty.**
	AP-SR BG **2070.2** 278 50 TW 2.5 BG **2071.2**/ 316 50	AP 1.5-4 BG **2738.2** 278 50 TW 1.5-4 BG **2071.2** 316 50 TRS 3 BG **2566.2** 316 100	AP 1.5-4 BG **2738.2** 278 50 TW 1.5-4 BG **2071.2** 316 50 TRS 3 BG **2566.2** 316 100	
	Q 2 **2422.0** 288 20 Q 3 **2423.0** 288 20 Q 4 **2424.0** 288 10 Q 10 **2425.0** 288 10 ES 35 BG **2005.2** 274 50	Q 2 **2087.0** 289 20 Q 3 **2088.0** 289 20 Q 4 **2089.0** 288 10 Q 10 **2090.0** 289 10 ES 35 BG **2005.2** 274 50	Q 2 **2087.0** 289 20 Q 3 **2088.0** 289 20 Q 4 **2089.0** 288 10 Q 10 **2090.0** 289 10 ES 35 BG **2005.2** 274 50 PS 2,3 **2007.0** 317 20	
SDB 0.6x3.5 **1086.0** 422 1 PMC SB 6/50 WH **4702.7** 340 500	SDB 0.5x3,0 **1085.0** 422 1 PMC SB 5/50 WH **4600.7** 339 500	SDB 0,6x3,0 **1086.0** 422 1 PMC SB 6/50 WH **4702.7** 340 500	SDB 0,6x3,0 **1086.0** 422 1 PMC SB 6/50 WH **4702.7** 340 500	SDB 0.5x3,0 **1085.0** 422 1 PMC SB 6/50 WH **4702.7** 340 500

Feed-through terminals RK | Protective earth terminals SL

Screw connection system	RK 2.5	RK 2.5/35/N/2 Q	SL 2.5/35
	M 2.5	M 2.5	M 2.5

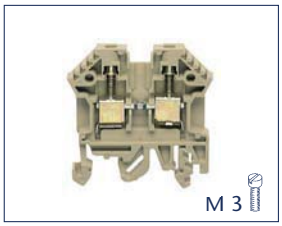
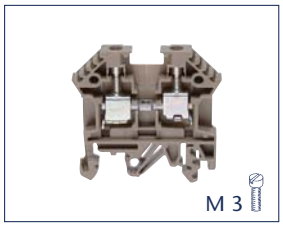
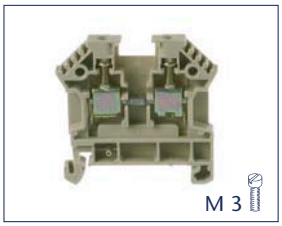
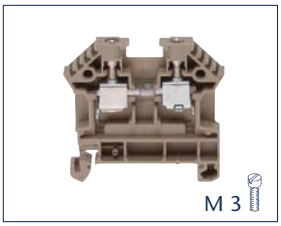
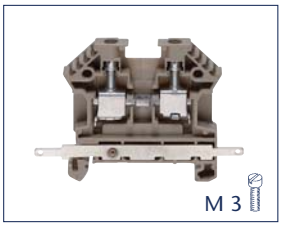
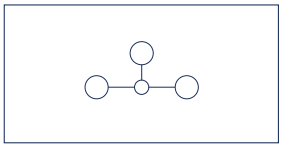
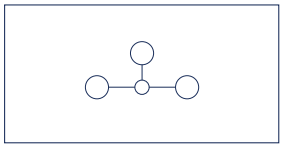
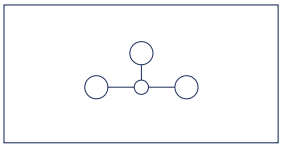
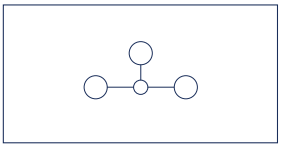
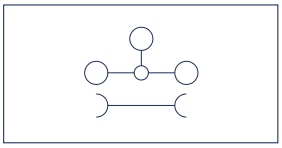
- Foot can be snapped on TS 32 and TS 35 DIN rails
- Housing made from polyamide 6.6 UL 94-V2

Connection diagram			
			
	Feed-through terminal 2 connections	Feed-through terminal 2 connections	Protective earth terminal 2 connections

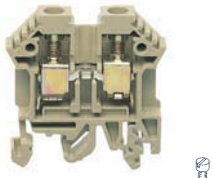
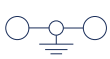
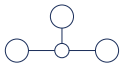
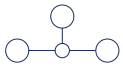
Connection type	Screw connection	Screw connection	Screw connection
Size (L x W x H) mm with TS 32 mm	48 x 5 x 51.5		
Size (L x W x H) mm with TS 35 x 7.5 mm	48 x 5 x 47	48 x 5,1 x 47	52 x 6 x 47
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	RK 2.5 BG	RK 2.5/35/N/2Q BG	SL 2.5/35 GNYE
Cat. no.	**1296.2** 100	**1574.2** 100	**1056.2** 100
Type colour	RK 2.5 BU	RK 2.5/35/N/2Q BU	
Cat. no.	**1296.5** 100	**1574.5** 100	
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available	(2) (5) (3) (1) (4) (6) (7) (8) (9)	(2) (5) (3) (1) (4) (6) (7) (8) (9)	(2)
Rated specifications acc. to	**IEC UL cUL**	**IEC CSAus CSA**	**IEC UL cUL**
Rated voltage, V	800 600 600	800 600 600	
Rated current, A	24 20 20	24 20 20	
Rated wire cross-section, mm² | AWG	2.5 | 22-12	2.5 | 20-14	2.5 | 22-12
Rated impulse voltage, kV | Contamination degree	8 | 3	8 | 3	12 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V2	A3 | V2	A3 | V2
Connection data			
Single wire (solid) / Stranded mm²	0.2-4 | -	0.2-4 | -	0.2-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5
Contact wire range, mm²	0.2-4	0.2-4	0.2-4
Stripping length, mm	7	9	10
Torque, Nm | Screw	0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5
Special connection, mm			
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels |Test pick-off	1 | 1	2 | 1	1 | 1

Accessories		Page	Qty.		Page	Qty.		Page	Qty.
End plate AP									
Cat. no.	AP 2.5-10 BG **2001.2**	278	50	AP 2.5-10 BG **2001.2**	278	50			
Partition plate TW									
Cat. no.	TW 2.5-10 BG **2002.2**	316	50	TW 2.5-10 BG **2002.2**	316	50			
Insulation plate TRS									
Cat. no.	TRS 3 BG **2566.2**	316	100						
Cross-connector Q / Insulated cross-connector ZQI									
Cat. no. 2 poles	Q 2 **2567.0**	288	50	ZQI 2.5/2 YE **3710.8**	308	50			
Insulated cross-connector QI/ZQI									
Cat. no.				ZQI 2.5/3 YE **3711.8**	308	50			
Cross-connector Q / Insulated cross-connector ZQI									
Cat. no. 3 poles	Q 3 **2568.0**	288	50	ZQI 2.5/4 YE **3712.8**	308	20			
Insulated cross-connector QI/ZQI									
Cat. no.				ZQI 2.5/5 YE **3713.8**	308	20			
Cross-connector Q / Insulated cross-connector ZQI									
Cat. no. 4 poles	Q 4 **2569.0**	288	20	ZQI 2.5/6 YE **3714.8**	308	20			
Insulated cross-connector QI/ZQI									
Cat. no.				ZQI 2.5/7 YE **3715.8**	308	20			
Cross-connector Q / Insulated cross-connector ZQI									
Cat. no. 10 poles	Q 10 **2570.0**	288	10	ZQI 2.5/8 YE **3716.8**	308	10			
Insulated cross-connector QI/ZQI									
Cat. no.				ZQI 2.5/9 YE **3717.8**	308	10			
Cross-connector Q / Insulated cross-connector ZQI									
Cat. no.				ZQI 2.5/10 YE **3718.8**	308	10			
End stop ES									
Cat. no.	ES 35/K/ST BG **2828.0**	274	50	ES 35/K/ST BG **2828.0**	274	50			
Test adapter TA									
Cat. no.	TA 5/1/ST **2812.0**	318	10	TA 5/1N/Q **2811.0**	318	10			
Screwdriver SDB									
Cat. no.	SDB 0.5x3,0 **1085.0**	422	1	SDB 0.5x3,0 **1085.0**	422	1	SDB 0.5x3,0 **1085.0**	422	1
Quick marking PMC SB									
Cat. no.	PMC SB 5/50 WH **4600.7**	339	500	PMC SB 5/50 WH **4600.7**	339	500	PMC SB 6/50 WH **4702.7**	340	500

More accessories starting on page 264.

RK 2.5-4	RK 2.5-4 .../STB	RK 2.5-4/35	RK 2.5-4/35 STB	RK 2.5-4/35 .../SAS
				
				
Feed-through terminal 2 connections	Feed-through terminal 2 connections	Feed-through terminal 2 connections	Feed-through terminal 2 connections	Feed-through terminal 2 connections with additional screen connection
Screw connection	**Screw connection**	**Screw connection**	**Screw connection**	**Screw connection**
48 x 6 x 51.5	48 x 6 x 51.5			
48 x 6 x 47	48 x 6 x 47	48 x 6 x 47	48 x 6 x 47	62.5 x 6 x 47
Qty.	**Qty.**	**Qty.**	**Qty.**	**Qty.**
RK 2.5-4 BG **1001.2** 100	RK 2.5-4/STB BG **1008.2** 100	RK 2.5-4/35 BG **1577.2** 100	RK 2.5-4/35 STB BG **17049.2** 100	RK 2.5-4/35/SAS BG **1167.2** 100
RK 2.5-4 BU **1001.5** 100	RK 2.5-4/STB BU **1008.5** 100	RK 2.5-4/35 BU **1577.5** 100	RK 2.5-4/35 STB BU **17049.5** 100	
.2 .5 .3 .1 .4 .6 .7 .8 .9	.2 .5	.2 .5 .3 .1 .4 .6 .7 .8 .9	.2 .5	.2 .3
IEC 800 32	**IEC** 800 32	**IEC** 800 32	**IEC** 800 32	**IEC** 400 32
UL 600 40	**UL** 600 40	**UL** 600 40	**UL** 600 40	
CSA 600 40	**CSA** 600 40	**CSA** 600 40	**CSA** 600 40	
4 | 22-11	4 | 22-11	4 | 22-11	4 | 22-11	4 | 22-11
8 | 3	8 | 3	8 | 3	8 | 3	8 | 3
A4 | V2	A4 | V2	A4 | V2	A4 | V2	A4 | V2
0.2-6 | -	0.2-6 | -	0.2-6 | -	0.2-6 | -	0.2-6 | -
0.2-6 | 0.2-4	0.2-6 | 0.2-4	0.2-6 | 0.2-4	0.2-6 | 0.2-4	0.2-6 | 0.2-4
0.2-6	0.2-6	0.2-6	0.2-6	0.2-6
12	12	12	12	12
0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3
	PS 2,3			Fast-on 2.8
PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
1 | 1	1 | 3	1 | 1	1 | 3	1 | 1
Page **Qty.**	**Page** **Qty.**	**Page** **Qty.**	**Page** **Qty.**	**Page** **Qty.**
AP 2.5-10 BG **2001.2** 278 50	AP 2.5-10 BG **2001.2** 278 50	AP 2.5-10 BG **2001.2** 278 50	AP 2.5-10 BG **2001.2** 278 50	AP 2.5-10 BG **2001.2** 278 50
TW 2.5-10 BG **2002.2** 316 50	TW 2.5-10 BG **2002.2** 316 50	TW 2.5-10 BG **2002.2** 316 50	TW 2.5-10 BG **2002.2** 316 50	TW 2.5-10 BG **2002.2** 316 50
TRS 1 BG **2003.2** 316 100	TRS 1 BG **2003.2** 316 100	TRS 1 BG **2003.2** 316 100	TRS 1 BG **2003.2** 316 100	TRS 1 BG **2003.2** 316 100
Q 2 **2019.0** 289 50	Q 2 **2019.0** 289 50	Q 2 **2019.0** 289 50	Q 2 **2019.0** 289 50	Q 2 **2019.0** 289 50
QI 2 YE **2740.2** 289 50	QI 2 YE **2740.2** 289 50	QI 2 YE **2740.2** 289 50	QI 2 YE **2740.2** 289 50	QI 2 YE **2740.2** 289 50
Q 3 **2020.0** 289 50	Q 3 **2020.0** 289 50	Q 3 **2020.0** 289 50	Q 3 **2020.0** 289 50	Q 3 **2020.0** 289 50
QI 3 YE **2741.2** 289 50	QI 3 YE **2741.2** 289 50	QI 3 YE **2741.2** 289 50	QI 3 YE **2741.2** 289 50	QI 3 YE **2741.2** 289 50
Q 4 **2021.0** 289 20	Q 4 **2021.0** 289 20	Q 4 **2021.0** 289 20	Q 4 **2021.0** 289 20	Q 4 **2021.0** 289 20
QI 4 YE **2742.2** 289 20	QI 4 YE **2742.2** 289 20	QI 4 YE **2742.2** 289 20	QI 4 YE **2742.2** 289 20	QI 4 YE **2742.2** 289 20
Q 10 **2022.0** 289 10	Q 10 **2022.0** 289 10	Q 10 **2022.0** 289 10	Q 10 **2022.0** 289 10	Q 10 **2022.0** 289 10
QI 10 YE **2743.2** 289 10	QI 10 YE **2743.2** 289 10	QI 10 YE **2743.2** 289 10	QI 10 YE **2743.2** 289 10	QI 10 YE **2743.2** 289 10
ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50
TA 6/1/ST **2813.0** 319 10	TA 6/1/ST **2813.0** 319 10	TA 6/1/ST **2813.0** 319 10	TA 6/1/ST **2813.0** 319 10	TA 6/1/ST **2813.0** 319 10
SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1
PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500

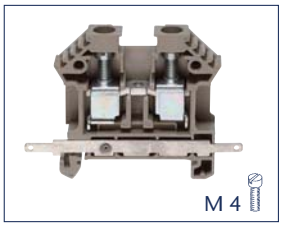
Feed-through terminals RK | Protective earth terminals SL

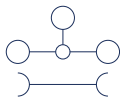
Screw connection system	SL 4/35	RK 6-10	RK 6-10/35
	M 3	 M 4	M 4
• Foot can be snapped on TS 32 and TS 35 DIN rails • Housing made from polyamide 6.6 UL 94-V2			
Connection diagram			
	Protective earth terminal 2 connections	Feed-through terminal 2 connections	Feed-through terminal 2 connections
Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Size (L x W x H) mm with TS 32 mm		48 x 8 x 51.5	
Size (L x W x H) mm with TS 35 x 7.5 mm	56 x 8 x 47	48 x 8 x 47	48 x 8 x 47
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	SL 4/35 GNYE	RK 6-10 BG	RK 6-10/35 BG
Cat. no.	**1212.2** 100	**1005.2** 100	**1578.2** 100
Type colour		RK 6-10 BU	RK 6-10/35 BU
Cat. no.		**1005.5** 100	**1578.5** 100
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available	2	.2 .5 .3 .4 .7 .8 .9	.2 .5 .3 .0 .4 .6 .7 .8 .9
Rated specifications acc. to	**IEC UL cUL**	**IEC UL CSA**	**IEC CSAus CSA**
Rated voltage, V		800 600 600	800 600 600
Rated current, A		57 65 55	57 65 55
Rated wire cross-section, mm² | AWG	4 | 22-11	10 | 22-8	10 | 22-8
Rated impulse voltage, kV | Contamination degree	8 | 3	6 | 3	6 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A4 | V2	A5 | V2	A5 | V2
Connection data			
Single wire (solid) / Stranded mm²	0.2-6 | -	0.2-10 | 0.2-10	0.2-10 | 0.2-10
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-6 | 0.2-4	0.2-10 | 0.2-10	0.2-10 | 0.2-10
Contact wire range, mm²	0.2-6	0.2-10	0.2-10
Stripping length, mm	12	12	12
Torque, Nm | Screw	0.5-1.0 | Slotted M 3	1.2 - 2.0 | Slotted M 4	1.2 - 2.0 | Slotted M 4
Special connection, mm			
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels |Test pick-off	1 | 1	1 | 1	1 | 1

Accessories	**Page**	**Qty.**	**Page**	**Qty.**	**Page**	**Qty.**
End plate AP			AP 2.5-10 BG		AP 2.5-10 BG	
Cat. no.			**2001.2**	278 50	**2001.2**	278 50
Partition plate TW			TW 2.5-10 BG		TW 2.5-10 BG	
Cat. no.			**2002.2**	316 50	**2002.2**	316 50
Insulation plate TRS			TRS 1 BG		TRS 1 BG	
Cat. no.			**2003.2**	316 100	**2003.2**	316 100
Cross-connector Q			Q 2		Q 2	
Cat. no. 2 poles			**2060.0**	289 50	**2060.0**	289 50
Cross-connector Q /Insulated cross-connector QI			QI 2 YE		QI 2 YE	
Cat. no.			**2750.2**	289 50	**2750.2**	289 50
Insulated cross-connection QI			Q 3		Q 3	
Cat. no. 3 poles			**2061.0**	289 50	**2061.0**	289 50
Cross-connector Q			QI 3 YE		QI 3 YE	
Cat. no.			**2751.2**	289 50	**2751.2**	289 50
Insulated cross-connection QI			Q 4		Q 4	
Cat. no. 4 poles			**2062.0**	289 20	**2062.0**	289 20
Cross-connector Q			QI 4 YE		QI 4 YE	
Cat. no.			**2752.2**	289 20	**2752.2**	289 20
Insulated cross-connection QI			Q 10		Q 10	
Cat. no. 10 poles			**2063.0**	289 10	**2063.0**	289 10
Cross-connector Q			QI 10 YE		QI 10 YE	
Cat. no.			**2753.2**	289 10	**2753.2**	289 10
End stop ES			ES 35/K/ST BG		ES 35/K/ST BG	
Cat. no.			**2828.0**	274 50	**2828.0**	274 50
Test adapter TA			TA 8/1/ST		TA 8/1/ST	
Cat. no.			**2817.0**	319 10	**2817.0**	319 10
Screwdriver SDB	SDB 0.6x3.5		SDB 0,8x4,0		SDB 0,8x4,0	
Cat. no.	**1086.0**	422 1	**1087.0**	422 1	**1087.0**	422 1
Quick marking PMC SB	PMC SB 6/50 WH		PMC SB 8/40 WH		PMC SB 8/40 WH	
Cat. no.	**4702.7**	340 500	**9323.7**	342 400	**9323.7**	342 400

More accessories starting on page 264.

RK 6-10/35/SAS





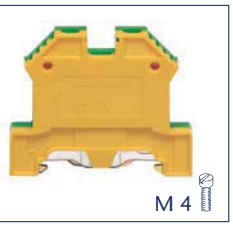
Feed-through terminal2 connections with additional screen connection

Screw connection

48 x 8 x 47

	Qty.
RK 6-10/35/SAS BG **1168.2**	100

SL 10/35



Protective earth terminal 2 connections

Screw connection

56 x 10 x 47

	Qty.
SL 10/35 GNYE **1213.2**	80

(2) (3)

IEC
320
57
10 | 22-8
6 | 3
A5 | V2
0.2-10 | 0.2-10
0.2-10 | 0.2-10
0.2-10
12
1.2-2.0 | Slotted M 4
Fast-on 2.8
PA 6.6 | -40 to +105°C
1 | 1

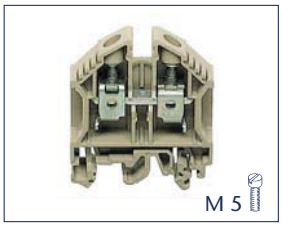
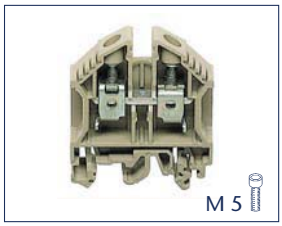
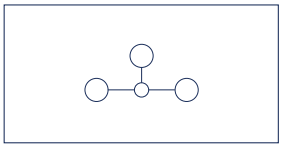
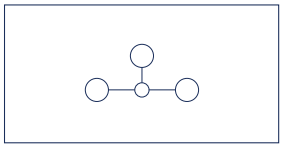
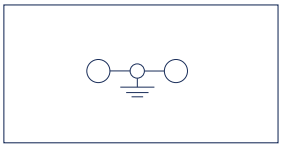
	Page	Qty.
AP 2.5-10 BG **2001.2**	278	50
TW 2.5-10 BG **2002.2**	316	50
TRS 1 BG **2003.2**	316	100
Q 2 **2060.0**	289	50
QI 2 YE **2750.2**	289	50
Q 3 **2061.0**	289	50
QI 3 YE **2751.2**	289	50
Q 4 **2062.0**	289	20
QI 4 YE **2752.2**	289	20
Q 10 **2063.0**	289	10
QI 10 YE **2753.2**	289	10
ES 35/K/ST BG **2828.0**	274	50
TA 8/1/ST **2817.0**	319	10
SDB 0,8x4,0 **1086.0**	422	1
PMC SB 8/40 WH **9323.7**	342	400

(2)

IEC	UL	cUL
10 | 20-6		
8 | 3		
A5 | V2		
0.2-10 | 0.2-10		
0.2-10 | 0.2-10		
0.2-10		
12		
1.2-2.0 |Slotted M4		
PA 6.6 | -40 to +105°C		
1 | 1		

	Page	Qty.
SDB 0,8x4,0 **1087.0**	422	1
PMC SB 8/40 WH **9323.7**	342	400

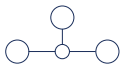
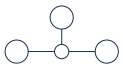
Feed-through terminals RK | Protective earth terminals SL

Screw connection system	RK 16	RK 16/IS	SL 16/35
			
• Foot can be snapped on TS 32 and TS 35 DIN rails • Housing made from polyamide 6.6 UL 94-V2			
Connection diagram			
	Feed-through terminal 2 connections	Feed-through terminal 2 connections	Protective earth terminal 2 connections

Connection type	Screw connection	Screw connection	Screw connection
Size (L x W x H) mm with TS 32 mm	50 x 12 x 63	50 x 12 x 63	
Size (L x W x H) mm with TS 35 x 7.5 mm	50 x 12 x 58.5	50 x 12 x 58.5	50 x 12 x 58.5
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	RK 16 BG	RK 16/IS BG	SL 16/35 GNYE
Cat. no.	**1050.2** 50	**1492.2** 50	**1197.2** 50
Type colour	RK 16 BU	RK 16/IS BU	SL 16/35/IS GNYE
Cat. no.	**1050.5** 50	**1492.5** 50	**1535.2** 50
Type colour	RK 16/Z BG[5]	RK 16/Z/IS BG[5]	
Cat. no.	**1162.2** 50	**1493.2** 50	
Type colour	RK 16/Z BU[5]	RK 16/Z/IS BU[5]	
Cat. no.	**1162.5** 50	**1493.5** 50	
Type/colour			
Cat. no.			
Colours available	.2 .5 .3 .1 .4 .6 .7 .8 .9	.2 .5 .3 .1 .4 .6 .7 .8 .9	.2
Rated specifications acc. to	**IEC UL CSA**	**IEC UL CSA**	**IEC UL CSA**
Rated voltage, V	800 600 600	800 600 600	
Rated current, A	76 65 85	76 65 85	
Rated wire cross-section, mm² | AWG	16 | 10-6	16 | 10-6	16 | 10-4
Rated impulse voltage, kV | Contamination degree	8 | 3	8 | 3	12 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	B7 | V2	B7 | V2	B7 | V2
Connection data			
Single wire (solid) / Stranded mm²	2.5-25 | 2.5-25	2.5-25 | 2.5-25	2.5-25 | 2.5-25
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	2.5-16 | 2.5-16	2.5-16 | 2.5-16	2.5-16 | 2.5-16
Contact wire range, mm²	2.5-25	2.5-25	2.5-25
Stripping length, mm	15	15	15
Torque, Nm | Screw	2.0-4.0 | Slotted M 5	2.0-4.0 | Hexagon socket M 5	2.0-4.0 | Slotted M 5
Special connection, mm			
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels |Test pick-off	1 | -	1 | -	1 | -
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
End plate AP	AP 16 BG	AP 16 BG	
Cat. no.	**2104.2** 278 50	**2104.2** 278 50	
Partition plate TW	TW 16 BG	TW 16 BG	
Cat. no.	**2105.2** 316 50	**2105.2** 316 50	
Cross-connector Q 2 poles	Q 2	Q 2	
Cat. no.	**2112.0** 290 20	**2112.0** 290 20	
Cross-connector Q /Insulated cross-connector QI			
Cat. no.			
Cross-connector Q 3 poles	Q 3	Q 3	
Cat. no.	**2113.0** 290 20	**2113.0** 290 20	
Cross-connector Q /Insulated cross-connector QI			
Cat. no.			
Cross-connector Q 4 poles	Q 4	Q 4	
Cat. no.	**2114.0** 290 10	**2114.0** 290 10	
Cross-connector Q /Insulated cross-connector QI			
Cat. no.			
Cross-connector Q 10 poles	Q 10	Q 10	
Cat. no.	**2115.0** 290 10	**2115.0** 290 10	
End stop ES	ES 35/K/ST BG	ES 35/K/ST BG	
Cat. no.	**2828.0** 274 50	**2828.0** 274 50	
Screwdriver SDB	SDB 0,8x4,0	SDB 0,8x4,0	SDB 0,8x4,0
Cat. no.	**1087.0** 422 1	**1087.0** 422 1	**1087.0** 422 1
Quick marking PMC SB	PMC SB 6/50 WH	PMC SB 6/50 WH	PMC SB 6/50 WH
Cat. no.	**4702.7** 340 500	**4702.7** 340 500	**4702.7** 340 500

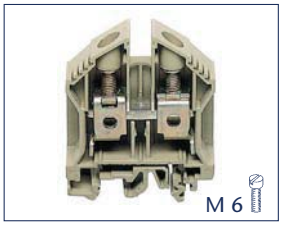
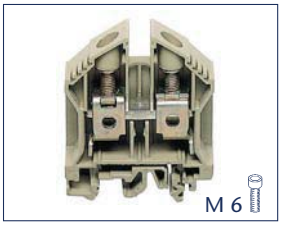
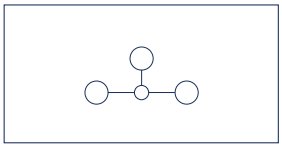
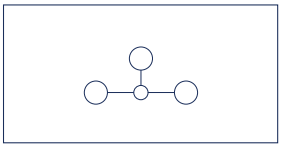
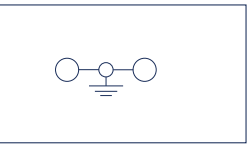
More accessories starting on page 264.

5) with housing pegs

RK 16/35 N	RK 16/35 N/IS	SL 16/35 N		
M 5	M 5	M 5		
				
Feed-through terminal 2 connections	Feed-through terminal 2 connections	Protective earth terminal 2 connections		
Screw connection	**Screw connection**	**Screw connection**		
54 x 12 x 47	54 x 12 x 47	50 x 12 x 53		
Qty.	**Qty.**	**Qty.**		
RK 16/35/N BG **1511.2** 50	RK 16/35/N/IS BG **1531.2** 50	SL 16/35/N GNYE **1533.2** 50		
RK 16/35/N BU **1511.5** 50	RK 16/35/N/IS BU **1531.5** 50			
RK 16/35/N/Z BG[5] **1513.2** 50	RK 16/35/N/Z-IS BG[5] **1532.2** 50	SL 16/35/N/IS GNYE **1536.2** 50		
RK 16/35/N/Z BU[5] **1513.5** 50	RK 16/35/N/Z-IS BU[5] **1532.5** 50			
.2 .5 .4 .6 .7 .8 .9	.2 .5 .4 .6 .7 .8 .9	.2		
IEC **CSAus** **CSA**	**IEC** **CSAus** **CSA**	**IEC** **CSAus** **CSA**		
800 600 600	800 600 600			
76 65 85	76 65 85			
16 | 10-6	16 | 10-6	16 | 10-4		
8 | 3	8 | 3	12 | 3		
B7 | V2	B7 | V2	B7 | V2		
2.5-25 | 2.5-25	2.5-25 | 2.5-25	2.5-25 | 2.5-25		
2.5-16 | 2.5-16	2.5-16 | 2.5-16	2.5-16 | 2.5-16		
2.5-25	2.5-25	2.5-25		
15	15	15		
2.0-4.0 | Slotted M 5	2.0-4.0 | Hexagon socket M 5	2.0-4.0 | Slotted M 5		
PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C		
1 | -	1 | -	1 | -		
Page **Qty.**	**Page** **Qty.**	**Page** **Qty.**		
Q 2 **2257.0** 290 20	Q 2 **2257.0** 290 20			
Q 3 **2258.0** 290 20	Q 3 **2258.0** 290 20			
Q 4 **2265.0** 290 10	Q 4 **2265.0** 290 10			
Q 10 **2266.0** 290 10	Q 10 **2266.0** 290 10			
ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50			
SDB 0,8x4,0 **1087.0** 422 1	SDB 0,8x4,0 **1087.0** 422 1	SDB 0,8x4,0 **1087.0** 422 1		
PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500		

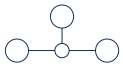
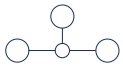
5) with housing pegs

Feed-through terminals RK | Protective earth terminals SL

Screw connection system	RK 35	RK 35/IS	SL 35/35
			
• Foot can be snapped on TS 32 and TS 35 DIN rails • Housing made from polyamide 6.6 UL 94-V2			
Connection diagram			
	Feed-through terminal 2 connections	Feed-through terminal 2 connections	Protective earth terminal 2 connections

Connection type	Screw connection	Screw connection	Screw connection
Size (L x W x H) mm with TS 32 mm	58 x 16 x 76	58 x 16 x 76	
Size (L x W x H) mm with TS 35 x 7.5 mm	58 x 16 x 71.5	58 x 16 x 71.5	58 x 16 x 71.5
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	RK 35 BG	RK 35/IS BG	SL 35/35 GNYE
Cat. no.	**1052.2** 20	**1494.2** 20	**1199.2** 20
Type colour	RK 35 BU	RK 35/IS BU	
Cat. no.	**1052.5** 20	**1494.5** 20	
Type colour			SL 35/35/IS GNYE
Cat. no.			**1537.2** 20
Type colour			
Cat. no.			
Colours available	.2 .5 .3 .0 .4 .6 .7 .8 .9	.2 .5 .3 .0 .4 .6 .7 .8 .9	.2
Rated specifications acc. to	**IEC UL CSA**	**IEC UL CSA**	**IEC CSAus CSA**
Rated voltage, V	800 600 600	800 600 600	
Rated current, A	125 110 115	125 110 115	
Rated wire cross-section, mm² | AWG	35 | 12-2	35 | 12-2	35 | 12-2
Rated impulse voltage, kV | Contamination degree	8 | 3	8 | 3	8 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	B9 | V2	B9 | V2	B9 | V2
Connection data			
Single wire (solid) / Stranded mm²	2.5-50 | 2.5-50	2.5-50 | 2.5-50	2.5-50 | 2.5-50
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	2.5-35 | 2.5-35	2.5-35 | 2.5-35	2.5-35 | 2.5-35
Contact wire range, mm²	2.5-50	2.5-50	2.5-50
Stripping length, mm	20	20	20
Torque, Nm | Screw	2.5-5.0 | Slotted M6	2.5-5.0 |Hexagon socket M 6	2.5-5.0|Slotted M6
Special connection, mm			
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels |Test pick-off	1 | -	1 | -	1 | -
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
End plate AP	AP 35 BG	AP 35 BG	
Cat. no.	**2116.2** 278 20	**2116.2** 278 20	
Partition plate TW	TW 35 BG	TW 35 BG	
Cat. no.	**2117.2** 316 20	**2117.2** 316 20	
Cross-connector Q	Q 2	Q 2	
Cat. no. 2 poles	**2164.0** 290 20	**2164.0** 290 20	
Cross-connector Q /Insulated cross-connector QI			
Cat. no.			
Cross-connector Q	Q 3	Q 3	
Cat. no. 3 poles	**2165.0** 290 20	**2165.0** 290 20	
Cross-connector Q /Insulated cross-connector QI			
Cat. no.			
Cross-connector Q	Q 4	Q 4	
Cat. no. 4 poles	**2166.0** 290 10	**2166.0** 290 10	
Cross-connector Q /Insulated cross-connector QI			
Cat. no.			
Cross-connector Q	Q 10	Q 10	
Cat. no. 10 poles	**2167.0** 290 10	**2167.0** 290 10	
End stop ES	ES 35/K/ST BG	ES 35/K/ST BG	
Cat. no.	**2828.0** 274 50	**2828.0** 274 50	
Test adapter TA			
Cat. no.			
Screwdriver SDB	SDB 1.2x6.5	SDB 1.2x6.5	SDB 1.2x6.5
Cat. no.	**1088.0** 422 1	**1088.0** 422 1	**1088.0** 422 1
Quick marking PMC SB	PMC SB 6/50 WH	PMC SB 6/50 WH	PMC SB 6/50 WH
Cat. no.	**4702.7** 340 500	**4702.7** 340 500	**4702.7** 340 500

More accessories starting on page 264.

RK 35/35 N	RK 35/35 N/IS	SL 35/35 N		
M 6	M 6	M 6		
				
Feed-through terminal 2 connections	Feed-through terminal 2 connections	Protective earth terminal 2 connections		
Screw connection	**Screw connection**	**Screw connection**		
58 x 16 x 52	58 x 16 x 52	58 x 16 x 63		
Qty.	**Qty.**	**Qty.**		
RK 35/35/N BG **1512.2** 20	RK 35/35/N/IS BG **1515.2** 20	SL 35/35 N GNYE **1534.2** 20		
RK 35/35/N BU **1512.5** 20	RK 35/35/N/IS BU **1515.5** 20			
RK 35/35/N/Z BG[5] **1514.2** 20	RK 35/35/N/Z/IS BG[5] **2719.2** 20	SL 35/35 N/IS GNYE **1538.2** 20		
RK 35/35/N/Z BU[5] **1514.5** 20	RK 35/35/N/Z/IS BU[5] **2719.5** 20			
.2 .5 .4 .6 .7 .9	.2 .5	.2		
IEC **CSAus** **CSA**	**IEC** **CSAus** **CSA**	**IEC** **CSAus** **CSA**		
800 600 600	800 600 600			
125 110 115	125 110 115			
35 | 12-2	35 | 12-2	35 | 12-2		
8 | 3	8 | 3	8 | 3		
B9 | V2	B9 | V2	B9 | V2		
2.5-50 | 2.5-50	2.5-50 | 2.5-50	2.5-50 | 2.5-50		
2.5-35 | 2.5-35	2.5-35 | 2.5-35	2.5-35 | 2.5-35		
2.5-50	2.5-50	2.5-50		
20	20	20		
2.5-5.0|Slotted M6	2.5-5.0 |Hexagon socket M 6	2.5-5.0|Slotted M6		
PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C		
1 | -	1 | -	1 | -		
Page **Qty.**	**Page** **Qty.**	**Page** **Qty.**		
Q 2 **2164.0** 290 20	Q 2 **2164.0** 290 20			
Q 3 **2165.0** 290 20	Q 3 **2165.0** 290 20			
Q 4 **2166.0** 290 10	Q 4 **2166.0** 290 10			
Q 10 **2167.0** 290 10	Q 10 **2167.0** 290 10			
ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50			
SDB 1.2x6.5 **1088.0** 422 1	SDB 1.2x6.5 **1088.0** 422 1	SDB 1.2x6.5 **1088.0** 422 1		
PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500		

5) with housing pegs

Feed-through terminals RK | Measurement pick-off terminals MAG

The **RK 50**, **RK 95**, **RK 150** and **RK 240** terminal blocks are made of a double-layer insulation housing. The specialized construction of the clamping yoke minimizes the contact resistance between the wire and the busbar. The clamp is tightened using a hex-socket screw which creates the required torque together with the clamping yoke. Pegs are located on the plastic housings of the terminal blocks; these lock to adjacent terminals to increase the mechanical stability. A threaded **M 2.5** bolt can be attached to the injection-moulded pegs in order to further increase the mechanical stability. A diverse line of accessories offers a practical supplement to these products.

Feed-through terminals RK | Measurement pick-off terminals MAG

The features in detail

Measurement pick-off terminal MAG

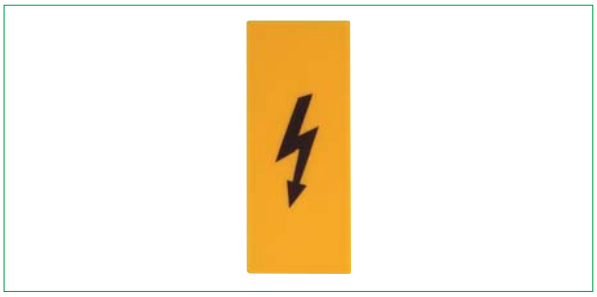
The **MAG** measurement pick-off terminals allow you to tap into the voltage on the **RK 50**, **RK 95**, **RK 150** and **RK 240** terminal blocks when using wires with small cross-sections ranging from 0.2 to 10 mm². A special socket slot in the **RK 50** to **RK 240** terminal blocks enables the **MAG** supplemental connections to be added retroactively. They can be independently snapped on to the base housing of the terminal blocks. **MAG** terminals are individually snapped into the housing of the main terminal above the wire entry. The electrical contact is then established using the connection screw on the main-wire terminal of the busbar. This technical solution is safe, clever, and simplifies the wiring significantly. The rated voltage is 1000 V because of the total insulation provided by the pick-off terminal. The **PMC** quick marking system can be used for labelling the terminals.

Inlay plate EP

When connecting to rectangular conductors, you are required to attach an inlay plate in the clamping yoke. The **EP** inlay plates correct the V-shaped form of the clamping yoke to increase the contact area to a maximum on both sides of the conductor.

Individual covers AD

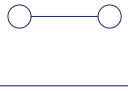
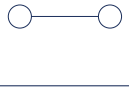
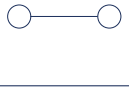
VDE regulations require that the mains terminals be covered. The yellow **AD** covers are marked with a lightning bolt symbol and are snapped on from above. They cover the screw heads on the terminal block so that the clamping point can not be reached while under live voltage.



External insulated cross-connection AQI

The **RK 50-**, **RK 95-**, **RK 150**- and **RK 240** can be connected electrically to each other within the same rated cross-section range by using 2-pole or 3-pole external cross-connectors. The external cross-connectors are designed to match the rated current of the corresponding terminal block.

Feed-through terminals RK | Measurement pick-off terminals MAG

Screw connection system	RK 50	RK 95	RK 150
	M 6	M 8	M 10
• Foot can be snapped on TS 32 and TS 35 DIN rails • Housing made from polyamide 6.6 UL 94-V2			
Connection diagram			
	Feed-through terminal 2 connections	Feed-through terminal 2 connections	Feed-through terminal 2 connections

Connection type	Screw connection	Screw connection	Screw connection
Size (L x W x H) mm with TS 32 mm	79 x 20 x 82	84 x 25 x 94	93 x 31 x 118.5
Size (L x W x H) mm with TS 35 x 7.5 mm	79 x 20 x 76.5	84 x 25 x 88.5	93 x 31 x 112.8
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	RK 50 BG	RK 95 BG	RK 150 BG
Cat. no.	**1120.2** 10	**1122.2** 10	**1124.2** 5
Type colour	RK 50 BU	RK 95 BU	RK 150 BU
Cat. no.	**1120.5** 10	**1122.5** 10	**1124.5** 5
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available	.2 .5 .4 .6	.2 .5 .4 .6	.2 .5 .4 .6
Rated specifications acc. to	**IEC UL CSA**	**IEC UL CSA**	**IEC UL CSA**
Rated voltage, V	1000 600 600	1000 600 600	1000 600 600
Rated current, A	150 150 150	232 230 230	309 275 275
Rated wire cross-section, mm² | AWG	50 | 4/0-2	95 | 4/0-2	150 | 300-2
Rated impulse voltage, kV | Contamination degree	8 | 3	8 | 3	8 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	B10 | V2	B12 | V2	B14 | V2
Connection data			
Single wire (solid) / Stranded mm²	16-50 | 25-50	25-95 | 35-95	35-150 | 50-150
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	25-50 | 25-50	35-95 | 35-95	50-150 | 50-150
Contact wire range, mm²	16-50	25-95	35-150
Stripping length, mm	27	30	38
Torque, Nm | Screw	3-6 | Hexagon socket M6	6-12 | Hexagon socket M8	10-20 | Hexagon socket M10
Banded wire up to mm	11.8 x 5	16 x 6	20 x 8
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels |Test pick-off	- | -	- | -	- | -
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Insulated cross-connector AQI, 2-pole	AQI 2/50 YE	AQI 2/95 YE	AQI 2/150 YE
Cat. no.	**2763.2** 293 5	**2765.2** 294 5	**2767.2** 294 5
Insulated cross-connector AQU, 3-pole	AQI 3/50 YE	AQI 3/95 YE	AQI 3/150 YE
Cat. no.	**2764.2** 293 5	**2766.2** 294 5	**2768.2** 294 5
Cover AD	AD 1/50/B YE	AD 1/95/B YE	AD 1/150/B YE
Cat. no.	**2810.0** 311 10	**2804.0** 311 10	**2806.0** 311 10
Inlay profile EP	EP 50	EP 95	EP 150
Cat. no.	**2274.0** 41 10	**2275.0** 41 10	**2277.0** 41 10
Measurement pick-off terminal MAG	MAG 50 BG	MAG 95 BG	MAG 150/240 BG
Cat. no.	**1121.2** 41 10	**1123.2** 41 10	**1125.2** 41 10
End stop ES	ES 35/K/ST BG	ES 35/K/ST BG	ES 35/K/ST BG
Cat. no.	**2828.0** 274 50	**2828.0** 274 50	**2828.0** 274 50
Test adapter TA			
Cat. no.			
Allen key socket wrench ISKS	ISKS 5	ISKS 6	ISKS 8
Cat. no.	**2818.0** 422 1	**2772.0** 422 1	**2773.0** 422 1
Screwdriver SDB			
Cat. no.			
Quick marking PMC SB	PMC SB 6/50 WH	PMC SB 6/50 WH	PMC SB 6/50 WH
Cat. no.	**4702.7** 340 500	**4702.7** 340 500	**4702.7** 340 500

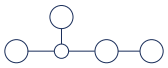
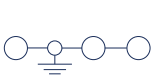
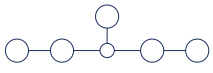
More accessories starting on page 264.

RK 240	MAG 50	MAG 95	MAG 150/240	EP
M 10	M 4	M 4	M 4	
Feed-through terminal 2 connections	Pick-off terminal 1 connection	Pick-off terminal 1 connection	Pick-off terminal 1 connection	Inlay plate
Screw connection	**Screw connection**	**Screw connection**	**Screw connection**	**Screw connection**
93 x 36 x 132				
93 x 36 x 126.3				
Qty.	**Qty.**	**Qty.**	**Qty.**	**Qty.**
RK 240 BG **1126.2** 5	MAG 50 BG **1121.2** 10	MAG 95 BG **1123.2** 10	MAG 150/240 BG **1125.2** 10	EP 50 **2274.0** 10
RK 240 BU **1126.5** 5				EP 95 **2275.0** 10
				EP 150 **2277.0** 10
				EP 240 **2360.0** 10
.2 .5 .4 .6				
IEC **UL** **CSA**	**IEC**	**IEC**	**IEC**	
1000 600 600	1000	1000	1000	
380 370 370	57	57	57	
240 | 500-2/0	10 | 22-8	10 | 22-8	10 | 22-8	
8 | 3	6 | 3	6|3	6|3	
B16 | V2	A5 | V2	A5 | V2	A5 | V2	
70-240 | 70-240	0.2-10 | 0.2-10	0.2-10 | 0.2-10	0.2-10 | 0.2-10	
70-240 | 70-185	0.2-10 | 0.2-10	0.2-10 | 0.2-10	0.2-10 | 0.2-10	
70-240	0.2-10	0.2-10	0.2-10	
38	12	12	12	
10-20| Hexagon socket M10	1.2-2.0 | Slotted M4	1.2-2.0 | Slotted M4	1.2-2.0 | Slotted M4	
20 x 12				
PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	
- | -	- | -	- | -	- | -	
Page Qty.	**Page Qty.**	**Page Qty.**	**Page Qty.**	
AQI 2/240 YE **2769.2** 294 5				
AQI 3/240 YE **2770.2** 294 5				
AD 1/240/B YE **2808.0** 311 10				
EP 240 **2360.0** 41 10				
MAG 150/240 BG **1125.2** 41 10				
ES 35/K/ST BG **2828.0** 274 50				
ISKS 8 **2773.0** 422 1				
	SDB 0,8x4,0 **1087.0** 422 1	SDB 0,8x4,0 **1087.0** 422 1	SDB 0,8x4,0 **1087.0** 422 1	
PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	

Feed-through terminals RK | Protective earth terminals SL

Screw connection system	RK 2.5-4 ZR	SL 2.5/35 ZR	RK 2.5-4 ZRL
	M 3	M 3	M 3

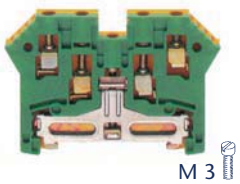
- Foot can be snapped on TS 32 and TS 35 DIN rails
- Housing made from polyamide 6.6 UL 94-V2

Connection diagram			
			
	Feed-through terminal 3 connections	Protective earth terminal 3 connections	Feed-through terminal 4 connections

Connection type	Screw connection			Screw connection		Screw connection		
Size (L x W x H) mm with TS 32 mm	57,5 x 6 x 51.5					67 x 6 x 51.5		
Size (L x W x H) mm with TS 35 x 7.5 mm	57,5 x 6 x 47			62 x 6 x 47		67 x 6 x 47		
Type			**Qty.**		**Qty.**			**Qty.**
Type colour	RK 2.5-4 ZR BG			SL 2.5/35/ZR GNYE		RK 2.5-4/ZRL BG		
Cat. no.	**1210.2**		100	**1060.2**	100	**1211.2**		100
Type colour	RK 2.5-4 ZR BU					RK 2.5-4/ZRL BU		
Cat. no.	**1210.5**		100			**1211.5**		100
Type colour								
Cat. no.								
Type colour								
Cat. no.								
Colours available	(2) (5)			(2)		(2) (5)		
Rated specifications acc. to	**IEC**	**UL**	**cUL**	**IEC**		**IEC**	**UL**	**cUL**
Rated voltage, V	500	600	600			500	600	600
Rated current, A	24	30	30			24	30	30
Rated wire cross-section, mm² | AWG	4 | 22-12			2.5 | 22-12		4 | 22-12		
Rated impulse voltage, kV | Contamination degree	6 | 3			6 | 3		6 | 3		
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A4 | V2			A3 | V2		A4 | V2		
Connection data								
Single wire (solid) / Stranded mm²	0.2-4 | -			0.2-4 | -		0.2-2.5 | -		
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5			0.2-4 | 0.2-2.5		0.2-4 | 0.2-2.5		
Contact wire range, mm²	0.2-4			0.2-4		0.2-2.5		
Stripping length, mm	12			9		9		
Torque, Nm | Screw	0.5-1.0 | Slotted M 3			0.5-1.0 | Slotted M 3		0.5-1.0 | Slotted M 3		
Special connection, mm	-			-		-		
Features								
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C			PA 6.6 | -40 to +105°C		PA 6.6 | -40 to +105°C		
Number of cross-connection channels |Test pick-off	1 | 1			-		1 | 1		
Accessories		**Page**	**Qty.**		**Page**	**Qty.**	**Page**	**Qty.**
End plate AP	AP 2.5-4/R BG			AP 2.5-4/R GN			AP 2.5/RL BG		
Cat. no.	**2574.2**	278	50	**2574.1**	278	20	**2575.2**	278	50
Insulation plate TRS	TRS 1 BG						TRS 1		
Cat. no.	**2003.2**	316	100				**2003.2**	316	100
Cross-connector Q	Q 2						Q 2		
Cat. no.	**2019.0**	289	50				**2019.0**	289	50
Insulated cross-connection QI	QI 2 YE						QI 2 YE		
Cat. no.	**2740.2**	289	50				**2740.2**	289	50
Cross-connector QI	Q 3						Q 3		
Cat. no.	**2020.0**	289	50				**2020.0**	289	50
Cross-connector Q	QI 3 YE						QI 3 YE		
Cat. no.	**2741.2**	289	50				**2741.2**	289	50
Insulated cross-connector Q	Q 4						Q 4		
Cat. no.	**2021.2**	289	20				**2021.2**	289	20
Insulated cross-connection QI	QI 4 YE						QI 4 YE		
Cat. no.	**2742.2**	289	20				**2742.2**	289	20
Insulated cross-connector Q	Q 10						Q 10		
Cat. no.	**2022.0**	289	10				**2022.0**	289	10
Insulated cross-connection QI	QI 10 YE						QI 10 YE		
Cat. no.	**2743.2**	289	10				**2743.2**	289	10
End stop ES	ES 35/K/ST BG						ES 35/K/ST BG		
Cat. no.	**2828.0**	274	50				**2828.0**	274	50
Test adapter TA	TA 6/1/ST						TA 6/1/ST		
Cat. no.	**2813.0**	319	10				**2813.0**	319	10
Screwdriver SDB	SDB 0.6x3.5			SDB 0.5x3,0			SDB 0.6x3.5		
Cat. no.	**1086.0**	422	1	**1085.0**	422	1	**1086.0**	422	1
Quick marking PMC SB	PMC SB 6/50 WH			PMC SB 6/50 WH			PMC SB 6/50 WH		
Cat. no.	**4702.7**	340	500	**4702.7**	340	500	**4702.7**	340	500

More accessories starting on page 264.

SL 2.5/35 ZRL



Protective earth terminal
4 connections

Screw connection

62 x 6 x 47

	Qty.
SL 2.5/35/ZRL GNYE **1062.2**	100

(2)

IEC

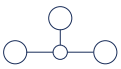
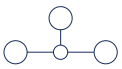
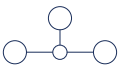
2.5 | 22-12
6 | 3
A3 | V2

0.2-2.5 | -
0.2-2.5 | 0.2-2.5
0.2-2.5
9
0.5-1.0 | Slotted M 3
-

PA 6.6 | -40 to +105°C
-

	Page	Qty.
AP 2.5/RL GN **2575.1**	278	20
SDB 0.5x3,0 **1085.0**	422	1
PMC SB 6/50 WH **4702.7**	340	500

Four-wire motor-connection block VMAB

Screw connection system	VMAB 2.5	VMAB 2.5-4	VMAB 6-10
	M 2.5	M 3	M 4
• Foot can be snapped on TS 35 DIN rail • Housing made from polyamide 6.6 UL 94-V2			
Connection diagram			
	Four-wire motor-connection block 8 connections	Four-wire motor-connection block 8 Connections	Four-wire motor-connection block 8 connections

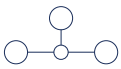
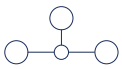
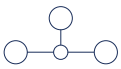
Connection type	Screw connection	Screw connection	Screw connection
Size (L x W x H) mm with TS 32 mm			
Size (L x W x H) mm with TS 35 x 7.5 mm	52 x 23 x 47	56 x 28 x 47	56 x 36 x 47
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	VMAB 2.5	VMAB 2.5-4	VMAB 6-10
Cat. no.	**1520.2** 10	**1521.2** 10	**1522.2** 10
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available			

Rated specifications acc. to	IEC	UL	cUL	IEC	UL	CSA	IEC	UL	CSA
Rated voltage, V	800	600	600	800	600	600	800	600	600
Rated current, A	24	20	20	32	32	32	57	65	65
Rated wire cross-section, mm² | AWG	2.5 | 22-14			4 | 22-10			10 | 22-8		
Rated impulse voltage, kV | Contamination degree	8 | 3			6 | 3			6 | 3		
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V2			A4 | V2			A5 | V2		
Connection data									
Single wire (solid) / Stranded mm²	0.2-4 | -			0.2-6 | -			0.2-10 | 0.2-10		
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5			0.2-6 | 0.2-4			0.2-10 | 0.2-10		
Contact wire range, mm²	0.2-4			0.2-6			0.2-10		
Stripping length, mm	7			12			12		
Torque, Nm | Screw	0.4-0.8 | Slotted M 2.5			0.5-1.0 | Slotted M 3			1.2-2.0 | Slotted M 4		
Special connection, mm	-			-			-		
Features									
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C			PA 6.6 | -40 to +105°C			PA 6.6 | -40 to +105°C		
Number of cross-connection channels |Test pick-off	1 | 3			1 | 3			1 | 3		

Accessories		Page	Qty.		Page	Qty.		Page	Qty.
End plate AP		AP 2.5-10 BG			AP 2.5-10 BG			AP 2.5-10 BG	
Cat. no.		**2001.2**	278 50		**2001.2**	278 50		**2001.2**	278 50
Partition plate TW		TW 2.5-10 BG			TW 2.5-10 BG			TW 2.5-10 BG	
Cat. no.		**2002.2**	316 50		**2002.2**	316 50		**2002.2**	316 50
Insulation plate TRS		TRS 3 BG			TRS 1 BG			TRS 1 BG	
Cat. no.		**2566.2**	316 100		**2003.2**	316 100		**2003.2**	316 100
Cross-connector Q		Q 2			Q 2			Q 2	
Cat. no.	2 poles	**2567.0**	288 50		**2019.0**	289 50		**2060.0**	289 50
Insulated cross-connection QI					QI 2 YE			QI 2 YE	
Cat. no.					**2740.2**	289 50		**2750.2**	289 50
Cross-connector Q		Q 3			Q 3			Q 3	
Cat. no.	3 poles	**2568.0**	288 50		**2020.0**	289 50		**2061.0**	289 50
Insulated cross-connection QI					QI 3 YE			QI 3 YE	
Cat. no.					**2741.2**	289 50		**2751.2**	289 50
Cross-connector Q		Q 4			Q 4			Q 4	
Cat. no.	4 poles	**2569.0**	288 20		**2021.0**	289 20		**2062.0**	289 20
Insulated cross-connection QI					QI 4 YE			QI 4 YE	
Cat. no.					**2742.2**	289 20		**2752.2**	289 20
Cross-connector Q		Q 10			Q 10			Q 10	
Cat. no.	10 poles	**2570.0**	288 10		**2022.0**	289 10		**2063.0**	289 10
Insulated cross-connection QI					QI 10 YE			QI 10 YE	
Cat. no.					**2743.2**	289 10		**2753.2**	289 10
End stop ES		ES 35/K/ST BG			ES 35/K/ST BG			ES 35/K/ST BG	
Cat. no.		**2828.0**	274 50		**2828.0**	274 50		**2828.0**	274 50
Test adapter TA		TA 5/1/ST			TA 6/1/ST			TA 8/1/ST	
Cat. no.		**2812.0**	318 10		**2813.0**	319 10		**2817.0**	319 10
Screwdriver SDB		SDB 0.5x3,0			SDB 0.6x3.5			SDB 0,8x4,0	
Cat. no.		**1085.0**	422 1		**1086.0**	422 1		**1087.0**	422 1
Quick marking PMC SB		PMC SB 5/50 WH			PMC SB 6/50 WH			PMC SB 8/40 WH	
Cat. no.		**4600.7**	339 500		**4702.7**	340 500		**9323.7**	342 400

More accessories starting on page 264.

Five-wire mains-connection block FNAB

Screw connection system	FNAB 2.5	FNAB 2.5-4	FNAB 6-10
	M 2.5	M 3	M 4
• Foot can be snapped on TS 35 DIN rail • Housing made from polyamide 6.6 UL 94-V2			
Connection diagram			
	Five-wire mains-connection block 10 connections	Five-wire mains-connection block 10 connections	Five-wire mains-connection block 10 connections

Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Size (L x W x H) mm with TS 32 mm			
Size (L x W x H) mm with TS 35 x 7.5 mm	52 x 28 x 47	56 x 34 x 47	55 x 36 x 47
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	FNAB 2.5	FNAB 2.5-4	FNAB 6-10
Cat. no.	**1523.2** 10	**1524.2** 10	**1525.2** 10
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available			
Ratings	**IEC UL cUL**	**IEC UL CSA**	**IEC UL CSA**
Rated voltage, V	800 600 600	800 600 600	800 600 600
Rated current, A	24 20 20	32 32 32	57 65 65
Rated wire cross-section, mm² | AWG	2.5 | 22-14	4 | 22-10	10 | 22-8
Rated impulse voltage, kV | Contamination degree	8 | 3	8 | 3	6 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V2	A4 | V2	A5 | V2
Connection data			
Single wire (solid) / Stranded mm²	0.2-4 | -	0.2-6 | -	0.2-10 | 0.2-10
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5	0,6-6 | 0.2-4	0.2-10 | 0.2-10
Contact wire range, mm²	0.2-4	0.2-6	0.2-10
Stripping length, mm	7	12	12
Torque, Nm | Screw	0.4-0.8 | Slotted M 2.5	0.5-1.0 | Slotted M 3	1.2-2.0 | Slotted M 4
Special connection, mm	-	-	-
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels |Test pick-off	1 | 4	1 | 4	1 | 4

Accessories	**Page**	**Qty.**		**Page**	**Qty.**		**Page**	**Qty.**
End plate AP	AP 2.5-10 BG		AP 2.5-10 BG			AP 2.5-10		
Cat. no.	**2001.2** 278	50	**2001.2**	278	50	**2001.2**	278	50
Partition plate TW	TW 2.5-10 BG		TW 2.5-10 BG			TW 2.5-10		
Cat. no.	**2002.2** 316	50	**2002.2**	316	50	**2002.2**	316	50
Insulation plate TRS	TRS 3 BG		TRS 1 BG			TRS 1 BG		
Cat. no.	**2566.2** 316	100	**2003.2**	316	100	**2003.2**	316	100
Cross-connector Q	Q 2		Q 2			Q 2		
Cat. no.	**2567.0** 288	50	**2019.0**	289	50	**2060.0**	289	50
Insulated cross-connection QI			QI 2 YE			QI 2 YE		
Cat. no.			**2740.2**	289	50	**2750.2**	289	50
Cross-connector Q	Q 3		Q 3			Q 3		
Cat. no.	**2568.0** 288	50	**2020.0**	289	50	**2061.0**	289	50
Insulated cross-connection QI			QI 3 YE			QI 3 YE		
Cat. no.			**2741.2**	289	50	**2751.2**	289	50
Cross-connector Q	Q 4		Q 4			Q 4		
Cat. no.	**2569.0** 288	20	**2021.0**	289	20	**2062.0**	289	20
Insulated cross-connection QI			QI 4 YE			QI 4 YE		
Cat. no.			**2742.2**	289	20	**2752.2**	289	20
Cross-connector Q	Q 10		Q 10			Q 10		
Cat. no.	**2570.0** 288	10	**2022.0**	289	10	**2063.0**	289	10
Insulated cross-connection QI			QI 10 YE			QI 10 YE		
Cat. no.			**2743.2**	289	10	**2753.2**	289	10
End stop ES	ES 35/K/ST BG		ES 35/K/ST BG			ES 35/K/ST BG		
Cat. no.	**2828.0** 274	50	**2828.0**	274	50	**2828.0**	274	50
Test adapter TA	TA 5/1/ST		TA 6/1/ST			TA 8/1/ST		
Cat. no.	**2812.0** 318	10	**2813.0**	319	10	**2817.0**	319	10
Screwdriver SDB	SDB 0.5x3,0		SDB 0.6x3.5			SDB 0,8x4,0		
Cat. no./Qty.	**1085.0** 422	1	**1086.0**	422	1	**1087.0**	422	1
Quick marking PMC SB	PMC SB 5/50 WH		PMC SB 6/50 WH			PMC SB 8/40 WH		
Cat. no./Qty.	**4600.7** 339	500	**4702.7**	340	500	**9323.7**	342	400

Double-level terminal blocks RKD

Double-level terminal blocks RKD 2.5

The **ZIKD 2.5** terminal blocks have a width of 5 mm and are available in a variety of designs. They have three levels with six connection points and can handle solid or stranded wires up to 2.5 mm² with a rated current up to 24 amps. The upper and lower levels are connected electrically in the SV variants.

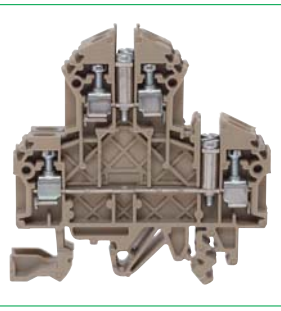
The **RKD** terminal blocks can be cross-connected at both levels using the **Q** cross-connection system.

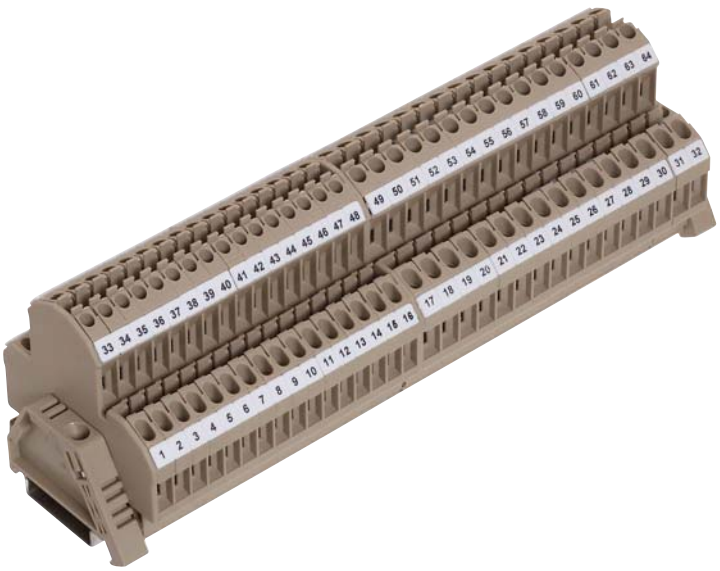
Double-level terminal blocks RKD 4

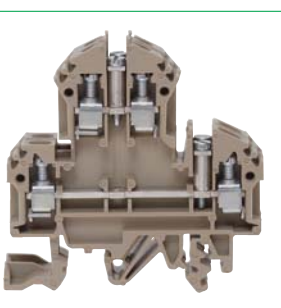
The **RKD 4** terminal blocks have a width of 6 mm and are available in a variety of designs. They have two levels with four connection points and can handle solid or stranded wires up to 4 mm² with a rated current up to 32 amps. The upper and lower levels are connected electrically in the SV variants.

The **RKD 4/D** variants are designed for a variety of switching tasks with electronics components such as diodes, resistors and varistors.

The **RKD** terminal blocks can be cross-connected at both levels using the **Q** cross-connection system.







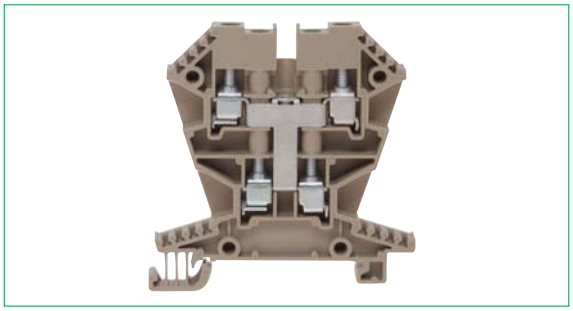
Double-level terminal blocks RKDG

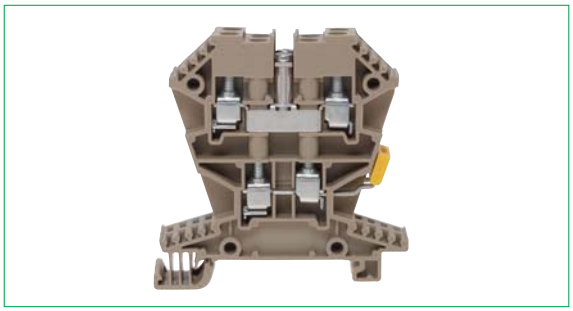
Double-level terminal blocks RKDG 4

The **RKDG 4** terminal blocks have a width of 6 mm. They have two levels with four connection points and can handle solid or stranded wires up to 4 mm² with a rated current up to 32 amps. The special feature of these terminal blocks is that their tightening screw is accessible even when wired.

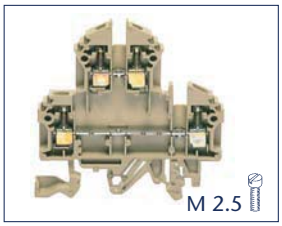
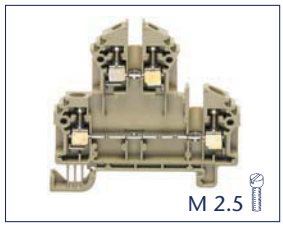
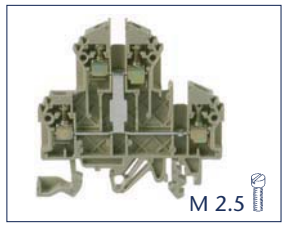
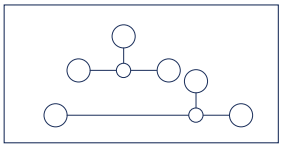
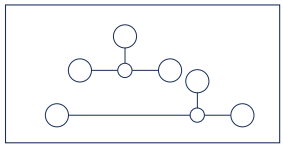
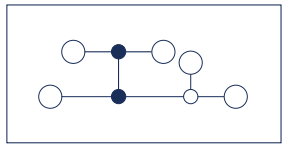
The upper and lower levels are connected electrically in the **SV** variants.

The **RKDG** terminal blocks can be cross-connected at both levels using the **Q** cross-connection system or the **AQI** external cross-connection system.



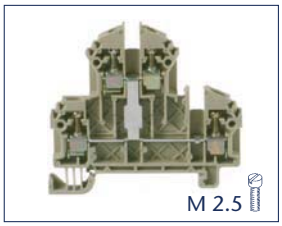
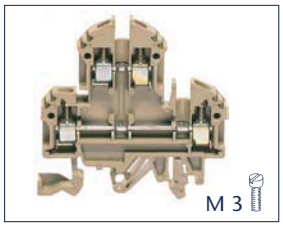
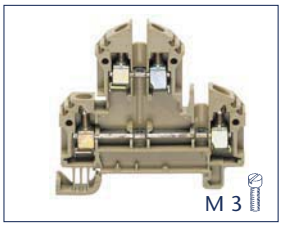
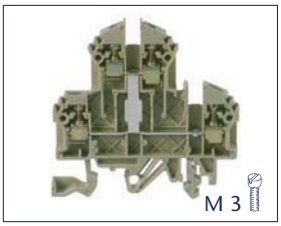
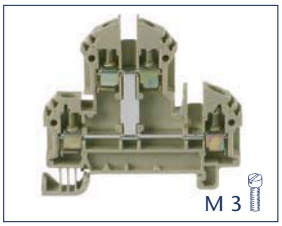
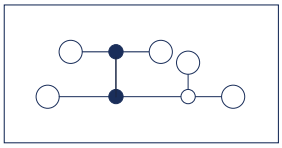
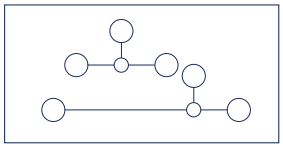
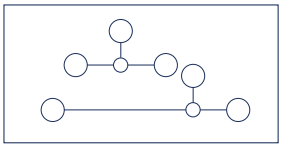
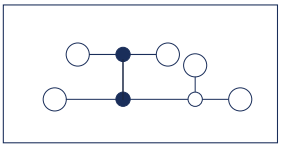
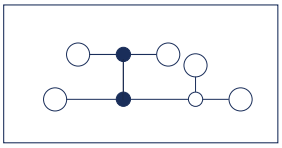


Double-level terminal blocks RKD

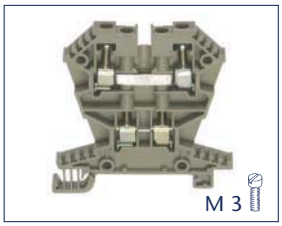
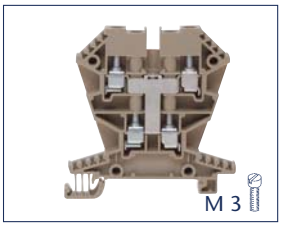
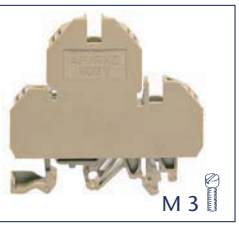
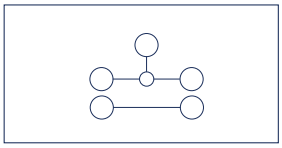
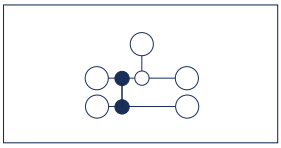
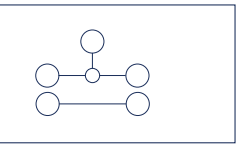
Screw connection system	RKD 2.5	RKD 2.5/35	RKD 2.5 SV
			
• Foot can be snapped on TS 32 and TS 35 DIN rails • Housing made from polyamide 6.6 UL 94-V2			
Connection diagram			
	Feed-through terminal 2x2 connections	Feed-through terminal 2x2 connections	Feed-through terminal 4 connections

Connection type	Screw connection			Screw connection			Screw connection		
Size (L x W x H) mm with TS 32 mm	60.2 x 5 x 65.5						60.2 x 5 x 65.5		
Size (L x W x H) mm with TS 35 x 7.5 mm	60.2 x 5 x 61			60.2 x 5 x 56			60.2 x 5 x 61		
Type			Qty.			Qty.			Qty.
Type colour	RKD 2.5 BG			RKD 2.5/35 BG			RKD 2.5 SV BG		
Cat. no.	**1206.2**		100	**1127.2**		100	**1209.2**		100
Type colour	RKD 2.5 BU			RKD 2.5/35 BU			RKD 2.5 SV BU		
Cat. no.	**1206.5**		100	**1127.5**		100	**1209.5**		100
Type colour									
Cat. no.									
Type colour									
Cat. no.									
Colours available	(2) .5 (3) (1) (7) (8) (9)			(2) .5			(2) .5 (8)		
Rated specifications acc. to	**IEC**	**UL**	**cUL**	**IEC**	**CSAus**	**CSA**	**IEC**	**UL**	**cUL**
Rated voltage, V	500	300	300	500	300	300	500	300	300
Rated current, A	24	20	20	24	20	20	24	20	20
Rated wire cross-section, mm² | AWG	2.5 | 22-14			2.5 | 22-14			2.5 | 22-14		
Rated impulse voltage, kV | Contamination degree	6 | 3			6 | 3			6 | 3		
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V2			A3 | V2			A3 | V2		
Connection data									
Single wire (solid) / Stranded mm²	0.2-4 | -			0.2-4 | -			0.2-4 | -		
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5			0.2-4 | 0.2-2.5			0.2-4 | 0.2-2.5		
Contact wire range, mm²	0.2-4			0.2-4			0.2-4		
Stripping length, mm	7			7			7		
Torque, Nm | Screw	0.4-0.8 | Slotted M 2.5			0.4-0.8 | Slotted M 2.5			0.4-0.8 | Slotted M 2.5		
Special connection, mm	-			-			-		
Features									
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C			PA 6.6 | -40 to +105°C			PA 6.6 | -40 to +105°C		
Number of cross-connection channels |Test pick-off	2 | 1			2 | 1			1 | 1		
Accessories		**Page**	**Qty.**		**Page**	**Qty.**		**Page**	**Qty.**
End plate AP	AP 4 BG			AP 4 BG			AP 4 BG		
Cat. no.	**2101.2**	278	20	**2101.2**	278	20	**2101.2**	278	20
Partition plate TW									
Cat. no.									
Insulation plate TRS	TRS 3 BG			TRS 3 BG			TRS 3 BG		
Cat. no.	**2566.2**	316	100	**2566.2**	316	100	**2566.2**	316	100
Cross-connector Q 2 poles	Q 2			Q 2			Q 2		
Cat. no.	**2567.0**	288	50	**2567.0**	288	50	**2567.0**	288	50
Cross-connector Q 3 poles	Q 3			Q 3			Q 3		
Cat. no.	**2568.0**	288	50	**2568.0**	288	50	**2568.0**	288	50
Cross-connector Q 4 poles	Q 4			Q 4			Q 4		
Cat. no.	**2569.0**	288	20	**2569.0**	288	20	**2569.0**	288	20
Cross-connector Q 10 poles	Q 10			Q 10			Q 10		
Cat. no.	**2570.0**	288	10	**2570.0**	288	10	**2570.0**	288	10
End stop ES	ES 35/K/ST BG			ES 35/K/ST BG			ES 35/K/ST BG		
Cat. no.	**2828.0**	274	50	**2828.0**	274	50	**2828.0**	274	50
Test adapter TA	TA 5/1/S			TA 5/1/S			TA 5/1/S		
Cat. no.	**2821.0**	318	10	**2821.0**	318	10	**2821.0**	318	10
Screwdriver SDB	SDB 0.5x3,0			SDB 0.5x3,0			SDB 0.5x3,0		
Cat. no.	**1085.0**	422	1	**1085.0**	422	1	**1085.0**	422	1
Quick marking PMC SB	PMC SB 5/50 WH			PMC SB 5/50 WH			PMC SB 5/50 WH		
Cat. no.	**4600.7**	339	500	**4600.7**	339	500	**4600.7**	339	500

More accessories starting on page 264.

RKD 2.5/35 SV	RKD 4	RKD 4/35	RKD 4/SV	RKD 4/35/SV
				
				
Feed-through terminal 4 connections	Feed-through terminal 2x2 connections	Feed-through terminal 2x2 connections	Feed-through terminal 4 connections	Feed-through terminal 4 connections
Screw connection	**Screw connection**	**Screw connection**	**Screw connection**	**Screw connection**
60.2 x 5 x 56	60.2 x 6 x 65.5 60.2 x 6 x 61	60.2 x 6 x 56	60.2 x 6 x 65.5 60.2 x 6 x 61	60.2 x 6 x 56
Qty.	**Qty.**	**Qty.**	**Qty.**	**Qty.**
RKD 2.5/35/SV BG **1579.2** 100	RKD 4 BG **1020.2** 100	RKD 4/35 BG **1128.2** 100	RKD 4/SV BG **1027.2** 100	RKD 4/35/SV BG **1581.2** 100
RKD 2.5/35/SV BU **1579.5** 100	RKD 4 BU **1020.5** 100	RKD 4/35 BU **1128.5** 100	RKD 4/SV BU **1027.5** 100	RKD 4/35/SV BU **1581.5** 100
.2 .5 .8	.2 .5 .3 .1 .4 .7 .8 .9	.2 .5	.2 .5 .3	.2 .5 .4
IEC 500 / **CSAus** 300 / **CSA** 300	**IEC** 500 / **UL** 300 / **CSA** 300	**IEC** 500 / **CSAus** 300 / **CSA** 300	**IEC** 500 / **UL** 300 / **CSA** 300	**IEC** 500 / **CSAus** 300 / **CSA** 300
24 / 20 / 20	32 / 30 / 30	32 / 30 / 30	32 / 30 / 30	32 / 30 / 30
2.5 | 22-14	4 | 22-12	4 | 22-12	4 | 22-12	4 | 22-12
6 | 3	6 | 3	6 | 3	6 | 3	6 | 3
A3 | V2	A4 | V2	A4 | V2	A4 | V2	A4 | V2
0.2-4 | -	0.2-4 | -	0.2-4 | -	0.2-4 | -	0.2-4 | -
0.2-4 | 0.2-2.5	0.2-4 | 0.2-4	0.2-4 | 0.2-4	0.2-4 | 0.2-4	0.2-4 | 0.2-4
0.2-4	0.2-4	0.2-4	0.2-4	0.2-4
7	9	9	9	9
0.4-0.8 | Slotted M 2.5	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3
-	-	-	-	-
PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
1 | 1	2 | 1	2 | 1	1 | 1	1 | 1
Page **Qty.**	**Page** **Qty.**	**Page** **Qty.**	**Page** **Qty.**	**Page** **Qty.**
AP 4 BG **2101.2** 278 20	AP 4 BG **2101.2** 278 20	AP 4 BG **2101.2** 278 20	AP 4 BG **2101.2** 278 20	AP 4 BG **2101.2** 278 20
TRS 3 BG **2566.2** 316 100	TRS 3 BG **2566.2** 316 100	TRS 3 BG **2566.2** 316 100	TRS 3 BG **2566.2** 316 100	TRS 3 BG **2566.2** 316 100
Q 2 **2567.0** 288 50	Q 2 **2087.0** 289 50	Q 2 **2087.0** 289 50	Q 2 **2087.0** 289 50	Q 2 **2087.0** 289 50
Q 3 **2568.0** 288 50	Q 3 **2088.0** 289 50	Q 3 **2088.0** 289 50	Q 3 **2088.0** 289 50	Q 3 **2088.0** 289 50
Q 4 **2569.0** 288 20	Q 4 **2089.0** 288 20	Q 4 **2089.0** 288 20	Q 4 **2089.0** 288 20	Q 4 **2089.0** 288 20
Q 10 **2570.0** 288 10	Q 10 **2090.0** 289 10	Q 10 **2090.0** 289 10	Q 10 **2090.0** 289 10	Q 10 **2090.0** 289 10
ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50
TA 5/1/S **2821.0** 318 10	TA 6/1/S **2822.0** 318 10	TA 6/1/S **2822.0** 318 10	TA 6/1/S **2822.0** 318 10	TA 6/1/S **2822.0** 318 10
SDB 0.5x3,0 **1085.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1
PMC SB 5/50 WH **4600.7** 339 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500

Double-level terminal blocks RKD

Screw connection system	RKDG 4	RKDG 4/SV	RKD 4/800 V
	 M 3	 M 3	 M 3
• Foot can be snapped on TS 32 and TS 35 DIN rails • Housing made from polyamide 6.6 UL 94-V2			
Connection diagram			
	Feed-through terminal 2x2 connections	Feed-through terminal 4 connections	Feed-through terminal 2x2 connections

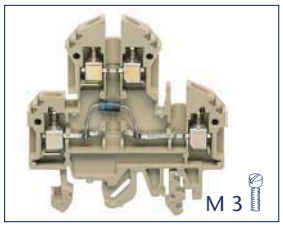
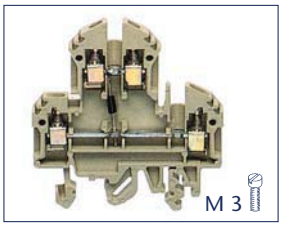
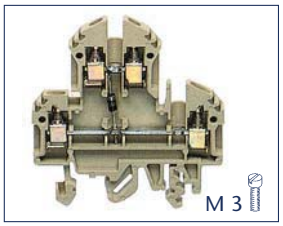
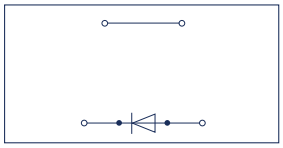
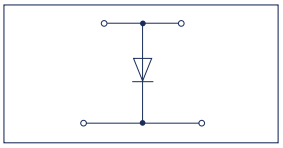
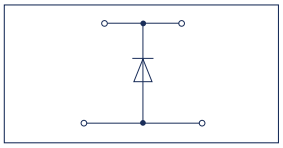
Connection type	Screw connection	Screw connection	Screw connection
Size (L x W x H) mm with TS 32 mm			60.2 x 7,5 x 65.5
Size (L x W x H) mm with TS 35 x 7.5 mm	58,5 x 6 x 60	58,5 x 6 x 60	60.2 x 7,5 x 61
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	RKDG 4 BG		RKD 4/800 V
Cat. no.	**2584.2** 100		**1025.2** 80
Type colour	RKDG 4 BU		
Cat. no.	**2584.5** 100		
Type colour		RKDG 4/SV BG	RKD 4 SV/800 V BG
Cat. no.		**17048.2** 100	**1026.2** 80
Type colour		RKDG 4/SV BU	
Cat. no.		**17048.5** 100	
Colours available	(2) (5)	(2) (5)	(2)

Rated specifications acc. to	IEC	CSAus	CSA	IEC	UL	CSA	IEC	UL	CSA
Rated voltage, V	500	300	300	500	-	-	800	600	600
Rated current, A	32	30	30	32	-	-	32	30	30
Rated wire cross-section, mm² | AWG	4 | 22-12			4 | 22-12			4 | 22-12		
Rated impulse voltage, kV | Contamination degree	6 | 3			6 | 3			6 | 3		
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A4 | V2			A4 | V2			A4 | V2		
Connection data									
Single wire (solid) / Stranded mm²	0.2-4 | -			0.2-4 | -			0.2-4 | -		
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-4			0.2-4 | 0.2-4			0.2-4 | 0.2-4		
Contact wire range, mm²	0.2-4			0.2-4			0.2-4		
Stripping length, mm	9			9			9		
Torque, Nm | Screw	0.5-1.0 | Slotted M 3			0.5-1.0 | Slotted M 3			0.5-1.0 | Slotted M 3		
Special connection, mm	-			-			-		
Features									
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C			PA 6.6 | -40 to +105°C			PA 6.6 | -40 to +105°C		
Number of cross-connection channels |Test pick-off	1 | -			1 | -			- | -		

Accessories		Page	Qty.		Page	Qty.		Page	Qty.
End plate AP	APG 4 BG			APG 4 BG			AP 4 800 V BG		
Cat. no.	**2586.2**	278	20	**2586.2**	278	20	**2159.2**	278	20
Cross-connector Q	Q 2			Q 2					
Cat. no. 2 poles	**2087.0**	289	50	**2087.0**	289	50			
Cross-connector Q	Q 3			Q 3					
Cat. no. 3 poles	**2088.0**	289	50	**2088.0**	289	50			
Cross-connector Q	Q 4			Q 4					
Cat. no. 4 poles	**2089.0**	288	20	**2089.0**	288	20			
Cross-connector Q	Q 10			Q 10					
Cat. no. 10 poles	**2090.0**	289	10	**2090.0**	289	10			
End stop ES	ES 35/K/ST BG			ES 35/K/ST BG			ES 35/K/ST BG		
Cat. no.	**2828.0**	274	50	**2828.0**	274	50	**2828.0**	274	50
Test adapter TA									
Cat. no.									
Screwdriver SDB	SDB 0.6x3.5			SDB 0.6x3.5			SDB 0.6x3.5		
Cat. no.	**1086.0**	422	1	**1086.0**	422	1	**1086.0**	422	1
Quick marking PMC SB	PMC SB 6/50 WH			PMC SB 6/50 WH			PMC SB 6/50 WH		
Cat. no.	**4702.7**	340	500	**4702.7**	340	500	**4702.7**	340	500

More accessories starting on page 264.

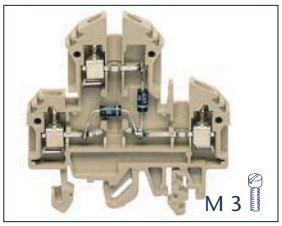
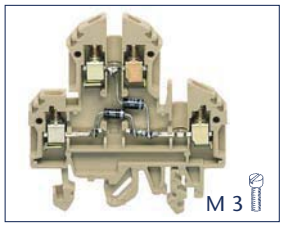
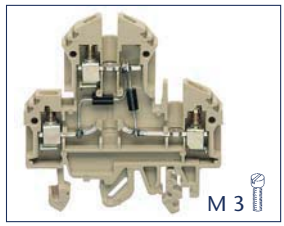
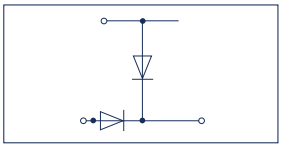
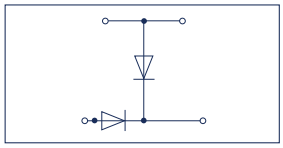
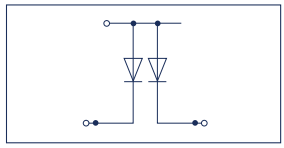
Double-level terminals with electronic components RKD

Screw connection system	RKD 4/D0	RKD 4/D1	RKD 4/D2
			
• Foot can be snapped on TS 32 and TS 35 DIN rails • Housing made from polyamide 6.6 UL 94-V2			
Connection diagram			
	Double-level terminals with electronic components	Double-level terminals with electronic components	Double-level terminals with electronic components

Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Size (L x W x H) mm with TS 32 mm	60.2 x 6 x 65.5	60.2 x 6 x 65.5	60.2 x 6 x 65.5
Size (L x W x H) mm with TS 35 x 7.5 mm	60.2 x 6 x 61	60.2 x 6 x 61	60.2 x 6 x 61
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	RKD 4/D0 BG	RKD 4/D1 BG	RKD 4/D2 BG
Cat. no.	**2319.2** 100	**1046.2** 100	**1047.2** 100
Type colour		RKD 4/D1 BU	RKD 4/D2 BU
Cat. no.		**1046.5** 100	**1047.5** 100
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	.2	.2 .5	.2 .5
Ratings			
Rated voltage, V	400 V AC	400 V AC	400 V AC
Rated current, A	10	10	10
Diode reverse voltage, V	1000	1000	1000
Diode current, A	1	1	1
Diode type	1 N 4007	1 N 4007	1 N 4007
Resistance			
Rated wire cross-section, mm² | AWG	4 | 22-12	4 | 22-12	4 | 22-12
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A4 | V2	A4 | V2	A4 | V2
Connection data			
Single wire (solid) / Stranded mm²	0.2-4 | -	0.2-4 | -	0.2-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-4	0.2-4 | 0.2-4	0.2-4 | 0.2-4
Contact wire range, mm²	0.2-4	0.2-4	0.2-4
Stripping length, mm	9	9	9
Torque, Nm | Screw	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3
Special connection, mm	-	-	-
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels |Test pick-off	2 | 1	2 | 1	2 | 1

Accessories	**Page**	**Qty.**	**Page**	**Qty.**	**Page**	**Qty.**
End plate AP	AP 4 BG		AP 4 BG		AP 4 BG	
Cat. no.	**2101.2** 278	20	**2101.2** 278	20	**2101.2** 278	20
Insulation plate TRS	TRS 3 BG		TRS 3 BG		TRS 3 BG	
Cat. no.	**2566.2** 316	100	**2566.2** 316	100	**2566.2** 316	100
Socket plug STB	STB 8.5/2.3		STB 8.5/2.3		STB 8.5/2.3	
Cat. no.	**2075.0** 317	50	**2075.0** 317	50	**2075.0** 317	50
Test plug PS	PS 2,3		PS 2,3		PS 2,3	
Cat. no.	**2007.0** 317	20	**2007.0** 317	20	**2007.0** 317	20
Cross-connector Q	Q 2		Q 2		Q 2	
Cat. no. 2 poles	**2087.0** 289	50	**2087.0** 289	50	**2087.0** 289	50
Cross-connector Q	Q 3		Q 3		Q 3	
Cat. no. 3 poles	**2088.0** 289	50	**2088.0** 289	50	**2088.0** 289	50
Cross-connector Q	Q 4		Q 4		Q 4	
Cat. no. 4 poles	**2089.0** 288	20	**2089.0** 288	20	**2089.0** 288	20
Cross-connector Q	Q 10		Q 10		Q 10	
Cat. no. 10 poles	**2090.0** 289	10	**2090.0** 289	10	**2090.0** 289	10
End stop ES	ES 35/K/ST BG		ES 35/K/ST BG		ES 35/K/ST BG	
Cat. no.	**2828.0** 274	50	**2828.0** 274	50	**2828.0** 274	50
Test adapter TA	TA 6/1/S		TA 6/1/S		TA 6/1/S	
Cat. no.	**2822.0** 318	10	**2822.0** 318	10	**2822.0** 318	10
Screwdriver SDB	SDB 0.6x3.5		SDB 0.6x3.5		SDB 0.6x3.5	
Cat. no.	**1086.0** 422	1	**1086.0** 422	1	**1086.0** 422	1
Quick marking PMC SB	PMC SB 6/50 WH		PMC SB 6/50 WH		PMC SB 6/50 WH	
Cat. no.	**4702.7** 340	500	**4702.7** 340	500	**4702.7** 340	500

Double-level terminals with electronic components RKD

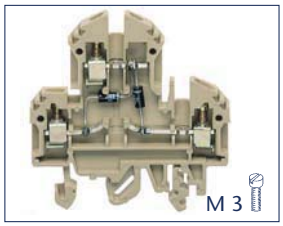
Screw connection system	RKD 4/D6	RKD 4/D5	RKD 4/D3
			
• Foot can be snapped on TS 32 and TS 35 DIN rails • Housing made from polyamide 6.6 UL 94-V2			
Connection diagram			
	Double-level terminals with electronic components	Double-level terminals with electronic components	Double-level terminals with electronic components

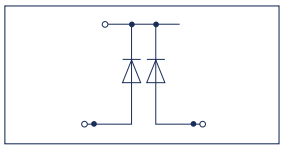
Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Size (L x W x H) mm with TS 32 mm	60.2 x 6 x 65.5	60.2 x 6 x 65.5	60.2 x 6 x 65.5
Size (L x W x H) mm with TS 35 x 7.5 mm	60.2 x 6 x 61	60.2 x 6 x 61	60.2 x 6 x 61
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	RKD 4/D6 BG	RKD 4/D5 BG	RKD 4/D3 BG
Cat. no.	**2320.2** 100	**2321.2** 100	**2322.2** 100
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	(2)	(2)	(2)
Rated specifications acc. to			
Rated voltage, V	400 V AC	400 V AC	400 V AC
Rated current, A	10	10	10
Diode reverse voltage, V	1000	1000	1000
Diode current, A	1	1	1
Diode type	1 N 4007	1 N 4007	1 N 4007
Resistance			
Rated wire cross-section, mm² | AWG	4 | 22-12	4 | 22-12	4 | 22-12
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A4 | V2	A4 | V2	A4 | V2
Connection data			
Single wire (solid) / Stranded mm²	0.2-4 | -	0.2-4 | -	0.2-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-4	0.2-4 | 0.2-4	0.2-4 | 0.2-4
Contact wire range, mm²	0.2-4	0.2-4	0.2-4
Stripping length, mm	9	9	9
Torque, Nm | Screw	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3
Special connection, mm	-	-	-
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels |Test pick-off	2 | 1	2 | 1	2 | 1

Accessories		**Page**	**Qty.**		**Page**	**Qty.**		**Page**	**Qty.**
End plate AP	AP 4 BG			AP 4 BG			AP 4 BG		
Cat. no.	**2101.2**	278	20	**2101.2**	278	20	**2101.2**	278	20
Insulation plate TRS	TRS 3 BG			TRS 3 BG			TRS 3 BG		
Cat. no.	**2566.2**	316	100	**2566.2**	316	100	**2566.2**	316	100
Socket plug STB	STB 8.5/2.3			STB 8.5/2.3			STB 8.5/2.3		
Cat. no.	**2075.0**	317	50	**2075.0**	317	50	**2075.0**	317	50
Test plug PS	PS 2,3			PS 2,3			PS 2,3		
Cat. no.	**2007.0**	317	20	**2007.0**	317	20	**2007.0**	317	20
Cross-connector Q	Q 2			Q 2			Q 2		
Cat. no. 2 poles	**2087.0**	289	50	**2087.0**	289	50	**2087.0**	289	50
Cross-connector Q	Q 3			Q 3			Q 3		
Cat. no. 3 poles	**2088.0**	289	50	**2088.0**	289	50	**2088.0**	289	50
Cross-connector Q	Q 4			Q 4			Q 4		
Cat. no. 4 poles	**2089.0**	288	20	**2089.0**	288	20	**2089.0**	288	20
Cross-connector Q	Q 10			Q 10			Q 10		
Cat. no. 10 poles	**2090.0**	289	10	**2090.0**	289	10	**2090.0**	289	10
End stop ES	ES 35/K/ST BG			ES 35/K/ST BG			ES 35/K/ST BG		
Cat. no.	**2828.0**	274	50	**2828.0**	274	50	**2828.0**	274	50
Screwdriver SDB	SDB 0.6x3.5			SDB 0.6x3.5			SDB 0.6x3.5		
Cat. no.	**1086.0**	422	1	**1086.0**	422	1	**1086.0**	422	1
Quick marking PMC SB	PMC SB 6/50 WH			PMC SB 6/50 WH			PMC SB 6/50 WH		
Cat. no.	**4702.7**	340	500	**4702.7**	340	500	**4702.7**	340	500

More accessories starting on page 264.

RKD 4/D4





Double-level terminals with electronic components

Screw connection

60.2 x 6 x 65.5

60.2 x 6 x 61

	Qty.
RKD 4/D4 BG	
2323.2	100

(2)

400 V AC

10

1000

1

1 N 4007

4 | 22-12

A4 | V2

0.2-4 | -

0,.-4 | 0.2-4

0.2-4

9

0.5-1.0 | Slotted M 3

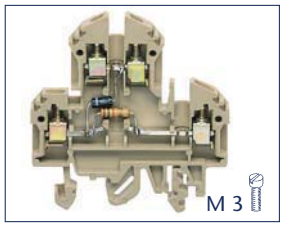
-

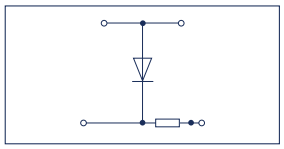
PA 6.6 | -40 to +105°C

2 | 1

	Page	Qty.
AP 4 BG **2101.2**	278	20
TRS 3 BG **2566.2**	316	100
STB 8.5/2.3 **2075.0**	317	50
PS 2,3 **2007.0**	317	20
Q 2 **2087.0**	289	50
Q 3 **2088.0**	289	50
Q 4 **2089.0**	288	20
Q 10 **2090.0**	289	10
ES 35/K/ST BG **2828.0**	274	50
SDB 0.6x3.5 **1086.0**	422	1
PMC SB 6/50 WH **4702.7**	340	500

RKD 4/RD1





Double-level terminals with electronic components

Screw connection

60.2 x 6 x 65.5

60.2 x 6 x 61

	Qty.
RKD 4/RD1 BG	
2324.2	100

(2)

400 V AC

10

1000

1

1 N 4007

1.5 k Ohm

4 | 22-12

A4 | V2

0.2-4 | -

0.2-4 | 0.2-4

0.2-4

9

0.5-1.0 | Slotted M 3

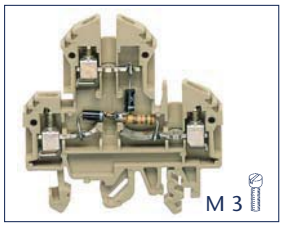
-

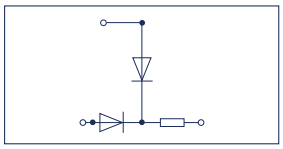
PA 6.6 | -40 to +105°C

2 | 1

	Page	Qty.
AP 4 BG **2101.2**	278	20
TRS 3 BG **2566.2**	316	100
STB 8.5/2.3 **2075.0**	317	50
PS 2,3 **2007.0**	317	20
Q 2 **2087.0**	289	50
Q 3 **2088.0**	289	50
Q 4 **2089.0**	288	20
Q 10 **2090.0**	289	10
ES 35/K/ST BG **2828.0**	274	50
SDB 0.6x3.5 **1086.0**	422	1
PMC SB 6/50 WH **4702.7**	340	500

RKD 4/RD5





Double-level terminals with electronic components

Screw connection

60.2 x 6 x 65.5

60.2 x 6 x 61

	Qty.
RKD 4/RD5 BG	
2440.2	100

(2)

400 V AC

10

1000

1

1 N 4007

1.5 k Ohm

4 | 22-12

A4 | V2

0.2-4 | -

0.2-4 | 0.2-4

0.2-4

9

0.5-1.0 | Slotted M 3

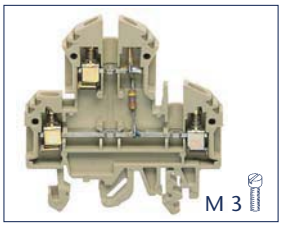
-

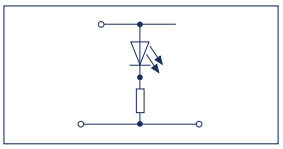
PA 6.6 | -40 to +105°C

2 | 1

	Page	Qty.
AP 4 BG **2101.2**	278	20
TRS 3 BG **2566.2**	316	100
STB 8.5/2.3 **2075.0**	317	50
PS 2,3 **2007.0**	317	20
Q 2 **2087.0**	289	50
Q 3 **2088.0**	289	50
Q 4 **2089.0**	288	20
Q 10 **2090.0**	289	10
ES 35/K/ST BG **2828.0**	274	50
SDB 0.6x3.5 **1086.0**	422	1
PMC SB 6/50 WH **4702.7**	340	500

RKD 4/LED1





Double-level terminals with electronic components

Screw connection

60.2 x 6 x 65.5

60.2 x 6 x 61

	Qty.
RKD 4/LED1(RD)/6V DC BG	
2310.2	100
RKD 4/LED1(RD)/24V DC BG	
1040.2	100
RKD 4/LED1(GN)/24V DC BG	
2312.2	100
RKD 4/LED1(RD)/60V DC BG	
2314.2	100

(2)

Refer to type

10

4 | 22-12

A4 | V2

0.2-4 | -

0.2-4 | 0.2-4

0.2-4

9

0.5-1.0 | Slotted M 3

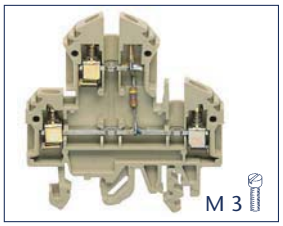
-

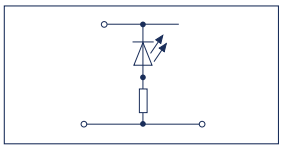
PA 6.6 | -40 to +105°C

1 Per feed-through level | -

	Page	Qty.
AP 4 BG **2101.2**	278	20
TRS 3 BG **2566.2**	316	100
STB 8.5/2.3 **2075.0**	317	50
PS 2,3 **2007.0**	317	20
Q 2 **2087.0**	289	50
Q 3 **2088.0**	289	50
Q 4 **2089.0**	288	20
Q 10 **2090.0**	289	10
ES 35/K/ST BG **2828.0**	274	50
SDB 0.6x3.5 **1086.0**	422	1
PMC SB 6/50 WH **4702.7**	340	500

RKD 4/LED2





Double-level terminals with electronic components

Screw connection

60.2 x 6 x 65.5

60.2 x 6 x 61

	Qty.
RKD 4/LED2(RD)/6V DC BG	
2311.2	100
RKD 4/LED2(RD)/24V DC BG	
1041.2	100
RKD 4/LED2(GN)/24V DC BG	
2313.2	100
RKD 4/LED2(RD)/60V DC BG	
2315.2	100

(2)

Refer to type

10

4 | 22-12

A4 | V2

0.2-4 | -

0.2-4 | 0.2-4

0.2-4

9

0.5-1.0 | Slotted M 3

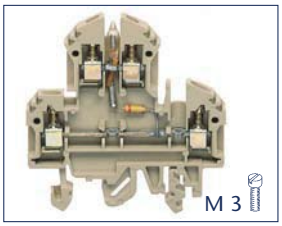
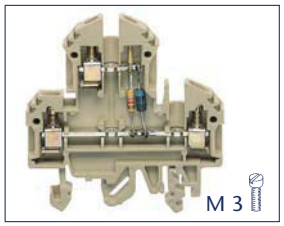
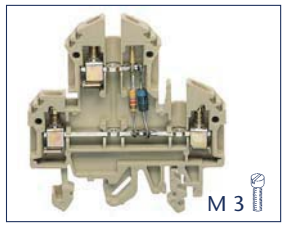
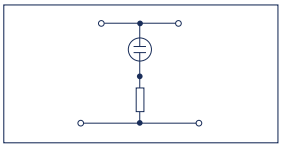
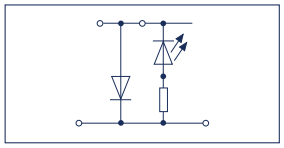
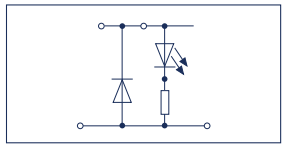
-

PA 6.6 | -40 to +105°C

1 Per feed-through level | -

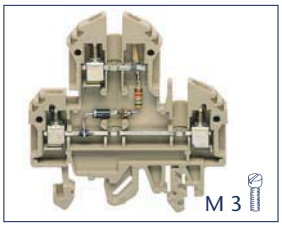
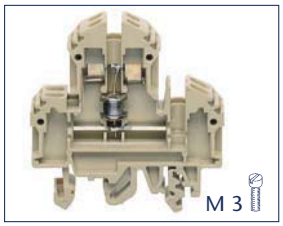
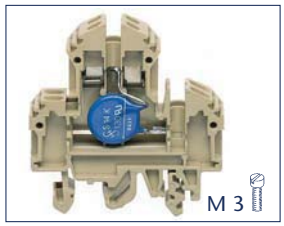
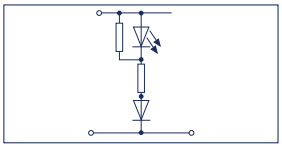
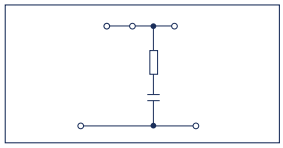
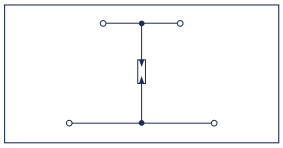
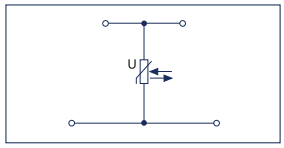
	Page	Qty.
AP 4 BG **2101.2**	278	20
TRS 3 BG **2566.2**	316	100
STB 8.5/2.3 **2075.0**	317	50
PS 2,3 **2007.0**	317	20
Q 2 **2087.0**	289	50
Q 3 **2088.0**	289	50
Q 4 **2089.0**	288	20
Q 10 **2090.0**	289	10
ES 35/K/ST BG **2828.0**	274	50
SDB 0.6x3.5 **1086.0**	422	1
PMC SB 6/50 WH **4702.7**	340	500

Double-level terminals with electronic components RKD

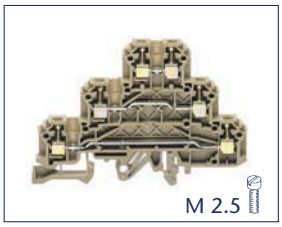
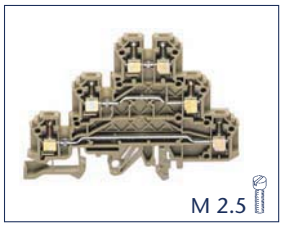
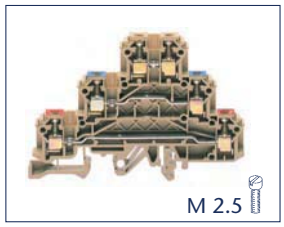
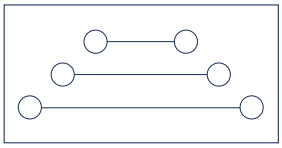
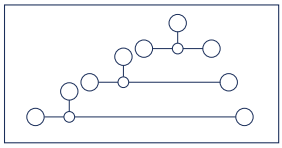
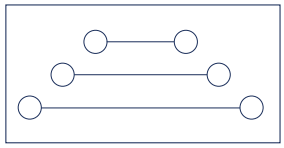
Screw connection system	RKD 4/G	RKD 4/LED3	RKD 4/LED4
			
• Foot can be snapped on TS 32 and TS 35 DIN rails • Housing made from polyamide 6.6 UL 94-V2	M 3	M 3	M 3
Connection diagram			
	Double-level terminals with electronic components	Double-level terminals with electronic components	Double-level terminals with electronic components
Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Size (L x W x H) mm with TS 32 mm	60.2 x 6 x 65.5	60.2 x 6 x 65.5	60.2 x 6 x 65.5
Size (L x W x H) mm with TS 35 x 7.5 mm	60.2 x 6 x 61	60.2 x 6 x 61	60.2 x 6 x 61
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	RKD 4/G/115V AC BG	RKD 4/LED3(RD)/24V DC BG	RKD 4/LED4(RD)/24V DC BG
Cat. no.	**1045.2** 100	**2436.2** 100	**2438.2** 100
Type colour	RKD 4/G/230V AC BG	RKD 4/LED3(GN)/24V DC BG	RKD 4/LED4(GN)/24V DC BG
Cat. no.	**1044.2** 100	**2437.2** 100	**2439.2** 100
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	.2	.2	.2
Rated specifications acc. to			
Rated voltage, V	Refer to type	Refer to type	Refer to type
Rated current, A	10	10	10
Capacitor µF			
Resistance, ohm			
Rated wire cross-section, mm² | AWG	4 | 22-12	4 | 22-12	4 | 22-12
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A4 | V2	A4 | V2	A4 | V2
Connection data			
Single wire (solid) / Stranded mm²	0.2-4 | -	0.2-4 | -	0.2-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-4	0.2-4 | 0.2-4	0.2-4 | 0.2-4
Contact wire range, mm²	0.2-4	0.2-4	0.2-4
Stripping length, mm	9	9	9
Torque, Nm | Screw	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3
Special connection, mm	-	-	-
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels |Test pick-off	1 Per feed-through level | -	1 Per feed-through level | -	1 Per feed-through level | -

Accessories		Page	Qty.	Page	Qty.	Page	Qty.
End plate AP		AP 4 BG		AP 4 BG		AP 4 BG	
Cat. no.		**2101.2**	278 20	**2101.2**	278 20	**2101.2**	278 20
Insulation plate TRS		TRS 3 BG		TRS 3 BG		TRS 3 BG	
Cat. no.		**2566.2**	316 100	**2566.2**	316 100	**2566.2**	316 100
Socket plug STB		STB 8.5/2.3		STB 8.5/2.3		STB 8.5/2.3	
Cat. no.		**2075.0**	317 50	**2075.0**	317 50	**2075.0**	317 50
Test plug PS		PS 2,3		PS 2,3		PS 2,3	
Cat. no.		**2007.0**	317 20	**2007.0**	317 20	**2007.0**	317 20
Cross-connector Q		Q 2		Q 2		Q 2	
Cat. no.	2 poles	**2087.0**	289 50	**2087.0**	289 50	**2087.0**	289 50
Cross-connector Q		Q 3		Q 3		Q 3	
Cat. no.	3 poles	**2088.0**	289 50	**2088.0**	289 50	**2088.0**	289 50
Cross-connector Q		Q 4		Q 4		Q 4	
Cat. no.	4 poles	**2089.0**	288 20	**2089.0**	288 20	**2089.0**	288 20
Cross-connector Q		Q 10		Q 10		Q 10	
Cat. no.	10 poles	**2090.0**	289 10	**2090.0**	289 10	**2090.0**	289 10
End stop ES		ES 35/K/ST BG		ES 35/K/ST BG		ES 35/K/ST BG	
Cat. no.		**2828.0**	274 50	**2828.0**	274 50	**2828.0**	274 50
Screwdriver SDB		SDB 0.6x3.5		SDB 0.6x3.5		SDB 0.6x3.5	
Cat. no.		**1086.0**	422 1	**1086.0**	422 1	**1086.0**	422 1
Quick marking PMC SB		PMC SB 6/50 WH		PMC SB 6/50 WH		PMC SB 6/50 WH	
Cat. no.		**4702.7**	340 500	**4702.7**	340 500	**4702.7**	340 500

More accessories starting on page 264.

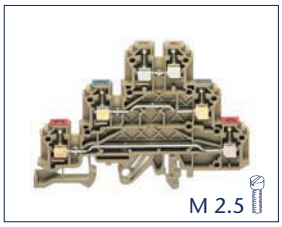
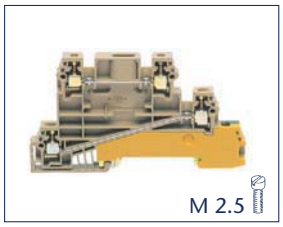
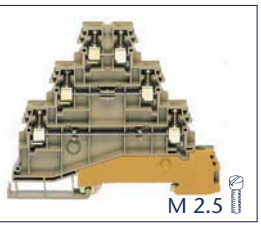
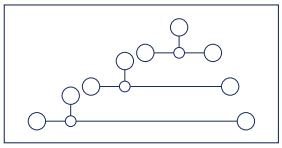
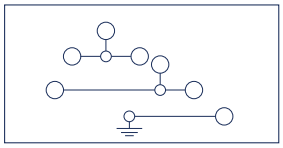
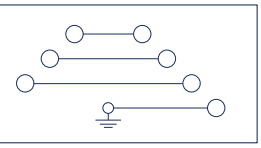
RKD 4/LED5	RKD 4/RC	RKD 4/UG	RKD 4/UV	
				
				
Double-level terminals with electronic components	Double-level terminals with electronic components	Double-level terminals with electronic components	Double-level terminals with electronic components	
Screw connection	**Screw connection**	**Screw connection**	**Screw connection**	
60.2 x 6 x 65.5	60.2 x 18 x 65.5	60.2 x 12 x 65.5	60.2 x 12 x 65.5	
60.2 x 6 x 61	60.2 x 18 x 61	60.2 x 12 x 61	60.2 x 12 x 61	
Qty.	**Qty.**	**Qty.**	**Qty.**	
RKD 4/LED5(RD)/24V AC BG **1042.2** 100	RKD 4/RC BG **1189.2** 30	RKD 4/UG/90V/5kA BG **1033.2** 50	RKD 4/UV/30V BG **1023.2** 50	
RKD 4/LED5(RD)/48V AC BG **1043.2** 100		RKD 4/UG/230V/5kA BG **1034.2** 50	RKD 4/UV/60V BG **1024.2** 50	
RKD 4/LED5(RD)/150V AC BG **2316.2** 100		RKD 4/UG/600V/5kA BG **1048.2** 50	RKD 4/UV/75V BG **1029.2** 50	
RKD 4/LED5(RD)/230V AC BG **2469.2** 100			RKD 4/UV/130V BG **1031.2** 50	
			RKD 4/UV/275V BG **1051.2** 50	
(2)	(2)	(2)	(2)	
Refer to type	250 V AC | 330 V DC	Refer to type	Refer to type	
10	10	10	10	
	2x0.1			
	100	Gas discharge tube	Varistor	
4 | 22-12	4 | 22-12	4 | 22-12	4 | 22-12	
A4 | V2	A4 | V2	A4 | V2	A4 | V2	
0.2-4 | -	0.2-4 | -	0.2-4 | -	0.2-4 | -	
0.2-4 | 0.2-4	0.2-4 | 0.2-4	0.2-4 | 0.2-4	0.2-4 | 0.2-4	
0.2-4	0.2-4	0.2-4	0.2-4	
9	9	9	9	
0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3	
-	-	-	-	
PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	
1 Per feed-through level | -				
Page **Qty.**	**Page** **Qty.**	**Page** **Qty.**	**Page** **Qty.**	
AP 4 BG **2101.2** 278 20	AP 4 BG **2101.2** 278 20	AP 4 BG **2101.2** 278 20	AP 4 BG **2101.2** 278 20	
TRS 3 BG **2566.2** 316 100	TRS 3 BG **2566.2** 316 100	TRS 3 BG **2566.2** 316 100	TRS 3 BG **2566.2** 316 100	
STB 8.5/2.3 **2075.0** 317 50	STB 8.5/2.3 **2075.0** 317 50	STB 8.5/2.3 **2075.0** 317 50	STB 8.5/2.3 **2075.0** 317 50	
PS 2,3 **2007.0** 317 20	PS 2,3 **2007.0** 317 20	PS 2,3 **2007.0** 317 20	PS 2,3 **2007.0** 317 20	
Q 2 **2087.0** 289 50	Q 2 **2087.0** 289 50	Q 2 **2087.0** 289 50	Q 2 **2087.0** 289 50	
Q 3 **2088.0** 289 50	Q 3 **2088.0** 289 50	Q 3 **2088.0** 289 50	Q 3 **2088.0** 289 50	
Q 4 **2089.0** 288 20	Q 4 **2089.0** 288 20	Q 4 **2089.0** 288 20	Q 4 **2089.0** 288 20	
Q 10 **2090.0** 289 10	Q 10 **2090.0** 289 10	Q 10 **2090.0** 289 10	Q 10 **2090.0** 289 10	
ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	
SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	
PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	

Three-level terminals IKD/DLI | Motor connection terminal VMAK

Screw connection system	IKD 2.5	IKD 2.5/Q	IKD 2.5/F
	 M 2.5	 M 2.5	 M 2.5
• Foot can be snapped on TS 32 and TS 35 DIN rails • Housing made from polyamide 6.6 UL 94-V2			
Connection diagram			
	Feed-through terminal 3x2 connections	Feed-through terminal 3x2 connections	Feed-through terminal 3x2 connections

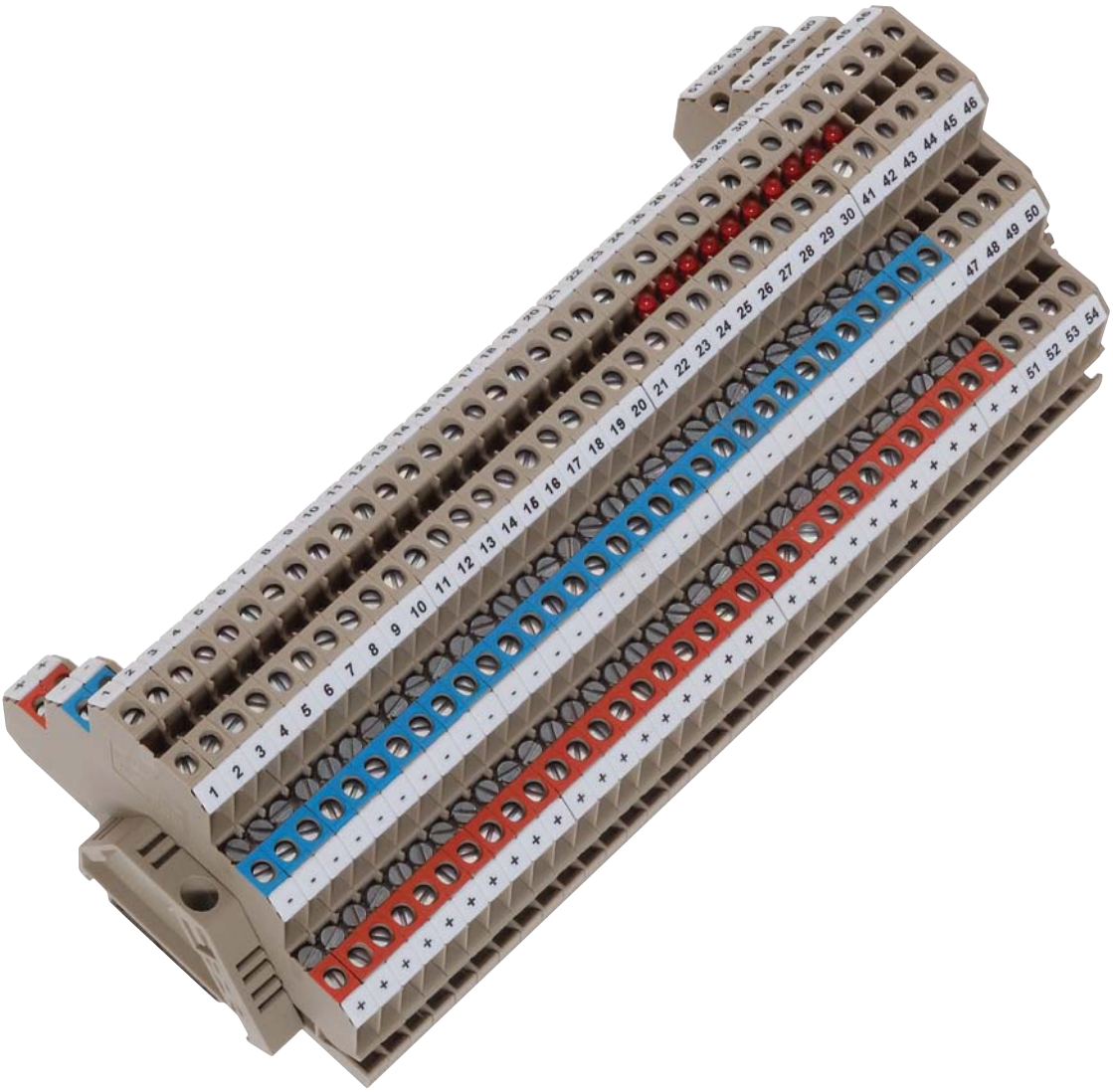
Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Size (L x W x H) mm with TS 32 mm	84.8 x 5 x 62.8	84.8 x 5 x 62.8	84.8 x 5 x 62.8
Size (L x W x H) mm with TS 35 x 7.5 mm	84.8 x 5 x 58.3	84.8 x 5 x 58.3	84.8 x 5 x 58.3
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	IKD 2.5 BG	IKD 2.5/Q BG	IKD 2.5/F BG
Cat. no.	**1261.2** 50	**2268.2** 50	**1295.2** 50
Type colour	IKD 2.5 BU	IKD 2.5/Q BU	
Cat. no.	**1261.5** 50	**2268.5** 50	
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available	(2) (5)	(2) (5)	(2)
Rated specifications acc. to	**IEC CSAus CSA**	**IEC CSAus CSA**	**IEC CSAus CSA**
Rated voltage, V	250 300 300	250 300 300	250 300 300
Rated current, A	24 20 20	24 20 20	24 20 20
Rated wire cross-section, mm² | AWG	2.5 | 22-14	2.5 | 22-14	2.5 | 22-14
Rated impulse voltage, kV | Contamination degree	4 | 3	4 | 3	4 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V2	A3 | V2	A3 | V2
Connection data			
Single wire (solid) / Stranded mm²	0.2-4 | -	0.2-4 | -	0.2-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5
Contact wire range, mm²	0.2-4	0.2-4	0.2-4
Stripping length, mm	7	7	7
Torque, Nm | Screw	0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5
Special connection, mm	-	-	-
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels |Test pick-off	3 | -	3 | -	3 | -
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
End plate AP	AP 2.5/ID BG	AP 2.5/ID BG	AP 2.5/ID BG
Cat. no.	**2699.2** 278 20	**2699.2** 278 20	**2699.2** 278 20
Insulation plate TRS			
Cat. no.			
Cross-connector Q 2 poles		Q 2	
Cat. no.		**2422.0** 288 50	
Insulated cross-connector AQI			
Cat. no.			
Cross-connector Q 3 poles		Q 3	
Cat. no.		**2423.0** 288 50	
Insulated cross-connector AQI			
Cat. no.			
Cross-connector Q 4 poles		Q 4	
Cat. no.		**2424.0** 288 20	
Insulated cross-connector AQI			
Cat. no.			
Cross-connector Q 10 poles		Q 10	
Cat. no.		**2425.0** 288 10	
Insulated cross-connector AQI			
Cat. no.			
End stop ES	ES 35/K/ST BG	ES 35/K/ST BG	ES 35/K/ST BG
Cat. no.	**2828.0** 274 50	**2828.0** 274 50	**2828.0** 274 50
Socket plug STB	STB 8.5/2.3	STB 8.5/2.3	STB 8.5/2.3
Cat. no.	**2075.0** 317 50	**2075.0** 317 50	**2075.0** 317 50
Test plug PS	PS 2,3	PS 2,3	PS 2,3
Cat. no.	**2007.0** 317 20	**2007.0** 317 20	**2007.0** 317 20
Screwdriver SDB	SDB 0.5x3,5	SDB 0.5x3,5	SDB 0.5x3,5
Cat. no.	**1085.0** 422 1	**1085.0** 422 1	**1085.0** 422 1
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	**4600.7** 339 500	**4600.7** 339 500	**4600.7** 339 500

More accessories starting on page 264.

IKD 2.5/F/Q	DLI 2.5/PE/L/L	VMAK 2.5		
				
				
Feed-through terminal 3x2 connections	Feed-through/protective-earth terminal, 2x2+1 connections	Feed-through/protective-earth terminal, 3x2+1 connections		
Screw connection	**Screw connection**	**Screw connection**		
84.8 x 5 x 62.8				
84.8 x 5 x 58.3	90.5 x 6 x 53	93.3 x 6 x 77		
Qty.	**Qty.**	**Qty.**		
IKD 2.5/F/Q BG **2269.2** 50	DLI 2.5 PE/L/L BG **1419.2** 50	VMAK 2.5 BG **1425.2** 40		
(2)	(2)	(2)		
IEC 250 / 24	**IEC** 400/250 / 24	**IEC** 400 / 24		
CSAus 300 / 20	**CSAus** 300 / 15	**CSAus** 300 / 10		
CSA 300 / 20	**CSA** 300 / 15	**CSA** 300 / 10		
2.5 | 22-14	2.5 | 22-14	2.5 | 22-14		
4 | 3	6 | 3	6 | 3		
A3 | V2	A3 | V2	A4 | V2		
0.2-4 | -	0.2-4 | -	0.2-4 | -		
0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5		
0.2-4	0.2-4	0.2-4		
7	8	9		
0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5		
-	-	-		
PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C		
3 | -	2 |-	-|-		
Page **Qty.**	**Page** **Qty.**	**Page** **Qty.**		
AP 2.5/ID BG **2699.2** 278 20	AP 2.5/D BG **2831.2** 278 20	AP VMAK 2.5 BG **2862.2** 278 20		
	TRS 3 BG **2566.2** 316			
Q 2 **2422.0** 288 50	Q 2 **2832.0** 288 50			
		AQI 2/6/11 YE **2125.0** 292 50		
Q 3 **2423.0** 288 50	Q 3 **2833.0** 288 50			
		AQI 3/6/11 YE **2126.0** 292 50		
Q 4 **2424.0** 288 20	Q 4 **2834.0** 288 20			
		AQI 4/6/11 YE **2140.0** 292 50		
Q 10 **2425.0** 288 10	Q 10 **2835.0** 288 10			
		AQI 10/6/11 YE **2141.0** 292 10		
ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50		
STB 8,5/2,3 **2075.0** 317 50				
PS 2,3 **2007.0** 317 20				
SDB 0.5x3,5 **1085.0** 422 1	SDB 0.5x3,5 **1085.0** 422 1	SDB 0.5x3,5 **1085.0** 422 1		
PMC SB 5/50 WH **4600.7** 339 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500		

Three-level initiator terminals IKD/IK

In the field of machinery construction, inductive/capacitive proximity switches and diffuse-reflection sensors are being increasingly used for contactless switching purposes. These sensors are mostly designed for three-wire systems: plus and minus wires for the power supply and a third wire for switching signals. In order to ensure the proper overview of wiring and also to help you save time and space during your work, **CONTA-CLIP** offers a 5-mm thin initiator terminal with a screw connection – the **IK 2.5**. This product combines all of the connections found in an initiator or an actuator into a single terminal. When combined with the **IKD 2.5** power supply terminal, it is possible to connect the terminal strip of the **IK 2.5** initiator terminals to the power supply without any loss of poles.



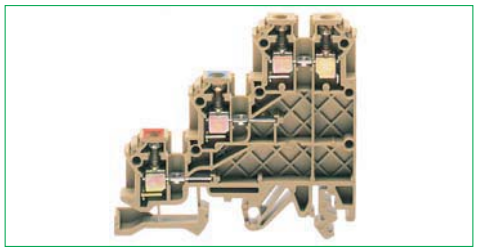
Three-level initiator terminals IKD/IK

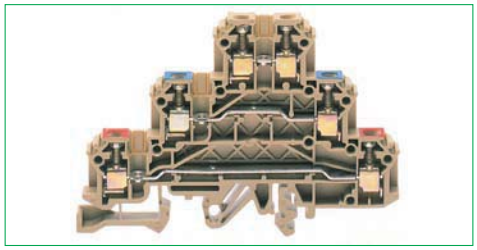
The features in detail

The **IKD 2.5** can be positioned anywhere in the terminal strip combination. If it is positioned at the start or in the middle of a terminal strip, the remaining exposed part of the **IKD 2.5** should be fitted with the short **AP/IKD** (catalogue no. 2714.2). The cross-distribution of the power supply takes place at the lower and middle levels using the **QS**, **VH** and **BS** accessory products or the pre-assembled **Q** cross-connector. The pre-assembled **Q** cross-connections are available with 2 to 10 poles or 100 poles.

The **IK 2.5** and **IKD 2.5** base terminals are also available with LED status displays. The display speeds up troubleshooting and signals the switching status.

This product line covers all standard control voltages, divided into the switching types “positive switching” or “negative switching”.





Features of the IK 2.5

- Thin design (5 mm)
- Closed wire entry
- One terminal per initiator for quick and precise signal assignment
- Touch-safe protection (VBG4) without an additional cover
- Colour-coding of plus (red) and minus (blue) connections
- Additional colour-coded labelling is possible

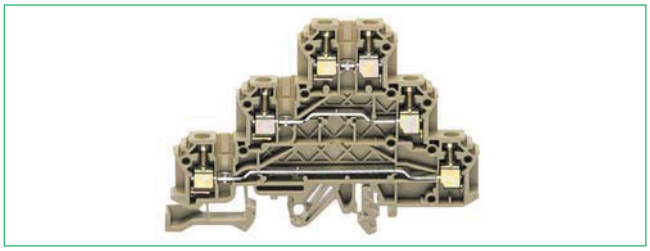
Features of the IKD 2.5

- Thin design (5 mm)
- Closed wire entry
- Switch signal and power supply can be connected
- Touch-safe protection (VBG4) without an additional cover

The IKD base terminals come in four variants:

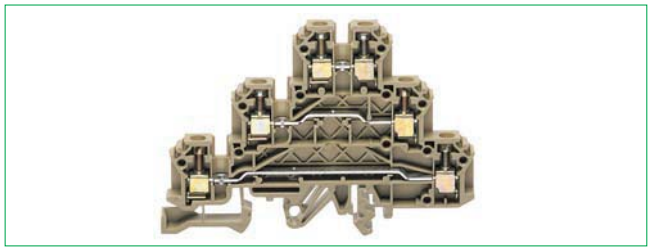
IKD 2.5

Raised-up rear wall, so cross-connection only possible on open side of terminal. Different supply voltages can be fed within one terminal combination.



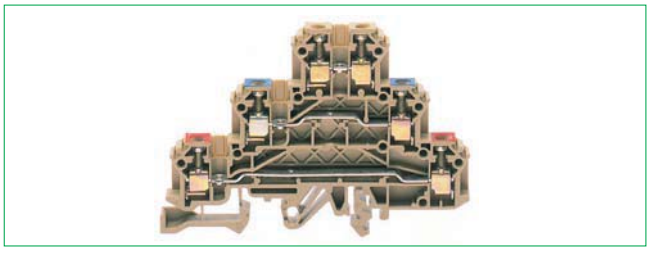
IKD 2.5/Q

Cross-connection is possible on open and closed sides of the terminal.



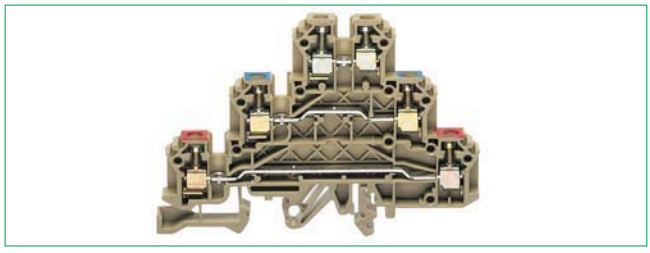
IKD 2.5/F

Raised-up rear wall, so cross-connection only possible on open side of terminal. Different supply voltages can be fed within one terminal combination. The lower level is labelled red and the middle level is labelled blue.

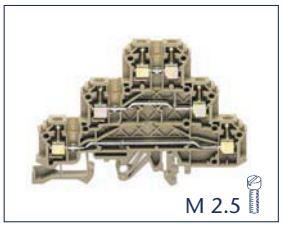
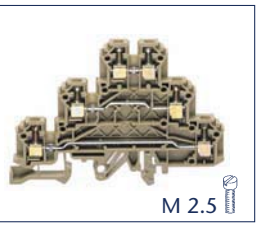
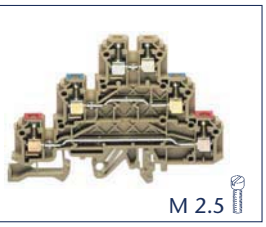
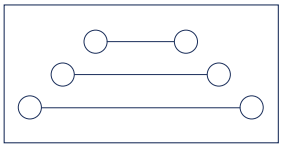
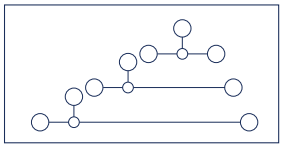
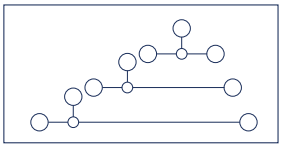


IKD 2.5/F/Q

Cross-connection is possible on open and closed sides of the terminal. The lower level is labelled red and the middle level is labelled blue.



Three-level initiator terminals IKD | IK

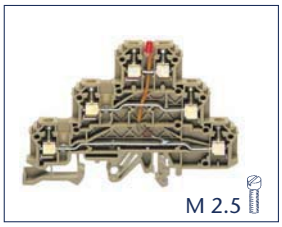
Screw connection system	IKD 2.5	IKD 2.5/Q	IKD 2.5 F
	 M 2.5	 M 2.5	 M 2.5
• Foot can be snapped on TS 32 and TS 35 DIN rails • Housing made from polyamide 6.6 UL 94-V2			
Connection diagram			
	Feed-through terminal 3x2 connections	Three-level initiator terminal, 6 connections	Three-level initiator terminal, 6 connections

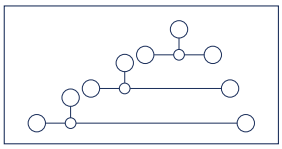
Connection type	Screw connection	Screw connection	Screw connection
Size (L x W x H) mm with TS 32 mm	84.8 x 5 x 62.8	84.8 x 5 x 62.8	84.8 x 5 x 62.8
Size (L x W x H) mm with TS 35 x 7.5 mm	84.8 x 5 x 58.3	84.8 x 5 x 58.3	84.8 x 5 x 58.3
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	IKD 2.5 BG	IKD 2.5/Q BG	IKD 2.5/F BG
Cat. no.	**1261.2** 50	**2268.2** 50	**1295.2** 50
Type colour	IKD 2.5 BU		
Cat. no.	**1261.5** 20		
Type colour			IKD 2.5/F/Q BG
Cat. no.			**2269.2** 50
Type colour			
Cat. no.			
Colours available	(2) (5)	(2)	(2)
Rated specifications acc. to	**IEC CSAus CSA**	**IEC CSAus CSA**	**IEC CSAus CSA**
Rated voltage, V	250 300 300	250 300 300	250 300 300
Rated current, A	24 20 20	24 20 20	24 20 20
Rated wire cross-section, mm² | AWG	2.5 | 22-14	2.5 | 22-14	2.5 | 22-14
Rated impulse voltage, kV | Contamination degree	4 | 3	4 | 3	4 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V2	A3 | V2	A3 | V2
Connection data			
Single wire (solid) / Stranded mm²	0.2-4 | -	0.2-4 | -	0.2-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5
Contact wire range, mm²	0.2-4	0.2-4	0.2-4
Stripping length, mm	7	7	7
Torque, Nm | Screw	0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5
Special connection, mm	-	-	-
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels |Test pick-off	3 | -	3 | -	3 | -

Accessories		Page	Qty.		Page	Qty.		Page	Qty.
End plate AP									
Cat. no.	AP 2.5/ID BG **2699.2**	278	20	AP 2.5/ID BG **2699.2**	278	20	AP 2.5/ID BG **2699.2**	278	20
End plate AP, short									
Cat. no.	AP IKD 2.5/short BG **2714.2**	278	20	AP IKD 2.5/short BG **2714.2**	278	20	AP IKD 2.5/short BG **2714.2**	278	20
Cross-connector Q									
Cat. no. 2 poles	Q 2 **2422.0**	288	50	Q 2 **2422.0**	288	50	Q 2 **2422.0**	288	50
Cross-connection rail QS									
Cat. no.	QS 2 **2417.0**	296	100	QS 2 **2417.0**	296	100	QS 2 **2417.0**	296	100
Cross-connector Q									
Cat. no. 3 poles	Q 3 **2423.0**	288	50	Q 3 **2423.0**	288	50	Q 3 **2423.0**	288	50
Cross-connection rail QS									
Cat. no.	QS 3 **2418.0**	296	100	QS 3 **2418.0**	296	100	QS 3 **2418.0**	296	100
Cross-connector Q									
Cat. no. 4 poles	Q 4 **2424.0**	288	20	Q 4 **2424.0**	288	20	Q 4 **2424.0**	288	20
Cross-connection rail QS									
Cat. no.	QS 4 **2419.0**	296	100	QS 4 **2419.0**	296	100	QS 4 **2419.0**	296	100
Cross-connector Q									
Cat. no. 10 poles	Q 10 **2425.0**	288	10	Q 10 **2425.0**	288	10	Q 10 **2425.0**	288	10
Cross-connection rail QS									
Cat. no.	QS 10 **2420.0**	296	10	QS 10 **2420.0**	296	10	QS 10 **2420.0**	296	10
Cross-connector Q									
Cat. no. 20 poles	Q 20 **2700.0**	288	10	Q 20 **2700.0**	288	10	Q 20 **2700.0**	288	10
Cross-connector Q									
Cat. no. 100 poles	Q 0.5m/100 poles **2151.0**	288	1	Q 0.5m/100 poles **2151.0**	288	1	Q 0.5m/100 poles **2151.0**	288	1
Cross-connection rail QS									
Cat. no.	QS 0.5m **2519.0**	296	1	QS 0.5m **2519.0**	296	1	QS 0.5m **2519.0**	296	1
Connecting sleeve VH									
Cat. no.	VH 5 **2327.0**	297	100	VH 5 **2327.0**	297	100	VH 5 **2327.0**	297	100
Mounting screw BS									
Cat. no.	BS M 2.5x10 **2326.0**	297	100	BS M 2.5x10 **2326.0**	297	100	BS M 2.5x10 **2326.0**	297	100
Screwdriver SDB									
Cat. no.	SDB 0.5x3,0 **1085.0**	422	1	SDB 0.5x3,0 **1085.0**	422	1	SDB 0.5x3,0 **1085.0**	422	1
Quick marking PMC SB									
Cat. no.	PMC SB 5/50 WH **4600.7**	339	500	PMC SB 5/50 WH **4600.7**	339	500	PMC SB 5/50 WH **4600.7**	339	500

More accessories starting on page 264.

IKD 2.5 NPN/LED



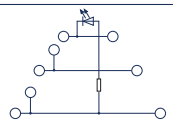
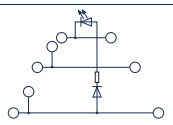


Three-level initiator terminal, 6 connections

Screw connection

84.8 x 5 x 62.8

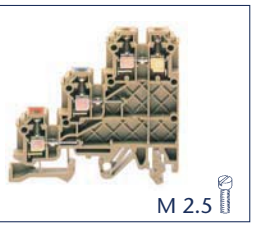
84.8 x 5 x 58.3

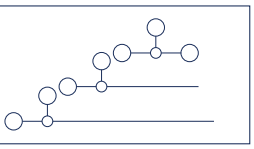
	Cat. no.	Qty.
		
IKD 2.5 NPN/DC/LED (RD)		
24 V	**1289.2**	50
48 V	**1291.2**	50
60 V	**1293.2**	50
IKD 2.5 NPN/DC/LED (GN)		
24 V	**1290.2**	50
48 V	**1292.2**	50
60 V	**1294.2**	50
		
IKD 2.5 NPN/AC/LED (RD)		
220 V	**1267.2**	50
IKD 2.5 NPN/AC/LED (GN)		
220 V	**1366.2**	50

PA 6.6 | -40 to +105°C

	Page	Qty.
AP 2.5/ID BG **2699.2**	278	20
AP IKD 2.5/short BG **2714.2**	278	20
SDB 0.5x3,0 **1085.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

IK 2.5





Three-level initiator terminal, 4 connections

Screw connection

62.8 x 5 x 62.8

62.8 x 5 x 58.3

	Qty.
IK 2.5 BG **1260.2**	100

② IEC	CSAus	CSA
250	300	300
24	20	20

2.5 | 22-14

4 | 3

A3 | V2

0.2-4 | -

0.2-4 | 0.2-2.5

0.2-4

7

0.4-0.8 | Slotted M 2.5

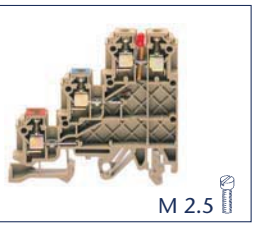
-

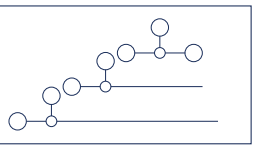
PA 6.6 | -40 to +105°C

3 | -

	Page	Qty.
AP 2.5/I BG **2698.2**	278	20
Q 2 **2422.0**	288	50
QS 2 **2417.0**	296	100
Q 3 **2423.0**	288	50
QS 3 **2418.0**	296	100
Q 4 **2424.0**	288	20
QS 4 **2419.0**	296	100
Q 10 **2425.0**	288	10
QS 10 **2420.0**	296	10
Q 20 **2700.0**	288	10
Q 0.5m/100 poles **2151.0**	288	1
QS 0.5m **2519.0**	296	1
VH 5 **2327.0**	297	100
BS M 2.5x10 **2326.0**	297	100
SDB 0.5x3,0 **1085.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

IK 2.5 PNP/LED



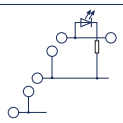
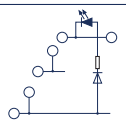


Three-level initiator terminal, 4 connections

Screw connection

62.8 x 5 x 62.8

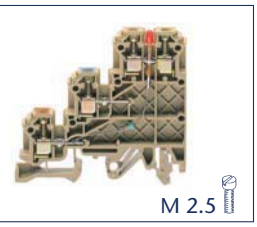
62.8 x 5 x 58.3

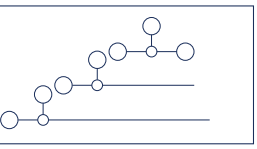
	Cat. no.	Qty.
		
IK 2.5 PNP/DC/LED (RD)		
24 V	**1262.2**	100
48 V	**1271.2**	100
60 V	**1273.2**	100
IK 2.5 PNP/DC/LED (GN)		
24 V	**1263.2**	100
48 V	**1272.2**	100
60 V	**1274.2**	100
		
IK 2.5 PNP/AC/LED (RD)		
220 V	**1275.2**	100
IK 2.5 PNP/AC/LED (GN)		
220 V	**1276.2**	100

PA 6.6 | -40 to +105°C

	Page	Qty.
AP 2.5/I BG **2698.2**	278	20
SDB 0.5x3,0 **1085.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

IK 2.5 NPN/LED



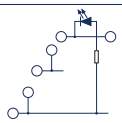
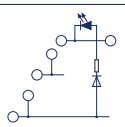


Three-level initiator terminal, 4 connections

Screw connection

62.8 x 5 x 62.8

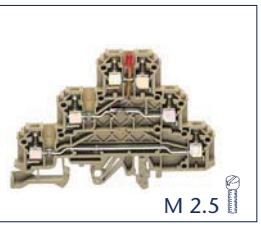
62.8 x 5 x 58.3

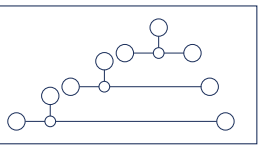
	Cat. no.	Qty.
		
IK 2.5 NPN/DC/LED (RD)		
24 V	**1264.2**	100
48 V	**1277.2**	100
60 V	**1279.2**	100
IK 2.5 NPN/DC/LED (GN)		
24 V	**1265.2**	100
48 V	**1278.2**	100
60 V	**1280.2**	100
		
IK 2.5 NPN/AC/LED (RD)		
220 V	**1281.2**	100
IK 2.5 NPN/AC/LED (GN)		
220 V	**1282.2**	100

PA 6.6 | -40 to +105°C

	Page	Qty.
AP 2.5/I BG **2698.2**	278	20
SDB 0.5x3,0 **1085.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

IKD 2.5 PNP/LED



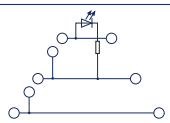
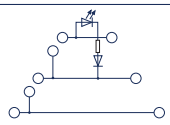


Three-level initiator terminal, 6 connections

Screw connection

84.8 x 5 x 62.8

84.8 x 5 x 58.3

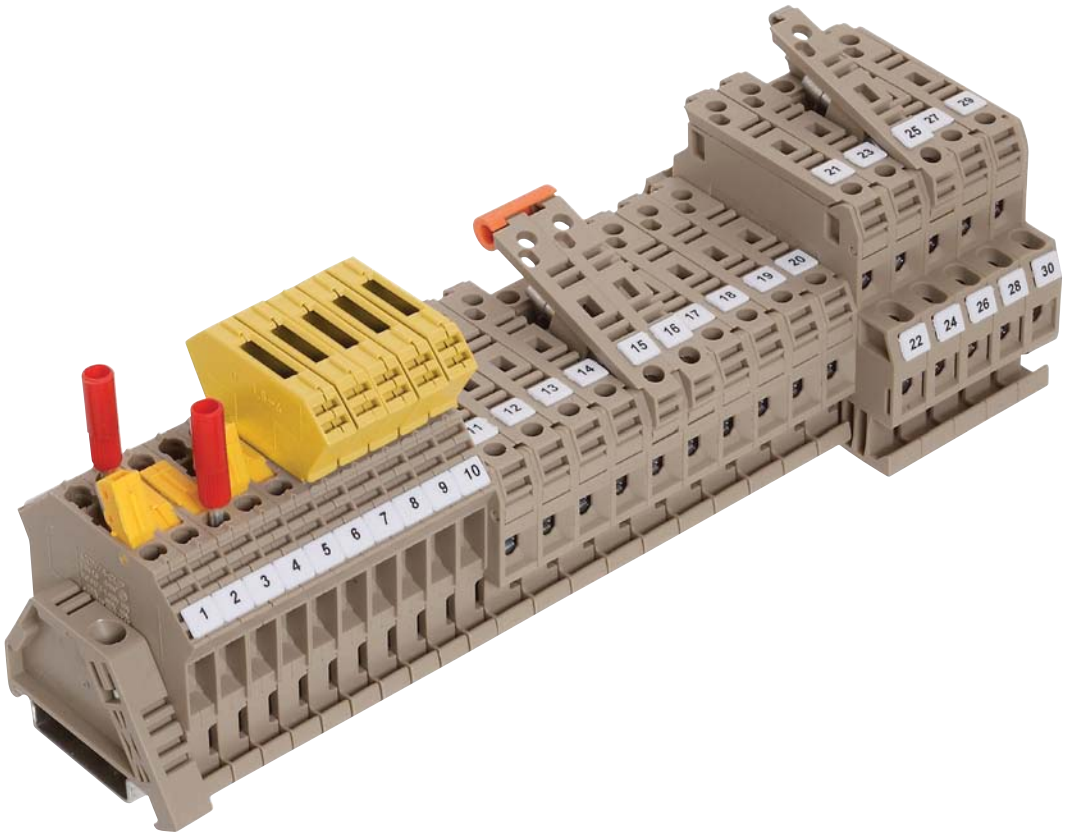
	Cat. no.	Qty.
		
IKD 2.5 PNP/DC/LED (RD)		
24 V	**1283.2**	50
48 V	**1285.2**	50
60 V	**1287.2**	50
IKD 2.5 PNP/DC/LED (GN)		
24 V	**1284.2**	50
48 V	**1286.2**	50
60 V	**1288.2**	50
		
IKD 2.5 PNP/AC/LED (RD)		
220 V	**1266.2**	50
IKD 2.5 PNP/AC/LED (GN)		
220 V	**1299.2**	50

PA 6.6 | -40 to +105°C

	Page	Qty.
AP 2.5/ID BG **2699.2**	278	20
AP IKD 2.5/short BG **2714.2**	278	20
SDB 0.5x3,0 **1085.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

Disconnect terminals TRK/STK 2/TK

Disconnect terminals are commonly used within measurement and control systems. They provide assistance when troubleshooting in electrical facilities, when commissioning new facilities and when revising old facilities. These series come with a combi-foot for installation on a **TS 32/TS 35** rails or with a snap-on foot for the **TS 15** DIN rail.



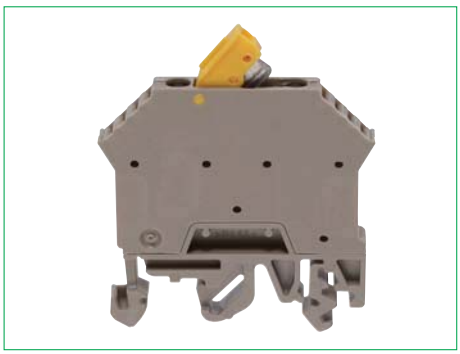
Disconnect terminals TRK/STK 2/TK

Different versions | Features

The **TRK 1.5** (disconnect-blade terminal) and the **TRK 1.5/DS** (disconnect plug) variants are both available.

Features of the TRK 1.5/TRK 1.5 DS

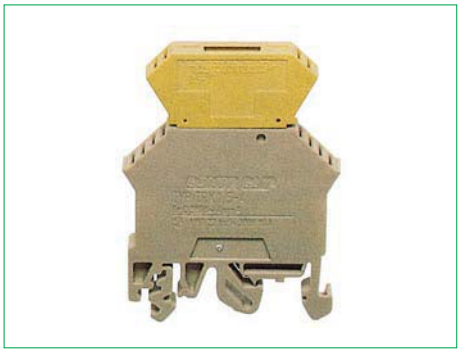
- Same construction as the standard terminal blocks
- A sturdy, closed insulation housing
- The established disconnect-blade with high-quality surfaces
- Minimal and stable level of contact resistance
- Touch-safe protection also during the disconnect process



The **TRK 1.5/STB** and **TRK 1.5/ 15/STB** versions offer the advantage of pre-assembled socket plugs instead of terminal screws. Without any additional accessories, these disconnect terminals feature a test pick-off to be used for speedier troubleshooting or as a measurement pick-off for comparing standardized signals.

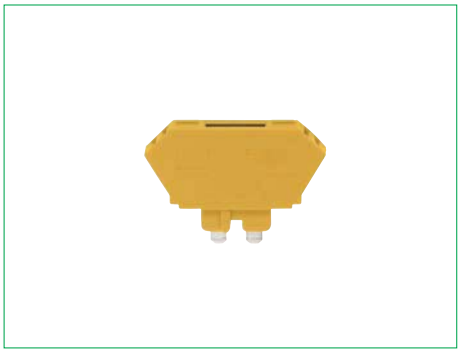
Features of the TRK 1.5/STB and TRK 1.5/15/STB

- Same construction as the standard terminal blocks
- A sturdy, closed insulation housing
- The established disconnect-blade with high-quality surfaces
- Minimal and stable level of contact resistance
- Touch-safe protection also during the disconnect process
- Test pick-off



Disconnect plugs and diode plugs for the **TRK 1.5/DS** disconnect terminals are available separately in four versions.

Disconnect plug without circuitry
DS 1-TRK 1.5 (**Cat. no.. 1403.2**)
Disconnect-plug with wire jumper
DS 1-TRK 1.5 (**Cat. no.. 1400.2**)
Disconnect plug with diode in blocking direction
DS 1-TRK 1.5 (**Cat. no.. 1401.2**)
Disconnect plug with diode in pass-though direction
DS 1-TRK 1.5 (**Cat. no.. 1402.2**)

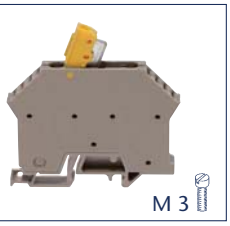
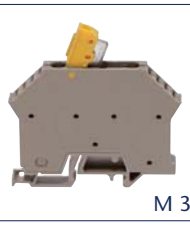
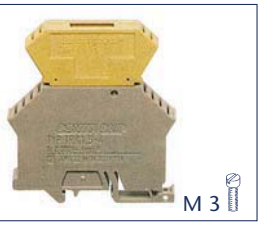
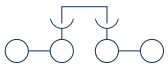


The **TK 2** and **STK 2.../K** series feature a hinged lever for disconnecting. The lever comes with a contact sleeve.

Features of the TK 2/STK 2.../K

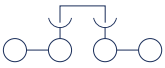
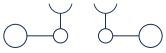
- Same construction as the standard terminal blocks
- hinged lever latches into fully open position.
- Disconnect terminals can be used as fuse-disconnect terminals by removing the contact ferrules.

Disconnect terminals TRK

Screw connection system	TRK 1.5/15	TRK 1.5/15 STB	TRK 1.5/15 DS
			
• Foot can be snapped on TS 15, TS 32 and TS 35 DIN rails • Housing made from Polyamide 6.6 UL 94-V2			
Connection diagram			
	Disconnect terminal 2 connections	Disconnect terminal 2 connections	Disconnect terminal 2 connections

Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Size (L x W x H) mm with TS 15 mm	48 x 6 x 38.3	48 x 6 x 38.3	48 x 6 x 56.3
Size (L x W x H) mm with TS 32 mm			
Size (L x W x H) mm with TS 35 x 7.5 mm			
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	TRK 1.5/15 BG		TRK 1.5/15/DS BG
Cat. no.	**1392.2** 100		**1396.2** 50
Type colour	TRK 1.5/15 BU		
Cat. no.	**1392.5** 100		
Type 2 socket plugs colour		TRK 1.5/15/STB BG	TRK 1.5/15/STB/DS BG
Cat. no.		**1393.2** 100	**1397.2** 50
Type 2 socket plugs colour		TRK 1.5/15/STB BU	
Cat. no.		**1393.5** 100	
Colours available	(2) (5)	(2) (5)	(2)
Rated specifications acc. to	**IEC UL cUL**	**IEC UL cUL**	**IEC UL cUL**
Rated voltage, V	400 600 600	400 600 600	400 600 600
Rated current, A	10 15 15	10 15 15	10 15 15
Rated wire cross-section, mm² | AWG	2.5 | 22-12	2.5 | 22-12	2.5 | 22-12
Rated impulse voltage, kV | Contamination degree	4 | 3	4 | 3	4 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A4 | V2	A4 | V2	A4 | V2
Connection data			
Single wire (solid) / Stranded mm²	0.2-4 | -	0.2-4 | -	0.2-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5
Contact wire range, mm²	0.2-4	0.2-4	0.2-4
Stripping length, mm	8	8	8
Torque, Nm | Screw	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3
Special connection, mm	-	-	-
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels |Test pick-off	- | -	- | 2	- | -
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Test plug PS	PS 2,3	PS 2,3	PS 2,3
Cat. no.	**2007.0** 317 20	**2007.0** 317 20	**2007.0** 317 20
External insulated cross-connection AQI 2 poles	AQI 4/6/11 YE	AQI 4/6/11 YE	AQI 4/6/11 YE
Cat. no.	**2064.0** 293 50	**2064.0** 293 50	**2064.0** 293 50
External insulated cross-connection AQI 3 poles	AQI 3/6/17 YE	AQI 3/6/17 YE	AQI 3/6/17 YE
Cat. no.	**2065.0** 293 50	**2065.0** 293 50	**2065.0** 293 50
External insulated cross-connection AQI 4 poles	AQI 4/6/17 YE	AQI 4/6/17 YE	AQI 4/6/17 YE
Cat. no.	**2066.0** 293 50	**2066.0** 293 50	**2066.0** 293 50
Disconnect-plug with wire jumper			DS 1/TRK 1.5 YE
Cat. no.			**1400.2** 323 1
Disconnect-plug with diode 1N4007/1A			DS 2/TRK 1.5 YE
Cat. no.			**1401.2** 323 1
Disconnect-plug with diode 1N4007/1A			DS 3/TRK 1.5 YE
Cat. no.			**1402.2** 323 1
Disconnect plug without circuitry			DS 4/TRK 1.5 YE
Cat. no.			**1403.2** 323 1
End stop ES	ES 15 BG	ES 15 BG	ES 15 BG
Cat. no.	**2074.2** 275 50	**2074.2** 275 50	**2074.2** 275 50
Screwdriver SDB	SDB 0.6x3.5	SDB 0.6x3.5	SDB 0.6x3.5
Cat. no.	**1086.0** 422 1	**1086.0** 422 1	**1086.0** 422 1
Quick marking PMC SB	PMC SB 6/50 WH	PMC SB 6/50 WH	PMC SB 6/50 WH
Cat. no.	**4702.7** 340 500	**4702.7** 340 500	**4702.7** 340 500

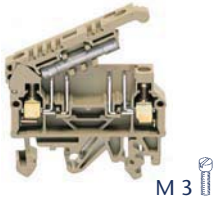
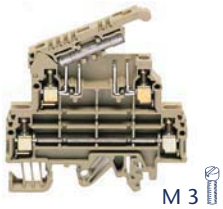
More accessories starting on page 264.

TRK 1.5	TRK 1.5/STB	TRK 1.5/DS	TRK 1.5	
				
Disconnect terminal 2 connections	Disconnect terminal 2 connections	Disconnect terminal 2 connections	Disconnect terminal 2 connections	
Screw connection	**Screw connection**	**Screw connection**	**Screw connection**	
48 x 6 x 52.8 48 x 6 x 48.3	48 x 6 x 52.8 48 x 6 x 48.3	48 x 6 x 70 48 x 6 x 65	48 x 6 x 70 48 x 6 x 65	
Qty.	**Qty.**	**Qty.**	**Qty.**	
TRK 1.5 BG **1390.2** 100 TRK 1.5 BU **1390.5** 100		TRK 1.5/DS BG **1394.2** 50	TRK 1.5 BG **1398.2** 100	
	TRK 1.5/STB BG **1391.2** 100 TRK 1.5/STB BU **1391.5** 100	TRK 1.5/STB/DS BG **1395.2** 50	TRK 1.5/STB BG **1399.2** 100	
.2 .5 .3	.2 .5	.2	.2	
IEC 400 10	**IEC** 400 10	**IEC** 400 10	**IEC** 400 10	
UL 600 15	**UL** 600 15	**UL** 600 15	**UL** 600 15	
cUL 600 15	**cUL** 600 15	**cUL** 600 15	**cUL** 600 15	
2.5 | 22-12	2.5 | 22-12	2.5 | 22-12	2.5 | 22-12	
4 | 3	4 | 3	4 | 3	4 | 3	
A4 | V2	A4 | V2	A4 | V2	A4 | V2	
0.2-4 | -	0.2-4 | -	0.2-4 | -	0.2-4 | -	
0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	
0.2-4	0.2-4	0.2-4	0.2-4	
8	8	8	8	
0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3	
-	-	-	-	
PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	
- | -	- | 2	- | -	- | -	
Page **Qty.**	**Page** **Qty.**	**Page** **Qty.**	**Page** **Qty.**	
PS 2,3 **2007.0** 317 20	PS 2,3 **2007.0** 317 20	PS 2,3 **2007.0** 317 20	PS 2,3 **2007.0** 317 20	
AQI 4/6/11 YE **2064.0** 293 50	AQI 4/6/11 YE **2064.0** 293 50	AQI 4/6/11 YE **2064.0** 293 50	AQI 4/6/11 YE **2064.0** 293 50	
AQI 3/6/17 YE **2065.0** 293 50	AQI 3/6/17 YE **2065.0** 293 50	AQI 3/6/17 YE **2065.0** 293 50	AQI 3/6/17 YE **2065.0** 293 50	
AQI 4/6/17 YE **2066.0** 293 50	AQI 4/6/17 YE **2066.0** 293 50	AQI 4/6/17 YE **2066.0** 293 50	AQI 4/6/17 YE **2066.0** 293 50	
		DS 1/TRK 1.5 YE **1400.2** 323 1	DS 1/TRK 1.5 YE **1400.2** 323 1	
		DS 2/TRK 1.5 YE **1401.2** 323 1	DS 2/TRK 1.5 YE **1401.2** 323 1	
		DS 3/TRK 1.5 YE **1402.2** 323 1	DS 3/TRK 1.5 YE **1402.2** 323 1	
		DS 4/TRK 1.5 YE **1403.2** 323 1	DS 4/TRK 1.5 YE **1403.2** 323 1	
ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	
SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	
PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	

Disconnect terminals STK | TK

Screw connection system

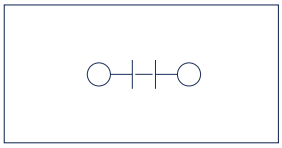
- Foot can be snapped on TS 15, TS 32 and TS 35 DIN rails
- Housing made from polyamide 6.6 UL 94-V2

	STK 2/15/K	STK 2/K	STKD 1/K
	M 3	 M 3	 M 3
Connection diagram			
	Disconnect terminal 2 connections	Disconnect terminal 2 connections	Disconnect terminal 2+2 connections
Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Size (L x W x H) mm with TS 15 mm	49 x 8 x 34		
Size (L x W x H) mm with TS 32 mm		49 x 8 x 43,3	67 x 8 x 60
Size (L x W x H) mm with TS 35 x 7.5 mm		49 x 8 x 39	67 x 8 x 55,5
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	STK 2/15/K BG [1]	STK 2/K BG [1]	STKD 1/K BG [1]
Cat. no.	**1382.2** 100	**1381.2** 100	**1383.2** 50
Type colour	STK 2/15/K BU [1]	STK 2/K BU [1]	STKD 1/K BU [1]
Cat. no.	**1382.5** 100	**1381.5** 100	**1383.5** 50
Type Two colour			
Cat. no.			
Type Two colour			
Cat. no.			
Colours available	.2 .5	.2 .5	.2 .5
Rated specifications acc. to	**IEC**	**IEC**	**IEC**
Rated voltage, V	500	500	500
Rated current, A	6.3	6.3	6.3
Rated wire cross-section, mm² | AWG	4 | 22-12	4 | 22-12	4 | 22-12
Rated impulse voltage, kV | Contamination degree	6 | 3	6 | 3	6 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A4 | V2	A4 | V2	A4 | V2
Connection data			
Single wire (solid) / Stranded mm²	0.2-4 | -	0.2-4 | -	0.2-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5
Contact wire range, mm²	0.2-4	0.2-4	0.2-4
Stripping length, mm	9	9	9
Torque, Nm | Screw	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3
Special connection, mm	-	-	-
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels |Test pick-off	- | -	- | -	- | -
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
End plate AP	AP/SI-2 BG	AP/SI-2 BG	AP/SID -1 BG
Cat. no.	**2186.2** 278 50	**2186.2** 278 50	**2187.2** 278 20
External insulated cross-connection AQI 2 poles	AQI 2/8/11 YE	AQI 2/8/11 YE	AQI 2/8/11 YE
Cat. no.	**2067.0** 293 50	**2067.0** 293 50	**2067.0** 293 50
External insulated cross-connection AQI 3 poles	AQI 3/8/11 YE	AQI 3/8/11 YE	AQI 3/8/11 YE
Cat. no.	**2068.0** 293 50	**2068.0** 293 50	**2068.0** 293 50
External insulated cross-connection AQI 4 poles	AQI 4/8/11 YE	AQI 4/8/11 YE	AQI 4/8/11 YE
Cat. no.	**2069.0** 293 50	**2069.0** 293 50	**2069.0** 293 50
solid link KH	KH 5	KH 5	KH 5
Cat. no.	**2470.0** 66 1	**2470.0** 66 1	**2470.0** 66 1
End stop ES	ES 15 BG	ES 35/K/ST BG	ES 35/K/ST BG
Cat. no.	**2074.2** 275 50	**2828.0** 274 50	**2828.0** 274 50
Screwdriver SDB	SDB 0.6x3.5	SDB 0.6x3.5	SDB 0.6x3.5
Cat. no.	**1086.0** 422 1	**1086.0** 422 1	**1086.0** 422 1
Quick marking PMC SB	PMC SB 8/40 WH	PMC SB 8/40 WH	PMC SB 8/40 WH
Cat. no.	**9323.7** 342 400	**9323.7** 342 400	**9323.7** 342 400

More accessories starting on page 264.

[1] with solid link

TK 2/15 K



Disconnect terminal
2 connections

Screw connection

57,5 x 8 x 38,5

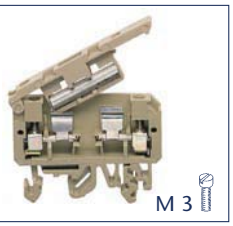
	Qty.
TK 2/15/K BG [1] **2194.2**	100
TK 2/15/K BU [1] **2194.5**	100

.2 .5

IEC	UL
300	600
15	16
4 | 22-12	
6 | 3	
A4 | V2	
0.2-4 | -	
0.2-4 | 0.2-2.5	
0.2-4	
9	
0.5-1.0 | Slotted M 3	
-	
PA 6.6 | -40 to +105°C	
- | -	

	Page	Qty.
AP SI-1 BG **2046.2**	278	50
AQI 2/8/11 YE **2067.0**	293	50
AQI 3/8/11 YE **2068.0**	293	50
AQI 4/8/11 YE **2069.0**	293	50
KH 5 **2470.0**	66	1
ES 15 BG **2074.2**	275	50
SDB 0.6x3.5 **1086.0**	422	1
PMC SB 8/40 WH **9323.7**	342	400

TK 2/K



Disconnect terminal
2 connections

Screw connection

57,5 x 8 x 45,5
57,5 x 8 x 41

	Qty.
TK 2/K BG [1] **2193.2**	100
TK 2/K BU [1] **2193.5**	100

.2 .5

IEC	UL
300	600
15	16
4 | 22-12	
6 | 3	
A4 | V2	
0.2-4 | -	
0.2-4 | 0.2-2.5	
0.2-4	
9	
0.5-1.0 | Slotted M 3	
-	
PA 6.6 | -40 to +105°C	
- | -	

	Page	Qty.
AP SI-1 BG **2046.2**	278	50
AQI 2/8/11 YE **2067.0**	293	50
AQI 3/8/11 YE **2068.0**	293	50
AQI 4/8/11 YE **2069.0**	293	50
KH 5 **2470.0**	66	1
ES 35/K/ST BG **2828.0**	274	50
SDB 0.6x3.5 **1086.0**	422	1
PMC SB 8/40 WH **9323.7**	342	400

[1] with solid link

Test-disconnect terminals PTK

Test-disconnect terminals are mostly used in the sectors of electricity generation and supply. They are tailored to the variety of switching demands for current-converter secondary circuits that predominate in these sectors. Current transformers must always have a secondary circuit when electricity meters and measuring instruments are being replaced, or when making comparative measurements.

CONTA-CLIP test-disconnect terminals are available in the following three basic versions, each with or without a pre-assembled socket plug.

All versions provide touch-safe protection according to **VBG 4**. A captive sliding partition is used to separate the current and voltage paths. The switch position is always easy to detect since the disconnect screw has a yellow insulating sleeve.

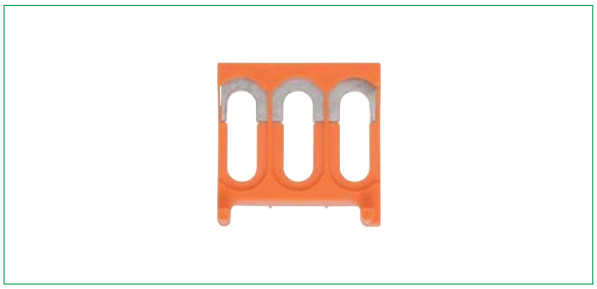
The **STB 14/4** sockets plugs for a test pick-off can be attached to all versions using the **PS 4** test plug.

Test-disconnect terminals PTK

The features in detail

Cross-switches QVS

The **VH 19** connecting sleeves and the **BS 25** screws or the **STB 35** socket plugs are required for fastening the **QVS** cross-switch bridge. The screws and socket plugs are available with or without coloured labelling.



Cross-switches QSB

The **QSB**s are positioned inside of the terminal block combination. They establish contact over the sliding partition.

Socket plugs STB 35

The **STB 35** socket plugs are used in the test-disconnect terminals for holding the **PS 4** test plug or the **KSS 2-8** short-circuit plug. The **STB 35** socket plugs can also be used when you need to test at the same time that a **QVS** is attached.

Socket plugs STB 14/4

The **STB 14/4** socket plugs can be screwed into the cross-connection channel. The are used to hold the **PS 4** test plugs or the **KSS 2-8** short-circuit plugs.

Test plug PS 4

The **PS 4** test plugs are used for the final testing of already-wired test circuits.

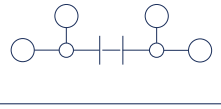
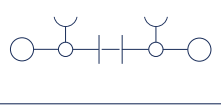
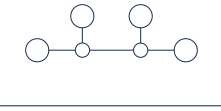
Short-circuit plug KSS 2-8

A cross-connection between two PTK terminals can be established with the **KSS 2-8** short-circuit plug.

Test-disconnect terminals PTK

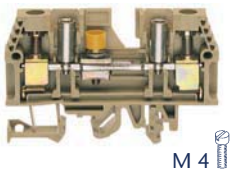
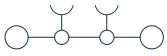
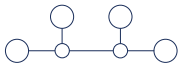
Screw connection system

- Foot can be snapped on TS 32 and TS 35 DIN rails
- Housing made from polyamide 6.6 UL 94-V2

	PTK 10/LT	PTK 10/LT/STB	PTK 10/QT
	M 4	M 4	M 4
Connection diagram			
	Disconnect terminal 2 connections	Disconnect terminal 2 connections	Disconnect terminal 2 connections
Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Size (L x W x H) mm with TS 32 mm	72 x 8 x 51.5	72 x 8 x 51.5	72 x 8 x 51.5
Size (L x W x H) mm with TS 35 x 7.5 mm	72 x 8 x 47	72 x 8 x 47	72 x 8 x 47
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	PTK 10/LT BG	PTK 10/LT/STB BG [1]	PTK 10/QT BG
Cat. no.	**1130.2** 50	**1131.2** 50	**1132.2** 100
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	(2)	(2)	(2)
Rated specifications acc. to	**IEC / CSAus / CSA**	**IEC / CSAus / CSA**	**IEC / CSAus / CSA**
Rated voltage, V	400 / 600 / 600	400 / 600 / 600	400 / 600 / 600
Rated current, A	10 / 45 / 45	10 / 45 / 45	10 / 45 / 45
Rated wire cross-section, mm² | AWG	4 | 22-8	4 | 22-8	4 | 22-8
Rated impulse voltage, kV | Contamination degree	4 | 3	4 | 3	4 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A5 | V2	A5 | V2	A5 | V2
Connection data			
Single wire (solid) / Stranded mm²	0.2-10 | -	0.2-10 | -	0.2-10 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-10 | 0.2-10	0.2-10 | 0.2-10	0.2-10 | 0.2-10
Contact wire range, mm²	0.2-10	0.2-10	0.2-10
Stripping length, mm	12	12	12
Torque, Nm | Screw	1.2-2.0 | Slotted M 4	1.2-2.0 | Slotted M 4	1.2-2.0 | Slotted M 4
Special connection, mm	-	2 x test sockets, 4 mm	-
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels |Test pick-off	2 | -	- | 2	2 | -
Accessories	**Page / Qty.**	**Page / Qty.**	**Page / Qty.**
End plate AP	AP/L/Q/D BG	AP/L/Q/D BG	AP/L/Q/D BG
Cat. no.	**2782.2** 278 20	**2782.2** 278 20	**2782.2** 278 20
Insulation plate TRS	TRS 1 BG	TRS 1 BG	TRS 1 BG
Cat. no.	**2003.2** 316 100	**2003.2** 316 100	**2003.2** 316 100
Test plug PS	PS 4	PS 4	PS 4
Cat. no.	**2051.0** 317 20	**2051.0** 317 20	**2051.0** 317 20
Cross-switch bridge QSB			QSB 2
Cat. no.			**2783.0** 327 20
Cross-switch bridge QSB			QSB 3
Cat. no.			**2784.0** 327 20
Cross-switch bridge QSB			QSB 4
Cat. no.			**2785.0** 327 20
Insulated cross-connection QI 2 poles	QI 2 YE		QI 2 YE
Cat. no.	**2750.2** 289 50		**2750.2** 289 50
Insulated cross-connection QI 3 poles	QI 3 YE		QI 3 YE
Cat. no.	**2751.2** 289 50		**2751.2** 289 50
Insulated cross-connection QI 4 poles	QI 4 YE		QI 4 YE
Cat. no.	**2752.2** 289 50		**2752.2** 289 50
Insulated cross-connection QI 10 poles	QI 10 YE		QI 10 YE
Cat. no.	**2753.2** 289 50		**2753.2** 289 50
Connecting sleeve VH	VH 19		VH 19
Cat. no.	**2238.0** 327 50		**2238.0** 327 50
Short-circuit plug KSS	KSS 2-8	KSS 2-8	KSS 2-8
Cat. no.	**2886.0** 327 10	**2886.0** 327 10	**2886.0** 327 10
End stop ES	ES 35/K/ST BG	ES 35/K/ST BG	ES 35/K/ST BG
Cat. no.	**2828.0** 274 50	**2828.0** 274 50	**2828.0** 274 50
Screwdriver SDB	SDB 0,8x4,0	SDB 0,8x4,0	SDB 0,8x4,0
Cat. no.	**1087.0** 422 1	**1087.0** 422 1	**1087.0** 422 1
Quick marking PMC SB	PMC SB 8/40 WH	PMC SB 8/40 WH	PMC SB 8/40 WH
Cat. no.	**9323.7** 342 400	**9323.7** 342 400	**9323.7** 342 400

More accessories starting on page 264.

1) with socket plug

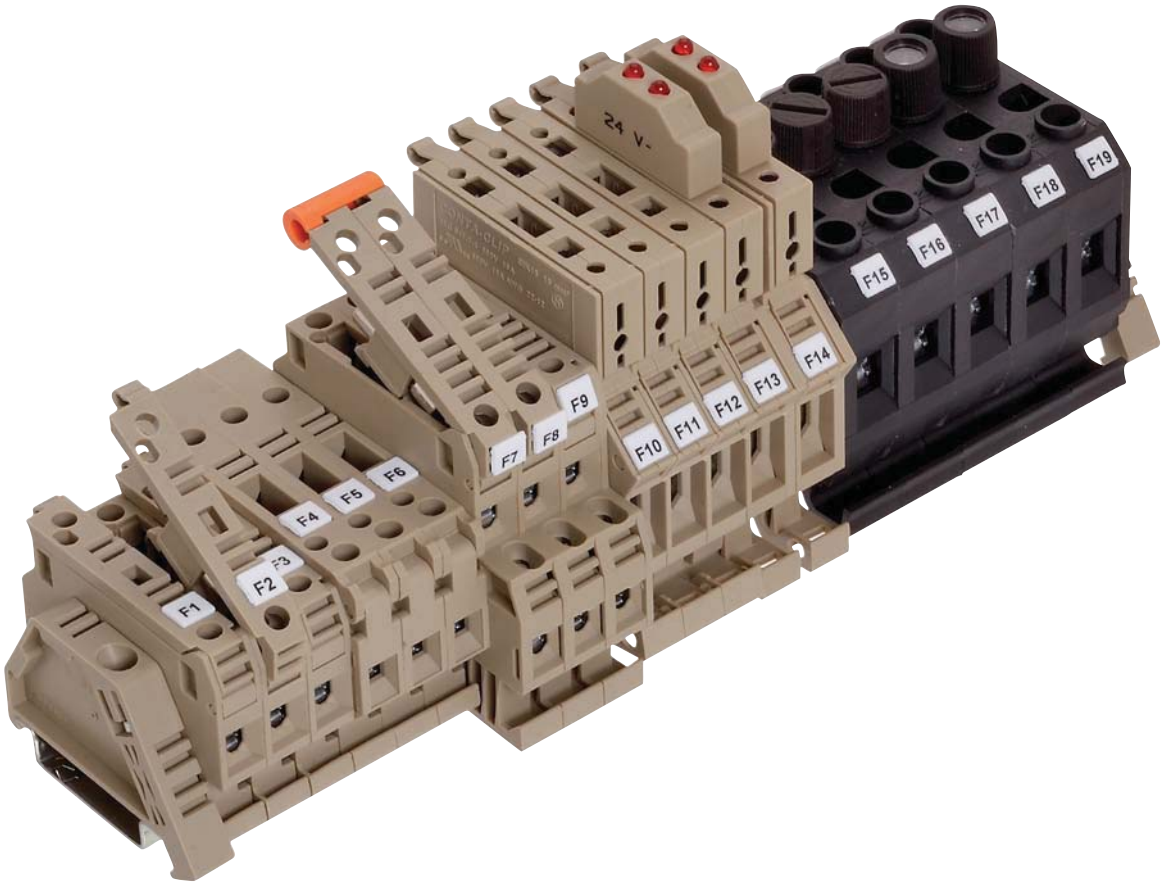
PTK 10/QT/STB	PTK 10/DU	PTK 10/DU/STB		
 M 4	M 4	M 4		
				
Disconnect terminal 2 connections	Disconnect terminal 2 connections	Disconnect terminal 2 connections		
Screw connection	**Screw connection**	**Screw connection**		
72 x 8 x 51.5	72 x 8 x 51.5	72 x 8 x 51.5		
72 x 8 x 47	72 x 8 x 47	72 x 8 x 47		
Qty.	**Qty.**	**Qty.**		
PTK 10/QT/STB BG [1] **1133.2** 50	PTK 10/DU BG **1134.2** 50	PTK 10/DU/STB BG [1] **1135.2** 50		
(2)	(2)	(2)		
IEC **CSAus** **CSA**	**IEC** **CSAus** **CSA**	**IEC** **CSAus** **CSA**		
400 600 600	400 600 600	400 600 600		
10 45 45	10 45 45	10 45 45		
4 | 22-8	4 | 22-8	4 | 22-8		
4 | 3	4 | 3	4 | 3		
A5 | V2	A5 | V2	A5 | V2		
0.2-10 | -	0.2-10 | -	0.2-10 | -		
0.2-10 | 0.2-10	0.2-10 | 0.2-10	0.2-10 | 0.2-10		
0.2-10	0.2-10	0.2-10		
12	12	12		
1.2-2.0 | Slotted M 4	1.2-2.0 | Slotted M 4	1.2-2.0 | Slotted M 4		
2 x test sockets, 4 mm	-	2 x test sockets, 4 mm		
PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C		
- | 2	2 | -	- | 2		

	Page	Qty.		Page	Qty.		Page	Qty.
AP/L/Q/D BG **2782.2**	278	20	AP/L/Q/D BG **2782.2**	278	20	AP/L/Q/D BG **2782.2**	278	20
TRS 1 BG **2003.2**	316	100	TRS 1 BG **2003.2**	316	100	TRS 1 BG **2003.2**	316	100
PS 4 **2051.0**	317	20	PS 4 **2051.0**	317	20	PS 4 **2051.0**	317	20
QSB 2 **2783.0**	327	20						
QSB 3 **2784.0**	327	20						
QSB 4 **2785.0**	327	20						
			QI 2 YE **2750.2**	289	50			
			QI 3 YE **2751.2**	289	50			
			QI 4 YE **2752.2**	289	50			
			QI 10 YE **2753.2**	289	50			
			VH 19 **2238.0**	327	50			
KSS 2-8 **2886.0**	327	10	KSS 2-8 **2886.0**	327	10	KSS 2-8 **2886.0**	327	10
ES 35/K/ST BG **2828.0**	274	50	ES 35/K/ST BG **2828.0**	274	50	ES 35/K/ST BG **2828.0**	274	50
SDB 0,8x4,0 **1087.0**	422	1	SDB 0,8x4,0 **1087.0**	422	1	SDB 0,8x4,0 **1087.0**	422	1
PMC SB 8/40 WH **9323.7**	342	400	PMC SB 8/40 WH **9323.7**	342	400	PMC SB 8/40 WH **9323.7**	342	400

1) with socket plug

Fuse-disconnect terminals STK/SIK | Fused terminals SK

According to the the applicable VDE regulations, you must protect electrical facilities, machinery and devices with cable or device fusing. **CONTA-CLIP** offers a variety of product lines to help you meet these requirements.



Fuse-disconnect terminals STK/SIK | Fused terminals SK

Different versions | Features

Fuse-disconnect terminal SIK 10/SIK 10/Z

The fuse-disconnect terminals features a hinged hinged lever that can be locked into its open position for supporting the micro-fuse. The terminals are available in variants with or without a status display.

Features of the SIK 10/SIK 10/Z

- Combi-foot can snap on to **TS 32/TS 35** rails
- Connection cross-section up to 10 mm²
- **SIK 10** holds fuses (5 x 20/5 x 25/5 x 30)
- **SIK 10 Z** holds fuses (6.3 x 32/6.3 x 25)
- Two or three disconnect levers can be coupled and operated simultaneously by using the **VBS** connection sleeves
- The status display can be snapped on retroactively
- Can be used with solid link as disconnect terminal

Fuse-disconnect terminal STK 1/STK 2

The **STK 1** and the **STK 2** fuse-disconnect terminals feature a compact shape so they take up minimal space. The hinged hinged lever is used to hold the fuse and locks into its open position. LED status displays are available for a variety of voltage ranges.

Features of the STK 1/STK 2

- Combi-foot snaps on to **TS 35/TS 32** or mounting foot for the **TS 15** rail
- Connection cross-section up to 4 mm²
- **STK1** and **STK2** hold fuses (5 x 20/5 x 25)
- Compact design
- Can be used with solid link as disconnect terminal

Fused terminal SK 1

The SK 1 fused terminals with screw cap are designed for micro-fuses that are 5 x 20-sized (without indicator) and 5 x 25-sized (with indicator).
Fuses are screwed into the fused terminal via the screw cap. Status displays using LEDs, neon indicator lamps or glow lamps are available for a wide variety of voltage ranges.

Features of SK 1

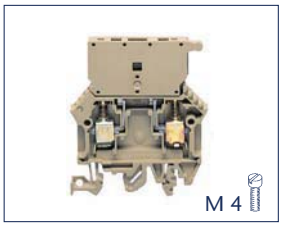
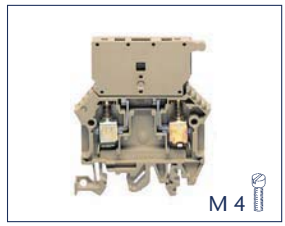
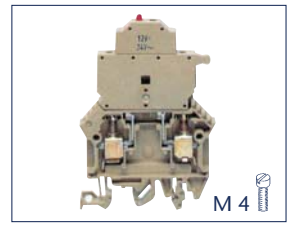
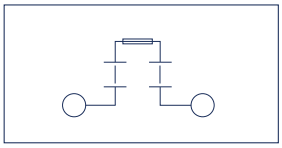
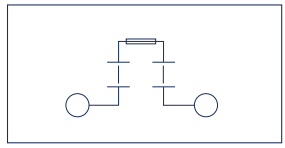
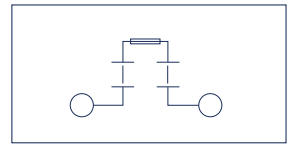
- Terminal housing **PA 6.6 UL 94-V0** glass-fibre reinforced
- High continuous-use temperature range
- Fuses are screwed into the fused terminal via the screw cap
- Fused terminals are available with status displays for a variety of voltage ranges

Fuse-disconnect terminals SIK

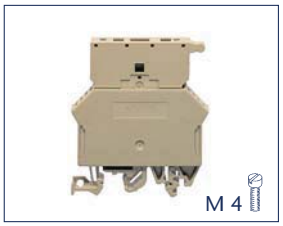
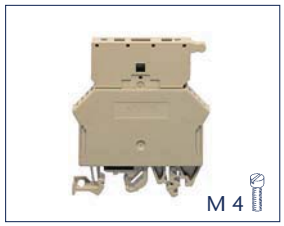
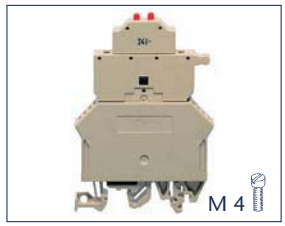
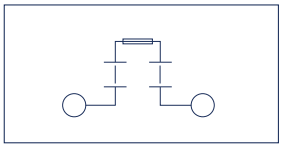
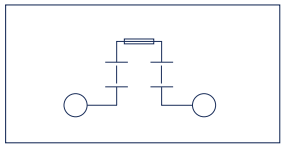
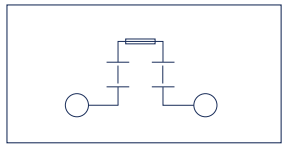
Screw connection system

- Foot can be snapped on TS 32 and TS 35 DIN rails
- Housing made from polyamide 6.6 UL 94-V2

Connection diagram

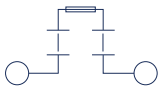
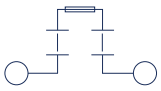
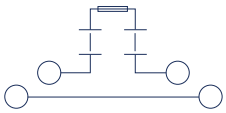
	SIK 10	SIK 10/ST	SIK 10/LED
	 M 4	 M 4	 M 4
			
	Fuse-disconnect terminal 2 connections/hinged lever	Fuse-disconnect terminal 2 connections/disconnect-plug	Fuse-disconnect terminal 2 connections/hinged lever
Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Size (L x W x H) mm with TS 32 mm	60 x 8 x 73	60 x 8 x 73	60 x 8 x 87
Size (L x W x H) mm with TS 35 x 7.5 mm	60 x 8 x 69	60 x 8 x 69	60 x 8 x 83
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	SIK 10 BG	SIK 10/ST BG	SIK 10/LED (RD) BG
Cat. no.	**1101.2** 50	**17042.2** 25	**1103.2** 12V DC/24V AC 25
Type colour	SIK 10 BU		SIK 10/LED (RD) BG
Cat. no.	**1101.5**		**1104.2** 20-30V DC/40-60V AC 25
Type colour			SIK 10/LED (RD) BG
Cat. no.			**1105.2** 40-60V DC/80-120V AC 25
Type colour			SIK 10/LED (RD) BG
Cat. no.			**1106.2** 115V DC/230 V AC 25
Type/colour			SIK 10/2 LEDs (RD) BG
Cat. no.			**1107.2** 24 V DC 25
Colours available	.2 .5	.2	.2
Rated specifications acc. to	**IEC / UL / cUL**	**IEC / UL / cUL**	**IEC / UL / cUL**
Rated voltage, V	500 / 600 / 600	500 / 600 / 600	See above
Rated current, A	10 / 10 / 10	10 / 10 / 10	10 / 10 / 10
Rated wire cross-section, mm² | AWG	10 | 22-12	10 | 22-12	10 | 22-12
Rated impulse voltage, kV | Contamination degree	8 | 3	8 | 3	8 | 3
Max. power loss on fuse, W	1.6	1.6	1.6
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A4 | V2	A4 | V2	A4 | V2
Connection data			
Single wire (solid) / Stranded mm²	0.2-10 | -	0.2-10 | -	0.2-10 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-10 | 0.2-10	0.2-10 | 0.2-10	0.2-10 | 0.2-10
Contact wire range, mm²	0.2-10	0.2-10	0.2-10
Stripping length, mm	12	12	12
Torque, Nm | Screw	1.2-2.0 | Slotted M 4	1.2-2.0 | Slotted M 4	1.2-2.0 | Slotted M 4
Fuse size	5x20 / 5x25 / 5x30	5x20 / 5x25 / 5x30	5x20 / 5x25 / 5x30
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels |Test pick-off	- | -	- | -	- | -
Accessories	**Page / Qty.**	**Page / Qty.**	**Page / Qty.**
End plate AP	AP 10 BG	AP 10 BG	AP 10 BG
Cat. no.	**2762.2** 278 20	**2762.2** 278 20	**2762.2** 278 20
External insulated cross-connection AQI 2 poles	AQI 2/8/18 YE	AQI 2/8/18 YE	AQI 2/8/18 YE
Cat. no.	**3440.8** 293 50	**3440.8** 293 50	**3440.8** 293 50
External insulated cross-connection AQI 3 poles	AQI 3/8/18 YE	AQI 3/8/18 YE	AQI 3/8/18 YE
Cat. no.	**3441.8** 293 50	**3441.8** 293 50	**3441.8** 293 50
External insulated cross-connection AQI 4 poles	AQI 4/8/18 YE	AQI 4/8/18 YE	AQI 4/8/18 YE
Cat. no.	**3442.8** 293 50	**3442.8** 293 50	**3442.8** 293 50
External insulated cross-connection AQI 10 poles	AQI 10/8/18 YE	AQI 10/8/18 YE	AQI 10/8/18 YE
Cat. no.	**3443.8** 293 10	**3443.8** 293 10	**3443.8** 293 10
External insulated cross-connection AQI 60 poles	AQI 60/8/18 YE	AQI 60/8/18 YE	AQI 60/8/18 YE
Cat. no.	**3444.8** 293 1	**3444.8** 293 1	**3444.8** 293 1
Status display SST	SST/SIK/LED (RD)/12V DC/24V AC	SST/SIK/LED (RD)/12V DC/24V AC	
Cat. no.	**1113.2** 74 10	**1113.2** 74 10	
Status display SST	SST/SIK/LED (RD)/20-30V DC/40-60V AC	SST/SIK/LED (RD)/20-30V DC/40-60V AC	
Cat. no.	**1114.2** 74 10	**1114.2** 74 10	
Status display SST	SST/SIK/LED (RD)/40-60V DC/80-120V AC	SST/SIK/LED (RD)/40-60V DC/80-120V AC	
Cat. no.	**1115.2** 74 10	**1115.2** 74 10	
Status display SST	SST/SIK/LED (RD)/115V DC/230V AC	SST/SIK/LED (RD)/115V DC/230V AC	
Cat. no.	**1116.2** 74 10	**1116.2** 74 10	
Status display SST	SST/SIK/2LEDs (RD)/24V DC	SST/SIK/2LEDs (RD)/24V DC	
Cat. no.	**1117.2** 74 10	**1117.2** 74 10	
Status display SST	SST/SIK/LED (RD) 500 V AC/DC	SST/SIK/LED (RD) 500 V AC/DC	
Cat. no.	**17045.2** 74 10	**17045.2** 74 10	
solid link KH	KH 5	KH 5	KH 5
Cat. no.	**2470.0** 66 1	**2470.0** 66 1	**2470.0** 66 1
End stop ES	ES 35/K/ST BG	ES 35/K/ST BG	ES 35/K/ST BG
Cat. no.	**2828.0** 274 50	**2828.0** 274 50	**2828.0** 274 50
Screwdriver SDB	SDB 0,8x4,0	SDB 0,8x4,0	SDB 0,8x4,0
Cat. no.	**1087.0** 422 1	**1087.0** 422 1	**1087.0** 422 1
Quick marking PMC SB	PMC SB 8/40 WH	PMC SB 8/40 WH	PMC SB 8/40 WH
Cat. no.	**9323.7** 342 400	**9323.7** 342 400	**9323.7** 342 400

More accessories starting on page 264.

SIK 10/Z	SIK 10/Z/ST	SIK 10/Z/LED	VBS 2 /10	VBS 2/10/Z
				
				
Fuse-disconnect terminal 2 connections/hinged lever	Fuse-disconnect terminal 2 connections/disconnect-plug	Fuse-disconnect terminal 2 connections/hinged lever	Connecting pieces for joining the hinged levers	Connecting pieces for joining the hinged levers
Screw connection	**Screw connection**	**Screw connection**	**Screw connection**	**Screw connection**
60 x 10 x 73	60 x 10 x 73	60 x 10 x 87		
60 x 10 x 69	60 x 10 x 69	60 x 10 x 83		
Qty.	**Qty.**	**Qty.**	**Qty.**	**Qty.**
SIK 10/Z BG **1102.2** 25	SIK 10/Z/ST BG **17043.2** 25	SIK 10/Z/LED (RD) BG **1108.2** 12V DC/24V AC 25 SIK 10/Z/LED (RD) BG **1109.2** 20-30V DC/40-60V AC 25 SIK 10/Z/LED (RD) BG **1110.2** 40-60V/80-120V AC 25 SIK 10/Z/LED (RD) BG **1111.2** 115V DC/230 V AC 25 SIK 10/Z/2 LEDs (RD) BG **1112.2** 24 V DC 25	VBS 2/10 OG **2873.3** 20 VBS 3/10 OG **2874.3** 20	VBS 2/10/Z OG **2875.3** 20 VBS 3/10/Z OG **2876.3** 20
(.2)	(.2)	(.2)		
IEC / **UL** / **cUL**	**IEC** / **UL** / **cUL**	**IEC** / **UL** / **cUL**		
500 / 600 / 600	500 / 600 / 600	See above		
10 / 16 / 16	10 / 16 / 16	10 / 16 / 16		
10 | 22-12	10 | 22-12	10 | 22-12		
8 | 3	8 | 3	8 | 3		
1.6	1.6	1.6		
A4 | V2	A4 | V2	A4 | V2		
0.2-10 | -	0.2-10 | -	0.2-10 | -		
0.2-10 | 0.2-10	0.2-10 | 0.2-10	0.2-10 | 0.2-10		
0.2-10	0.2-10	0.2-10		
12	12	12		
1.2-2.0 | Slotted M 4	1.2-2.0 | Slotted M 4	1.2-2.0 | Slotted M 4		
6.3x32 / 6.3x25	6.3x32 / 6.3x25	6.3x32 / 6.3x25		
PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C		
- | -	- | -	- | -		

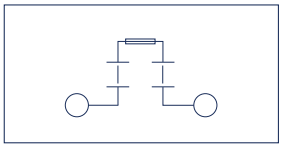
	Page	Qty.		Page	Qty.		Page	Qty.
AQI 2/8/18 YE **3991.8**	293	50	AQI 2/8/18 YE **3991.8**	293	50	AQI 2/8/18 YE **3991.8**	293	50
AQI 3/10/18 YE **3992.8**	293	50	AQI 3/10/18 YE **3992.8**	293	50	AQI 3/10/18 YE **3992.8**	293	50
AQI 4/10/18 YE **3993.8**	293	50	AQI 4/10/18 YE **3993.8**	293	50	AQI 4/10/18 YE **3993.8**	293	50
AQI 10/10/18 YE **3994.8**	293	10	AQI 10/10/18 YE **3994.8**	293	10	AQI 10/10/18 YE **3994.8**	293	10
AQI 50/10/18 YE **3995.8**	293	1	AQI 50/10/18 YE **3995.8**	293	1	AQI 50/10/18 YE **3995.8**	293	1
SST/SIK/LED (RD)/12V DC/24V AC **1113.2**	74	10	SST/SIK/LED (RD)/12V DC/24V AC **1113.2**	74	10			
SST/SIK/LED (RD)/20-30V DC/40-60V AC **1114.2**	74	10	SST/SIK/LED (RD)/20-30V DC/40-60V AC **1114.2**	74	10			
SST/SIK/LED (RD)/40-60V DC/80-120V AC **1115.2**	74	10	SST/SIK/LED (RD)/40-60V DC/80-120V AC **1115.2**	74	10			
SST/SIK/LED (RD)/115V DC/230V AC **1116.2**	74	10	SST/SIK/LED (RD)/115V DC/230V AC **1116.2**	74	10			
SST/SIK/2LEDs (RD)/24V DC **1117.2**	74	10	SST/SIK/2LEDs (RD)/24V DC **1117.2**	74	10			
SST/SIK/LED (RD) 500 V AC/DC **17045.2**	74	10	SST/SIK/LED (RD) 500 V AC/DC **17045.2**	74	10			
KH 63 f. SIK 10/Z **2497.0**	-	1	KH 63 f. SIK 10/Z **2497.0**	-	1	KH 63 f. SIK 10/Z **2497.0**	-	1
ES 35/K/ST BG **2828.0**	274	50	ES 35/K/ST BG **2828.0**	274	50	ES 35/K/ST BG **2828.0**	274	50
SDB 0,8x4,0 **1087.0**	422	1	SDB 0,8x4,0 **1087.0**	422	1	SDB 0,8x4,0 **1087.0**	422	1
PMC SB 8/40 WH **9323.7**	342	400	PMC SB 8/40 WH **9323.7**	342	400	PMC SB 8/40 WH **9323.7**	342	400

Fuse disconnect terminals

Screw connection system	STK 2/15	STK 2	STKD 1
	M 3	M 3	M 3
• Foot can be snapped on TS 16, TS 32 and TS 35 DIN rails • Housing made from polyamide 6.6 UL 94-V2			
Connection diagram			
	Fuse-disconnect terminal 2 connections/hinged lever	Fuse-disconnect terminal 2 connections/hinged lever	Fuse-disconnect terminal 2 connections/hinged lever
Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Size (L x W x H) mm with TS 15 mm	51.4 x 8 x 34		
Size (L x W x H) mm with TS 32 mm		51.4 x 8 x 43.5	67 x 8 x 60
Size (L x W x H) mm with TS 35 x 7.5 mm		51.4 x 8 x 39	67 x 8 x 55.5
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	STK 2/15 BG	STK 2 BG	STKD 1 BG
Cat. no.	**1190.2** 100	**1078.2** 100	**1079.2** 100
Type colour	STK 2/15 BU	STK 2 BU	STKD 1 BU
Cat. no.	**1190.5** 100	**1078.5** 100	**1079.5** 100
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	.2 .5	.2 .5	.2 .5
Rated specifications acc. to	**IEC CSAus CSA**	**IEC CSAus CSA**	**IEC CSAus CSA**
Rated voltage, V	500 600 500	500 600 500	500 600 500
Rated current, A	6.3 16 6.3	6.3 16 6.3	6.3 16 6.3
Rated wire cross-section, mm² | AWG	4 | 22-12	4 | 22-12	4 | 22-12
Rated impulse voltage, kV | Contamination degree	4 | 3	4 | 3	4 | 3
Max. power loss, W	1.6	1.6	1.6
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A4 | V2	A4 | V2	A4 | V2
Connection data			
Single wire (solid) / Stranded mm²	0.2-4 | -	0.2-4 | -	0.2-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-4	0.2-4 | 0.2-4	0.2-4 | 0.2-4
Contact wire range, mm²	0.2-4	0.2-4	0.2-4
Stripping length, mm	9	9	9
Torque, Nm | Screw	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3
Fuse size(on page 324)	5x20 / 5x25	5x20 / 5x25	5x20 / 5x25
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels |Test pick-off	- | -	- | -	- | -
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
End plate AP	AP/SI-2 BG	AP/SI-2 BG	AP/SID 1 BG
Cat. no.	**2186.2** 278 50	**2186.2** 278 50	**2187.2** 278 50
External insulated cross-connection AQI 2 poles	AQI 2/8/11 YE	AQI 2/8/11 YE	AQI 2/8/11 YE
Cat. no.	**2067.0** 293 50	**2067.0** 293 50	**2067.0** 293 50
External insulated cross-connection AQI 3 poles	AQI 3/8/11 YE	AQI 3/8/11 YE	AQI 3/8/11 YE
Cat. no.	**2068.0** 293 50	**2068.0** 293 50	**2068.0** 293 50
External insulated cross-connection AQI 4 poles	AQI 4/8/11 YE	AQI 4/8/11 YE	AQI 4/8/11 YE
Cat. no.	**2069.0** 293 50	**2069.0** 293 50	**2069.0** 293 50
Connecting piece VBS, for joining two fuse-disconnect levers			
Cat. no.			
Connecting piece VBS, for joining three fuse-disconnect levers			
Cat. no.			
solid link KH	KH 5	KH 5	KH 5
Cat. no.	**2470.0** 66 1	**2470.0** 66 1	**2470.0** 66 1
End stop ES	ES 35/K/ST BG	ES 35/K/ST BG	ES 35/K/ST BG
Cat. no.	**2828.0** 274 50	**2828.0** 274 50	**2828.0** 274 50
Screwdriver SDB	SDB 0.6x3.5	SDB 0.6x3.5	SDB 0.6x3.5
Cat. no.	**1086.0** 422 1	**1086.0** 422 1	**1086.0** 422 1
Quick marking PMC SB	PMC SB 8/40 WH	PMC SB 8/40 WH	PMC SB 8/40 WH
Cat. no.	**9323.7** 342 400	**9323.7** 342 400	**9323.7** 342 400

More accessories starting on page 264.

STK 1/15



Fuse-disconnect terminal
2 connections/hinged lever

Screw connection

57.5 x 8 x 38.5

	Qty.
STK 1/15 BG	
2191.2	100
STK 1/15 BU	
2191.5	100

(2) (5)

IEC	UL	CSA
400	600	500
6.3	16	6.3

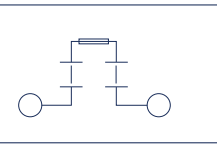
4 | 22-12
6 | 3
1.6
A4 | V2

0.2-4 | -
0.2-4 | 0.2-4
0.2-4
9
0.5-1.0 | Slotted M 3
5x20 / 5x25

PA 6.6 | -40 to +105°C
- | -

	Page	Qty.
AP SI-1 BG		
2046.2	278	50
AQI 2/8/11 YE		
2067.0	293	50
AQI 3/8/11 YE		
2068.0	293	50
AQI 4/8/11 YE		
2069.0	293	50
VBS 2/10 OG		
2873.2	316	20
VBS 3/10 OG		
2874.2	316	20
KH 5		
2470.0	66	1
ES 35/K/ST BG		
2828.0	274	50
SDB 0.6x3.5		
1086.0	422	1
PMC SB 8/40 WH		
9323.7	342	400

STK 1/15 LED



Fuse-disconnect terminal
2 connections/hinged lever

Screw connection

57.5 x 8 x 38.5

		Qty.
STK 1/15/LED (RD) BG		
24 V DC	**2459.2**	100
48 V DC	**2460.2**	100
60 V DC	**2461.2**	100
115 V DC	**2462.2**	100
230 V DC	**2463.2**	100
24 V AC	**2464.2**	100
48 V AC	**2465.2**	100
60 V AC	**2466.2**	100
115 V AC	**2467.2**	100
230 V AC	**2468.2**	100

(2)

IEC	UL	CSA

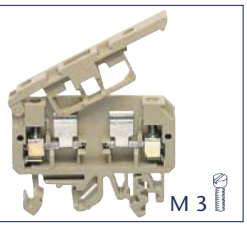
4 | 22-12
- | 3
1.6
A4 | V2

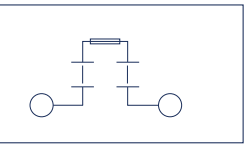
0.2-4 | -
0.2-4 | 0.2-4
0.2-4
9
0.5-1.0 | Slotted M 3
5x20 / 5x25

PA 6.6 | -40 to +105°C
- | -

	Page	Qty.
AP SI-1 BG		
2046.2	278	50
AQI 2/8/11 YE		
2067.0	293	50
AQI 3/8/11 YE		
2068.0	293	50
AQI 4/8/11 YE		
2069.0	293	50
VBS 2/10 OG		
2873.2	316	20
VBS 3/10 OG		
2874.2	316	20
KH 5		
2470.0	66	1
ES 35/K/ST BG		
2828.0	274	50
SDB 0.6x3.5		
1086.0	422	1
PMC SB 8/40 WH		
9323.7	342	400

STK 1





Fuse-disconnect terminal
2 connections/hinged lever

Screw connection

57.5 x 8 x 45.5
57.5 x 8 x 41

	Qty.
STK 1 BG	
2190.2	100
STK 1 BU	
2190.5	100

(2) (5)

IEC	UL	CSA
400	600	500
6.3	16	6.3

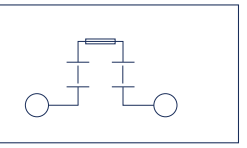
4 | 22-12
6 | 3
1.6
A4 | V2

0.2-4 | -
0.2-4 | 0.2-4
0.2-4
9
0.5-1.0 | Slotted M 3
5x20 / 5x25

PA 6.6 | -40 to +105°C
- | -

	Page	Qty.
AP SI-1 BG		
2046.2	278	50
AQI 2/8/11 YE		
2067.0	293	50
AQI 3/8/11 YE		
2068.0	293	50
AQI 4/8/11 YE		
2069.0	293	50
VBS 2/10 OG		
2873.2	316	20
VBS 3/10 OG		
2874.2	316	20
KH 5		
2470.0	66	1
ES 35/K/ST BG		
2828.0	274	50
SDB 0.6x3.5		
1086.0	422	1
PMC SB 8/40 WH		
9323.7	342	400

STK 1 LED



Fuse-disconnect terminal
2 connections/hinged lever

Screw connection

57.5 x 8 x 45.5
57.5 x 8 x 41

		Qty.
STK 1/LED (RD) BG		
24 V DC	**2449.2**	100
48 V DC	**2450.2**	100
60 V DC	**2451.2**	100
115 V DC	**2452.2**	100
230 V DC	**2453.2**	100
24 V AC	**2454.2**	100
48 V AC	**2455.2**	100
60 V AC	**2456.2**	100
115 V AC	**2457.2**	100
230 V AC	**2458.2**	100

(2)

IEC	UL	CSA

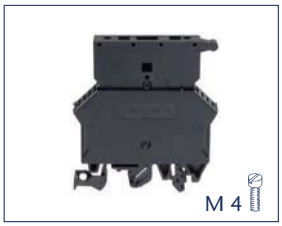
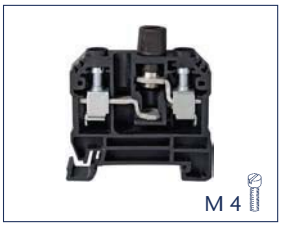
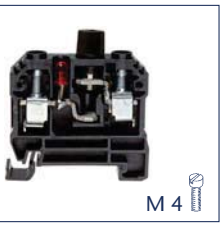
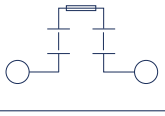
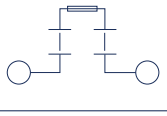
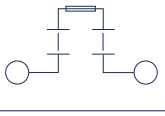
4 | 22-12
- | 3
1.6
A4 | V2

0.2-4 | -
0.2-4 | 0.2-4
0.2-4
9
0.5-1.0 | Slotted M 3
5x20 / 5x25

PA 6.6 | -40 to +105°C
- | -

	Page	Qty.
AP SI-1 BG		
2046.2	278	50
AQI 2/8/11 YE		
2067.0	293	50
AQI 3/8/11 YE		
2068.0	293	50
AQI 4/8/11 YE		
2069.0	293	50
VBS 2/10 OG		
2873.2	316	20
VBS 3/10 OG		
2874.2	316	20
KH 5		
2470.0	66	1
ES 35/K/ST BG		
2828.0	274	50
SDB 0.6x3.5		
1086.0	422	1
PMC SB 8/40 WH		
9323.7	342	400

Glass-fibre reinforced fused terminals SIK | SK

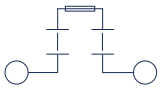
Screw connection system	SIK 10/Z PA-G	SK 1/35 PA-G	SK 1/35 LED PA-G
	 M 4	 M 4	 M 4
• Foot can be snapped on TS 32 and TS 35 DIN rails • Housing made from Polyamide 6.6 V0, glass-fibre reinforced			
	Fused terminal 2 connections/hinged lever	Fused terminal 2 connections / screw cap	Fused terminal 2 connections / screw cap

Connection type	Screw connection	Screw connection	Screw connection
Size (L x W x H) mm with TS 32 mm			
Size (L x W x H) mm with TS 35 x 7.5 mm	60 x 10 x 69	52 x 12.2 x 62	52 x 12.2 x 62
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	SIK 10/Z PA-G BK	SK 1/35 PA-G BK	SK 1/35 LED PA-G with LED
Cat. no.	**17041.4** 25	**1367.4** 20	24 V DC **1380.4** 20 48 V DC **1067.4** 20 24 V AC **1004.4** 20 48 V AC **1119.4** 20
Type colour		Fuse size 5 x 20 mm	SK 1/35 G PA-G with neon indicator lamp
Cat. no.			115 V AC **1376.4** 20 230 V AC **1375.4** 20
Type colour			SK 1/35 G PA-G with glow lamp
Cat. no.			24 V AC/DC **1369.4** 20 Fuse size 5 x 20 mm
Colours available	(4)	(4)	
Rated specifications acc. to	**IEC CSAus CSA**	**IEC CSAus CSA**	**IEC CSAus CSA**
Rated voltage, V	500 600 600	400 250 250	See above
Rated current, A	10 16 16	10 6.3 6.3	10 6.3 6.3
Rated wire cross-section, mm² | AWG	10 | 22-12	10 | 22-8	10 | 22-8
Rated impulse voltage, kV | Contamination degree	8 | 3	4 | 3	4 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A4 | V0	A5 | V0	A5 | V0
Connection data			
Single wire (solid) / Stranded mm²	0.2-10 | 0.2-10	0.2-10 | 0.2-10	0.2-10 | 0.2-10
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-10 | 0.2-10	0.2-10 | 0.2-10	0.2-10 | 0.2-10
Contact wire range, mm²	0.2-10	0.2-10	0.2-10
Stripping length, mm	12	12	12
Torque, Nm | Screw	1.2-2.0 |Slotted M4	1.2-2.0 |Slotted M4	1.2-2.0 |Slotted M4
Fuse size, mm (on page xxx)	6.3 x 32 | 6.3 x 2.5	5 x 20	5 x 20
Features			
Material of insulated housing | Temperature range	PA 6.6 GV 20 | -40 to +140°C	PA 6.6 GV 20 | -40 to +140°C	PA 6.6 GV 20 | -40 to +140°C
Number of cross-connection channels |Test pick-off	- | 1	1 | 1	- |1

Accessories		Page	Qty.	Page	Qty.	Page	Qty.
End plate AP				AP SI BK		AP SI BK	
Cat. no.				**2047.4** 278	1	**2047.4** 278	1
Screw cap SKA (spare)				SKA 5x20		SKA 5x20	
Cat. no.				**2049.2** 78	20	**2049.2** 78	20
Screw cap SKA (spare)				SKA 5x20			
Cat. no.				**2048.2** 78	20		
Insulated cross-connector AQI	2 poles	AQI 2/10/18 YE					
Cat. no.		**3991.8** 293	50				
QS cross-connection rail				QS 2		QS 2	
Cat. no.				**2366.0** 296	50	**2366.0** 296	50
Insulated cross-connector AQI	3 poles	AQI 3/10/18 YE		296			
Cat. no.		**3992.8** 293	50				
QS cross-connection rail				QS 3		QS 3	
Cat. no.				**2367.0** 296	50	**2367.0** 296	50
Insulated cross-connector AQI	4 poles	AQI 4/10/18 YE					
Cat. no.		**3993.8** 293	50				
QS cross-connection rail				QS 4		QS 4	
Cat. no.				**2368.0** 296	20	**2368.0** 296	20
Insulated cross-connector AQI	10 poles	AQI 10/10/18 YE					
Cat. no.		**3993.8** 293	50				
QS cross-connection rail				QS 10		QS 10	
Cat. no.				**2369.0** 297	10	**2369.0** 296	10
Insulated cross-connector AQI	50 poles	AQI 50/10/18 YE		274			
Cat. no.		**3993.8** 293	50				
Mounting screw BS for the QS				BS M 3x6		BS M 3x6	
Cat. no.				**2365.0** 422	100	**2365.0** 297	100
End stop ES		ES 35/K/ST BG		ES 35/K/ST BG		ES 35/K/ST BG	
Cat. no.		**2828.0** 274	50	**2828.0** 340	50	**2828.0** 274	50
Screwdriver SDB		SDB 0.6x3.5		SDB 0,8x4,0		SDB 0,8x4,0	
Cat. no.		**1086.0** 422	1	**1087.0** 422	1	**1087.0** 422	1
Quick marking PMC SB		PMC SB 8/40 WH		PMC SB 8/40 WH		PMC SB 8/40 WH	
Cat. no.		**9323.7** 342	400	**9323.7** 342	400	**9323.7** 342	400

More accessories starting on page 264.

SK 1/35 PA-G



Fused terminal
2 connections / screw cap

Screw connection

52 x 12.2 x 62

	Qty.
SK 1/35 m. K. PA-G BK **1368.4**	20

Fuse size 5 x 25 mm with indicator

IEC	CSAus	CSA
400	250	250
10	6.3	6.3

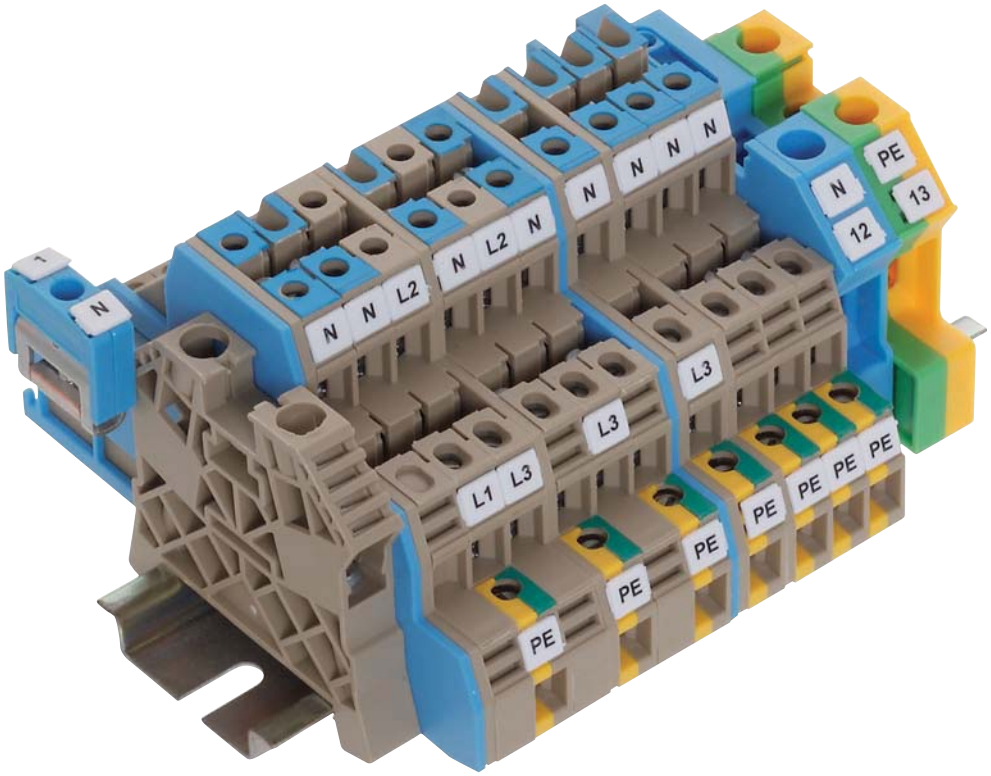
10 | 22-8
4 | 3
A5 | V0
0.2-10 | 0.2-10
0.2-10 | 0.2-10
0.2-10
12
1.2-2.0 |Slotted M4
5 x 25
PA 6.6 GV 20 | -40 to +140°C
1 | 1

	Page	Qty.
AP SI BK **2047.4**	278	1
SKA 5x20 **2049.2**	78	20
SKA 5x20 **2048.2**	78	20
QS 2 **2366.0**	296	50
QS 3 **2367.0**	296	50
QS 4 **2368.0**	296	20
QS 10 **2369.0**	296	10
BS M 3x6 **2365.0**	297	100
ES 35/K/ST BG **2828.0**	274	50
SDB 0,8x4,0 **1087.0**	422	1
PMC SB 8/40 WH **9323.7**	342	400

Three-wire installation terminals DLIS/DLI

VDE 100 (IEC 364) and VDE 0108 establish the requirement that a circuit's association must be clearly detectable. They also require that an insulation test can be performed on each terminal without disconnecting the N-wire. This is a specific requirement for public buildings such as hospitals, schools, airports, office buildings and institutions.

The relevant busbar is positioned on the outside of the terminals and held in place using the **HP** support plates. A sliding contact that contacts both sides of the busbar is used to connect and disconnect. This sliding contact permits functional testing independent of the operational mode.

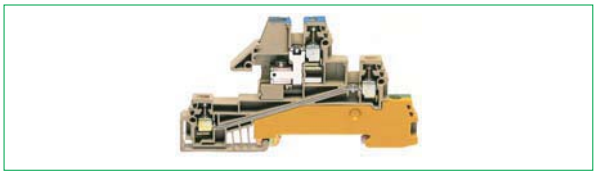


Three-wire installation terminals DLIS/DLI

The features in detail

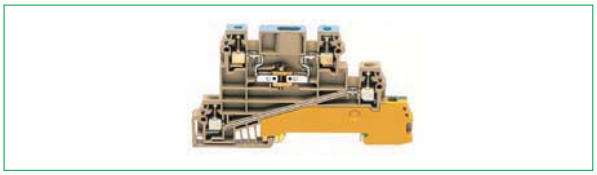
Installation terminals for neutral rails 10 x 3

Neutral cross-connections via the **Ssch** busbar system: **10 x 3** up to 140 A. Power is supplied using a separate clamping yoke or with an NT disconnect terminal.



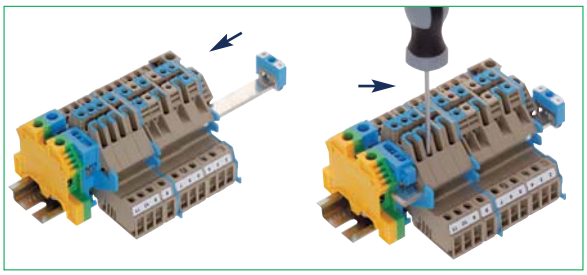
Installation terminals for neutral cross-connection systems

The neutral cross-connection takes place with the **Q** standard cross-connection system (up to 24 A). Power is supplied directly using the neutral connection of the terminal block.



Contacting and fitting of neutral busbars

The neutral disconnect terminals can hold a 10 x 3 mm neutral busbar. A fixing plate is required for the mechanical attachment. They must be attached to the start and end of the terminal strip unit. For longer applications, fixing plates should also be used in the middle. The neutral slider establishes a safe contact with the busbar. It can be disconnected from within the terminal housing using the screw connection.



Connecting the PE foot onto the DIN rail

As with all **CONTA-CLIP** PE terminals, the **FSL** terminals also implement a two-sided contact with the DIN rail. The **TS 35** is used as the PE busbar.

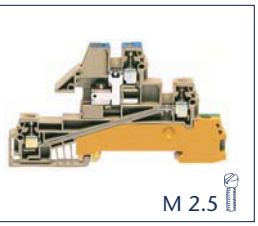
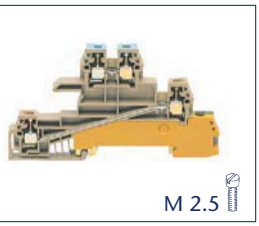
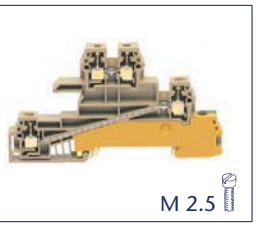
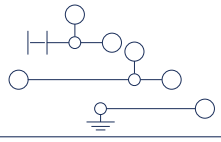
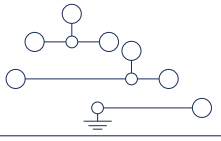
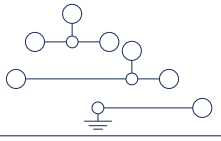
Block versions

Block version terminals are connected underneath each other with pegs. This results in increased design stability compared with individual terminals. They are quick and easy to connect and require only one hand grip. Removing the blocks is just as quick – using the connected feet with the help of a screwdriver.

General information:

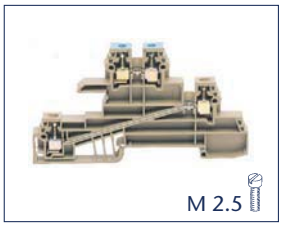
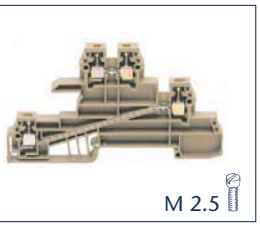
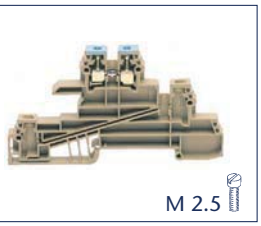
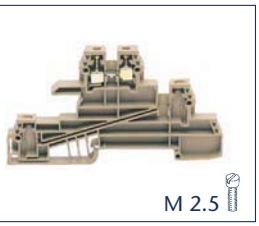
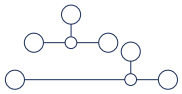
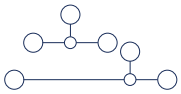
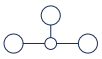
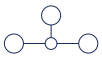
- The three wires (phase/neutral/PE) of a single-phase circuit can be connected to the **DLIS/2.5 PE/L/NT** and the **DLI 2.5/PE/L/NT**.
- The corresponding feed-through connections can be cross-connected.
- Combination options with the standard feed-though, neutral and PE terminals.
- The individual terminals can be swapped out independently of the neighbouring terminals and without removing the neutral busbar.
- The mechanical height of the N busbar is tailored to fit both the DLIS and NT terminals.
- The neutral connections are colour-coded blue and the PE connections are coded green/yellow.

Three-wire installation terminals DLIS

Screw connection system	DLIS 2.5 PE/L/NT	DLIS 2.5 PE/L/N	DLIS 2.5 PE/L/L
	 M 2.5	 M 2.5	 M 2.5
• Foot can be snapped on TS 35 DIN rail • Housing made from polyamide 6.6 UL 94-V2			
Connection diagram			
	Three-wire installation terminal, 4 connections	Three-wire installation terminal, 5 connections	Three-wire installation terminal, 5 connections
Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Size (L x W x H) with TS 35 x 7.5 mm	90.5 x 6 x 53	90.5 x 6 x 53	90.5 x 6 x 53
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	DLIS 2.5 PE/L/NT BG	DLIS 2.5 PE/L/N BG	DLIS 2.5 PE/L/L BG
Cat. no.	**1410.2** 50	**1411.2** 50	**1412.2** 50
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available	.2	.2	.2
Rated specifications acc. to	**IEC**	**IEC**	**IEC**
Rated voltage, V	400/250	400/250	400/250
Rated current, A	24	24	24
Rated wire cross-section, mm² | AWG	2.5 | 22-14	2.5 | 22-14	2.5 | 22-14
Rated impulse voltage, kV | Contamination degree	4 | 3	6 | 3	6 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V2	A3 | V2	A3 | V2
Connection data			
Single wire (solid) / Stranded mm²	0.2-4 | -	0.2-4 | -	0.2-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5
Contact wire range, mm²	0.2-4	0.2-4	0.2-4
Stripping length, mm	8	8	8
Torque, Nm | Screw	0.4-0.8 | Slotted M 2.5	0.4 - 0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5
Special connection, mm	Busbar 10 x 3		
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels |Test pick-off	2 | -	2 | -	2 | -

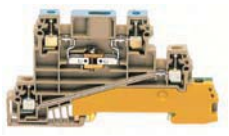
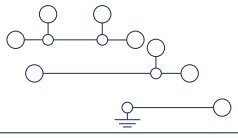
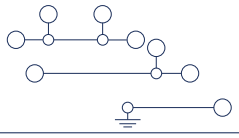
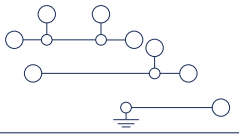
Accessories		Page	Qty.		Page	Qty.		Page	Qty.
End plate AP	AP 2.5/S BG			AP 2.5/S BG			AP 2.5/S BG		
Cat. no.	**2829.2**	278	20	**2829.2**	278	20	**2829.2**	278	20
Fixing plate HP	HP DLIS BU								
Cat. no.	**2890.5**	83	20						
Insulation plate TRS	TRS 3 BG			TRS 3 BG			TRS 3 BG		
Cat. no.	**2566.2**	316	100	**2566.2**	316	100	**2566.2**	316	100
Busbar Ssch	Ssch 10x3 CU								
Cat. no.	**2129.0**	83	1m						
Cross-connector Q	Q 2			Q 2			Q 2		
Cat. no. 2 poles	**2832.0**	288	50	**2832.0**	288	50	**2832.0**	288	50
Cross-connector Q	Q 3			Q 3			Q 3		
Cat. no. 3 poles	**2833.0**	288	50	**2833.0**	288	50	**2833.0**	288	50
Cross-connector Q	Q 4			Q 4			Q 4		
Cat. no. 4 poles	**2834.0**	288	20	**2834.0**	288	20	**2834.0**	288	20
Cross-connector Q	Q 10			Q 10			Q 10		
Cat. no. 10 poles	**2835.0**	288	10	**2835.0**	288	10	**2835.0**	288	10
Cross-connector Q	Q 20			Q 20			Q 20		
Cat. no. 20 poles	**2836.0**	288	10	**2836.0**	288	10	**2836.0**	288	10
Cross-connector Q	Q 0.5m/83 poles			Q 0.5m/83 poles			Q 0.5m/83 poles		
Cat. no. 83 poles	**2154.0**	288	1	**2154.0**	288	1	**2154.0**	288	1
End stop ES	ES 35/K/ST BG			ES 35/K/ST BG			ES 35/K/ST BG		
Cat. no.	**2828.0**	274		**2828.0**	274		**2828.0**	274	
Screwdriver SDB	SDB 0.5x3.0			SDB 0.5x3.0			SDB 0.5x3.0		
Cat. no.	**1085.0**	422	1	**1085.0**	422	1	**1085.0**	422	1
Quick marking PMC SB	PMC SB 6/50 WH			PMC SB 6/50 WH			PMC SB 6/50 WH		
Cat. no.	**4702.7**	340	500	**4702.7**	340	500	**4702.7**	340	500

More accessories starting on page 264.

DLIS 2.5 L/N	DLIS 2.5 L/N	DLIS 2.5 N	DLIS 2.5 L	Busbar
 M 2.5	 M 2.5	 M 2.5	 M 2.5	
				
Three-wire installation terminal, 4 connections	Three-wire installation terminal, 4 connections	Three-wire installation terminal, 2 connections	Three-wire installation terminal, 2 connections	
Screw connection	**Screw connection**	**Screw connection**	**Screw connection**	
90.5 x 6 x 53	90.5 x 6 x 53	90.5 x 6 x 53	90.5 x 6 x 53	
Qty.	**Qty.**	**Qty.**	**Qty.**	**Qty.**
DLIS 2.5 L/N BG **1413.2** 50	DLIS 2.5 L/N BG **1414.2** 50	DLIS 2.5 N BG **1415.2** 50	DLIS 2.5 L BG **1416.2** 50	Ssch 10x3 CU **2129.0** 1m Ssch 10x3 MS **2128.0** 1m
(.2)	(.2)	(.2)	(.2)	
IEC	**IEC**	**IEC**	**IEC**	
400/250	400/250	400/250	400/250	
24	24	24	24	140 CU | 100 MS
2.5 | 22-14	2.5 | 22-14	2.5 | 22-14	2.5 | 22-14	
6 | 3	6 | 3	6 | 3	6 | 3	
A3 | V2	A3 | V2	A3 | V2	A3 | V2	
0.2-4 | -	0.2-4 | -	0.2-4 | -	0.2-4 | -	
0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	
0.2-4	0.2-4	0.2-4	0.2-4	
8	8	8	8	
0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5	
PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	
2 | -	2 | -	1 | -	1 | -	

	Page	Qty.	Page	Qty.	Page	Qty.	Page	Qty.
AP 2.5/S BG **2829.2**	278	20	278	20	278	20	278	20
TRS 3 BG **2566.2**	316	100	316	100	316	100	316	100
Q 2 **2832.0**	288	50	288	50	288	50	288	50
Q 3 **2833.0**	288	50	288	50	288	50	288	50
Q 4 **2834.0**	288	20	288	20	288	20	288	20
Q 10 **2835.0**	288	10	288	10	288	10	288	10
Q 20 **2836.0**	288	10	288	10	288	10	288	10
Q 0.5m/83 poles **2154.0**	288	1	288	1	288	1	288	1
ES 35/K/ST BG **2828.0**	274		274		274		274	
SDB 0.5x3.0 **1085.0**	422	1	422	1	422	1	422	1
PMC SB 6/50 WH **4702.7**	340	500	340	500	340	500	340	500

Three-wire installation terminals DLI

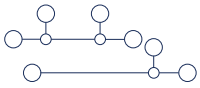
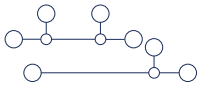
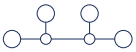
Screw connection system	DLIS 2.5 PE/L/NT	DLI 2.5 PE/L/N	DLI 2.5 PE/L/L
	 M 2.5	M 2.5	M 2.5
• Foot can be snapped on TS 35 DIN rail • Housing made from polyamide 6.6 UL 94-V2			
Connection diagram			
	Three-wire installation terminal, 5 connections	Three-wire installation terminal, 5 connections	Three-wire installation terminal, 5 connections
Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Size (L x W x H) with TS 35 x 7.5 mm	90.5 x 6 x 53	90.5 x 6 x 53	90.5 x 6 x 53

Type		**Qty.**		**Qty.**		**Qty.**
Type colour	DLI 2.5 PE/L/NT BG		DLI 2.5 PE/L/N BG		DLI 2.5 PE/L/L BG	
Cat. no.	**1417.2**	50	**1418.2**	50	**1419.2**	50
Type colour						
Cat. no.						
Type colour						
Cat. no.						
Type colour						
Cat. no.						
Colours available	(2)		(2)		(2)	

Ratings	**IEC**	**CSAus**	**CSA**	**IEC**	**CSAus**	**CSA**	**IEC**	**CSAus**	**CSA**
Rated voltage, V	400/250	300	300	400/250	300	300	400/250	300	300
Rated current, A	24	15	15	24	15	15	24	15	15
Rated wire cross-section, mm² | AWG	2.5 | 22-14			2.5 | 22-14			2.5 | 22-14		
Rated impulse voltage, kV | Contamination degree	4 | 3			6 | 3			6 | 3		
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V2			A3 | V2			A3 | V2		
Connection data									
Single wire (solid) / Stranded mm²	0.2-4 | -			0.2-4 | -			0.2-4 | -		
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5			0.2-4 | 0.2-2.5			0.2-4 | 0.2-2.5		
Contact wire range, mm²	0.2-4			0.2-4			0.2-4		
Stripping length, mm	8			8			8		
Torque, Nm | Screw	0.4-0.8 | Slotted M 2.5			0.4-0.8 | Slotted M 2.5			0.4-0.8 | Slotted M 2.5		
Special connection, mm									
Features									
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C			PA 6.6 | -40 to +105°C			PA 6.6 | -40 to +105°C		
Number of cross-connection channels |Test pick-off	3 | -			3 | -			3 | -		

Accessories		**Page**	**Qty.**		**Page**	**Qty.**		**Page**	**Qty.**
End plate AP	AP 2.5 D BG			AP 2.5 D BG			AP 2.5 D BG		
Cat. no.	**2831.2**	278	20	**2831.2**	278	20	**2831.2**	278	20
Insulation plate TRS	TRS 3 BG			TRS 3 BG			TRS 3 BG		
Cat. no.	**2566.2**	316	100	**2566.2**	316	100	**2566.2**	316	100
Cross-connector Q 2 poles	Q 2			Q 2			Q 2		
Cat. no.	**2832.0**	288	50	**2832.0**	288	50	**2832.0**	288	50
Cross-connector Q 3 poles	Q 3			Q 3			Q 3		
Cat. no.	**2833.0**	288	50	**2833.0**	288	50	**2833.0**	288	50
Cross-connector Q 4 poles	Q 4			Q 4			Q 4		
Cat. no.	**2834.0**	288	20	**2834.0**	288	20	**2834.0**	288	20
Cross-connector Q 10 poles	Q 10			Q 10			Q 10		
Cat. no.	**2835.0**	288	10	**2835.0**	288	10	**2835.0**	288	10
Cross-connector Q 20 poles	Q 20			Q 20			Q 20		
Cat. no.	**2836.0**	288	10	**2836.0**	288	10	**2836.0**	288	10
Cross-connector Q 83 poles	Q 0.5m/83 poles			Q 0.5m/83 poles			Q 0.5m/83 poles		
Cat. no.	**2154.0**	288	1	**2154.0**	288	1	**2154.0**	288	1
End stop ES	ES 35/K/ST BG			ES 35/K/ST BG			ES 35/K/ST BG		
Cat. no.	**2828.0**	274		**2828.0**	274		**2828.0**	274	
Screwdriver SDB	SDB 0.5x3.0			SDB 0.5x3.0			SDB 0.5x3.0		
Cat. no.	**1085.0**	422	1	**1085.0**	422	1	**1085.0**	422	1
Quick marking PMC SB	PMC SB 6/50 WH			PMC SB 6/50 WH			PMC SB 6/50 WH		
Cat. no.	**4702.7**	340	500	**4702.7**	340	500	**4702.7**	340	500

More accessories starting on page 264.

DLI 2.5 L/N	DLI 2.5 L/N	DLI 2.5 N	DLI 2.5 L	
M 2.5	M 2.5	M 2.5	M 2.5	
				
Three-wire installation terminal, 4 connections	Three-wire installation terminal, 4 connections	Three-wire installation terminal, 2 connections	Three-wire installation terminal, 2 connections	
Screw connection	**Screw connection**	**Screw connection**	**Screw connection**	
90.5 x 6 x 53	90.5 x 6 x 53	90.5 x 6 x 53	90.5 x 6 x 53	
Qty.	**Qty.**	**Qty.**	**Qty.**	
DLI 2.5 L/N BG **1420.2** 50	DLI 2.5 L/N BG **1421.2** 50	DLI 2.5 N BG **1422.2** 50	DLI 2.5 L BG **1423.2** 50	
(.2)	(.2)	(.2)	(.2)	
IEC CSAus CSA	**IEC CSAus CSA**	**IEC CSAus CSA**	**IEC CSAus CSA**	
400/250 300 300	400/250 300 300	400/250 300 300	400/250 300 300	
24 15 15	24 15 15	24 15 15	24 15 15	
2.5 | 22-14	2.5 | 22-14	2.5 | 22-14	2.5 | 22-14	
6 | 3	6 | 3	6 | 3	6 | 3	
A3 | V2	A3 | V2	A3 | V2	A3 | V2	
0.2-4 | -	0.2-4 | -	0.2-4 | -	0.2-4 | -	
0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	
0.2-4	0.2-4	0.2-4	0.2-4	
8	8	8	8	
0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5	
PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	
3 | -	3 | -	2 | -	2 | -	

	Page	Qty.
AP 2.5 D BG **2831.2**	278	20
TRS 3 BG **2566.2**	316	100
Q 2 **2832.0**	288	50
Q 3 **2833.0**	288	50
Q 4 **2834.0**	288	20
Q 10 **2835.0**	288	10
Q 20 **2836.0**	288	10
Q 0.5m/83 poles **2154.0**	288	1
ES 35/K/ST BG **2828.0**	274	
SDB 0.5x3.0 **1085.0**	422	1
PMC SB 6/50 WH **4702.7**	340	500

	Page	Qty.
AP 2.5 D BG **2831.2**	278	20
TRS 3 BG **2566.2**	316	100
Q 2 **2832.0**	288	50
Q 3 **2833.0**	288	50
Q 4 **2834.0**	288	20
Q 10 **2835.0**	288	10
Q 20 **2836.0**	288	10
Q 0.5m/83 poles **2154.0**	288	1
ES 35/K/ST BG **2828.0**	274	
SDB 0.5x3.0 **1085.0**	422	1
PMC SB 6/50 WH **4702.7**	340	500

	Page	Qty.
AP 2.5 D BG **2831.2**	278	20
TRS 3 BG **2566.2**	316	100
Q 2 **2832.0**	288	50
Q 3 **2833.0**	288	50
Q 4 **2834.0**	288	20
Q 10 **2835.0**	288	10
Q 20 **2836.0**	288	10
Q 0.5m/83 poles **2154.0**	288	1
ES 35/K/ST BG **2828.0**	274	
SDB 0.5x3.0 **1085.0**	422	1
PMC SB 6/50 WH **4702.7**	340	500

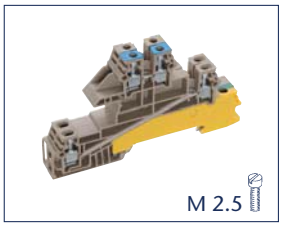
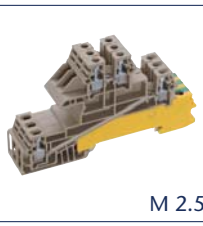
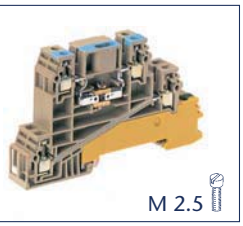
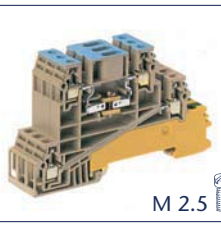
	Page	Qty.
AP 2.5 D BG **2831.2**	278	20
TRS 3 BG **2566.2**	316	100
Q 2 **2832.0**	288	50
Q 3 **2833.0**	288	50
Q 4 **2834.0**	288	20
Q 10 **2835.0**	288	10
Q 20 **2836.0**	288	10
Q 0.5m/83 poles **2154.0**	288	1
ES 35/K/ST BG **2828.0**	274	
SDB 0.5x3.0 **1085.0**	422	1
PMC SB 6/50 WH **4702.7**	340	500

Three-wire installation terminals and block versions DLIS / DLI

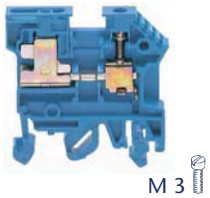
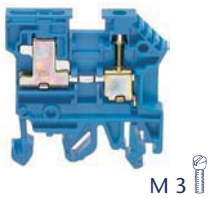
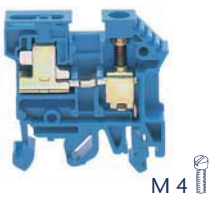
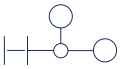
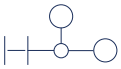
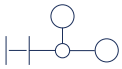
Screw connection system	DLIS 2.5 B-D	DLIS 2.5 B-W	DLIS 2.5 B-3L/3N/3PE
	M 2.5	M 2.5	M 2.5
• Foot can be snapped on TS 35 DIN rail • Housing made from polyamide 6.6 UL 94-V2			
Connection diagram			
	Three-wire installation terminals, three-phase block	Three-wire installation terminals, AC block	Three-wire installation terminals, AC block
Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Size (L x W x H) with TS 35 x 7.5 mm	90.5 x 12 x 53	90.5 x 18 x 53	90.5 x 18 x 53
Type	**Qty.**	**Qty.**	**Qty.**
Type colour			DLIS 2.5 B-3L/3N/3PE BG
Cat. no.			**2715.2** 16
Type colour block for three-phase circuits	DLIS 2.5 B-D BG		
Cat. no.	**1447.2** 25		
Type colour block for AC circuits		DLIS 2.5 B-W BG	
Cat. no.		**1446.2** 16	
Type colour			
Cat. no.			
Colours available	(2)	(2)	(2)
Ratings	**IEC**	**IEC**	**IEC**
Rated voltage, V	400/250	400/250	400/250
Rated current, A	24	24	24
Rated wire cross-section, mm² | AWG	2.5 | 22-14	2.5 | 22-14	2.5 | 22-14
Rated impulse voltage, kV | Contamination degree	4 | 3	4 | 3	4 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V2	A3 | V2	A3 | V2
Connection data			
Single wire (solid) / Stranded mm²	0.2-4 | -	0.2-4 | -	0.2-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5
Contact wire range, mm²	0.2-4	0.2-4	0.2-4
Stripping length, mm	8	8	8
Torque, Nm | Screw	0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5
Special connection, mm	Busbar 10 x 3	Busbar 10 x 3	
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels |Test pick-off	- | -	- | -	2 | -

Accessories		**Page**	**Qty.**	**Page**	**Qty.**	**Page**	**Qty.**
End plate AP		AP 2.5/S BG		AP 2.5/S BG		AP 2.5/S BG	
Cat. no.		**2829.2** 278	20	**2829.2** 278	20	**2829.2** 278	20
Fixing plate HP		HP DLIS BU		HP DLIS BU		HP DLIS BU	
Cat. no.		**2890.5** 83	20	**2890.5** 83	20	**2890.5** 83	20
Insulation plate TRS						TRS 2 BG	
Cat. no.						**2566.2** 316	100
Busbar Ssch		Ssch 10x3 CU		Ssch 10x3 CU			
Cat. no.		**2129.0** 83	1m	**2129.0** 83	1m		
Cross-connector Q	2 poles	Q 2		Q 2		Q 2	
Cat. no.		**2832.0** 288	50	**2832.0** 288	50	**2832.0** 288	50
Cross-connector Q	3 poles	Q 3		Q 3		Q 3	
Cat. no.		**2833.0** 288	50	**2833.0** 288	50	**2833.0** 288	50
Cross-connector Q	4 poles	Q 4		Q 4		Q 4	
Cat. no.		**2834.0** 288	20	**2834.0** 288	20	**2834.0** 288	20
Cross-connector Q	10 poles	Q 10		Q 10		Q 10	
Cat. no.		**2835.0** 288	10	**2835.0** 288	10	**2835.0** 288	10
Cross-connector Q	20 poles	Q 20		Q 20		Q 20	
Cat. no.		**2836.0** 288	10	**2836.0** 288	10	**2836.0** 288	10
Cross-connector Q	83 poles	Q 0.5m/83 poles		Q 0.5m/83 poles		Q 0.5m/83 poles	
Cat. no.		**2154.0** 288	1	**2154.0** 288	1	**2154.0** 288	1
End stop ES		ES 35/K/ST BG		ES 35/K/ST BG		ES 35/K/ST BG	
Cat. no.		**2828.0** 274		**2828.0** 274		**2828.0** 274	
Screwdriver SDB		SDB 0.5x3.0		SDB 0.5x3.0	1	SDB 0.5x3.0	
Cat. no.		**1085.0** 422	1	**1085.0** 422		**1085.0** 422	1
Quick marking PMC SB		PMC SB 6/50 WH		PMC SB 6/50 WH		PMC SB 6/50 WH	
Cat. no.		**4702.7** 340	500	**4702.7** 340	500	**4702.7** 340	500

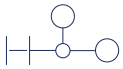
More accessories starting on page 264.

DLIS 2.5 B-3L/N/PE	DLIS 2.5 B-6L	DLIS 2.5 B-6L/3 PE	DLI 2.5 B-D	DLI 2.5 B-W
 M 2.5	M 2.5	 M 2.5	 M 2.5	 M 2.5
Three-wire installation terminals, AC block	Three-wire installation terminals, AC block	Three-wire installation terminals, AC block	Three-wire installation terminals, three-phase block	Three-wire installation terminals, AC block
Screw connection	**Screw connection**	**Screw connection**		
90.5 x 18 x 53	90.5 x 18 x 53	90.5 x 18 x 53	90.5 x 12 x 53	90.5 x 18 x 53
Qty.	**Qty.**	**Qty.**	**Qty.**	**Qty.**
DLIS 2.5 B-3L/N/PE BG **2716.2** 16	DLIS 2.5 B-6L BG **2717.2** 16	DLIS 2.5 B-6L/3PE BG **2718.2** 16	DLI 2.5 B-D BG **1449.2** 25	DLI 2.5 B-W BG **1448.2** 16
.2	.2	.2	.2	.2
IEC	**IEC**	**IEC**	**IEC UL CSA**	**IEC UL CSA**
400/250	400/250	400/250	400/250 300 300	400/250 300 300
24	24	24	24 15 15	24 15 15
2.5 | 22-14	2.5 | 22-14	2.5 | 22-14	2.5 | 22-14	2.5 | 22-14
4 | 3	4 | 3	4 | 3	4 | 3	4 | 3
A3 | V2	A3 | V2	A3 | V2	A3 | V2	A3 | V2
0.2-4 | -	0.2-4 | -	0.2-4 | -	0.2-4 | -	0.2-4 | -
0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5
0.2-4	0.2-4	0.2-4	0.2-4	0.2-4
8	8	8	8	8
0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5
PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
2 | -	2 | -	2 | -	- | -	3 | -
Page Qty.	**Page Qty.**	**Page Qty.**	**Page Qty.**	**Page Qty.**
AP 2.5/S BG **2829.2** 278 20	AP 2.5/S BG **2829.2** 278 20	AP 2.5/S BG **2829.2** 278 20	AP 2.5/D BG **2831.2** 278 20	AP 2.5/D BG **2831.2** 278 20
HP DLIS BU **2890.5** 83 20	HP DLIS BU **2890.5** 83 20	HP DLIS BU **2890.5** 83 20		
	TRS 2 BG **2566.2** 316 100	TRS 2 BG **2566.2** 316 100		
Q 2 **2832.0** 288 50	Q 2 **2832.0** 288 50	Q 2 **2832.0** 288 50		
Q 3 **2833.0** 288 50	Q 3 **2833.0** 288 50	Q 3 **2833.0** 288 50		
Q 4 **2834.0** 288 20	Q 4 **2834.0** 288 20	Q 4 **2834.0** 288 20		
Q 10 **2835.0** 288 10	Q 10 **2835.0** 288 10	Q 10 **2835.0** 288 10		
Q 20 **2836.0** 288 10	Q 20 **2836.0** 288 10	Q 20 **2836.0** 288 10		
Q 0.5m/83 poles **2154.0** 288 1	Q 0.5m/83 poles **2154.0** 288 1	Q 0.5m/83 poles **2154.0** 288 1		
ES 35/K/ST BG **2828.0** 274	ES 35/K/ST BG **2828.0** 274	ES 35/K/ST BG **2828.0** 274	ES 35/K/ST BG **2828.0** 274	ES 35/K/ST BG BG **2828.0** 274
SDB 0.5x3.0 **1085.0** 422 1	SDB 0.5x3.0 **1085.0** 422 1	SDB 0.5x3.0 **1085.0** 422 1	SDB 0.5x3.0 **1085.0** 422 1	SDB 0.5x3.0 **1085.0** 422 1
PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500

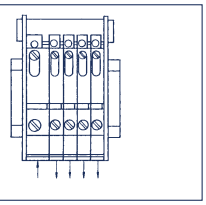
Neutral feed-in disconnect terminals NT

Screw connection system	NT 2.5-4 10 x 3	NT 2.5-4 6 x 6	NT 6-10 10 x 3
	 M 3	 M 3	 M 4
• Foot can be snapped on TS 32 and TS 35 DIN rails • Housing made from polyamide 6.6 UL 94-V2			
Connection diagram			
	neutral disconnect terminal, 1 connection	neutral disconnect terminal, 1 connection	neutral disconnect terminal, 1 connection
Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Size (L x W x H) with TS 32, mm	48 x 6 x 51.5	43 x 6 x 51.5	48 x 8 x 51.5
Size (L x W x H) with TS 35 x 7.5 mm	48 x 6 x 47	48 x 6 x 47	48 x 8 x 47
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	NT 2.5-4 | 10x3 BU	NT 2.5-4 | 6x6 BU	NT 6-10 | 10x3 BU
Cat. no.	**1214.5** 100	**1216.5** 100	**1215.5** 50
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available	.5	.5	.5
Ratings	**IEC**	**IEC**	**IEC**
Rated voltage, V	400	400	400
Rated current, A	32	32	57
Rated wire cross-section, mm² | AWG	4 | 22-10	4 | 22-10	10 | 22-10
Rated impulse voltage, kV | Contamination degree	4 | 3	4 | 3	4 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A4 | V2	A4 | V2	A5 | V2
Connection data			
Single wire (solid) / Stranded mm²	0.2-6 | -	0.2-6 | -	0.2-10 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-6 | 0.2-4	0.2-6 | 0.2-4	0.2-10 | 0.2-10
Contact wire range, mm²	0.2 - 6	0.2 - 6	0.2 - 10
Stripping length, mm	12	12	12
Torque, Nm | Screw	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3	1.2-2.0 | Slotted M 4
Special connection, mm	Busbar 10 x 3	Busbar 6 x 6	Busbar 10 x 3
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels |Test pick-off	- | -	- | -	- | -
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Fixing plate HP	HP 10x3 BU	HP 6x6 BU	HP 10x3 BU
Cat. no.	**2576.5** 88 20	**2577.5** 88 20	**2576.5** 88 20
Test plug PS	PS 2.3	PS 2.3	PS 2.3
Cat. no.	**2007.0** 317 50	**2007.0** 317 50	**2007.0** 317 50
Busbar Ssch CU	Ssch 10x3 CU	Ssch 6x6 CU	Ssch 10x3 CU
Cat. no.	**2129.0** 83 1 m	**2131.0** 89 1 m	**2129.0** 83 1 m
Busbar Ssch MS	Ssch 10x3 MS	Ssch 6x6 MS	Ssch 10x3 MS
Cat. no.	**2128.0** 83 1 m	**2132.0** 89 1 m	**2128.0** 83 1 m
End stop ES	ES 35/K/ST BG	ES 35/K/ST BG	ES 35/K/ST BG
Cat. no.	**2828.0** 274	**2828.0** 274	**2828.0** 274
Screwdriver SDB	SDB 0.6x3.5	SDB 0.6x3.5	SDB 0.8x4.0
Cat. no.	**1086.0** 422 1	**1086.0** 422 1	**1087.0** 422 1
Quick marking PMC SB	PMC SB 6/50 WH	PMC SB 6/50 WH	PMC SB 8/40 WH
Cat. no.	**4702.7** 340 500	**4702.7** 340 500	**9323.7** 342 400

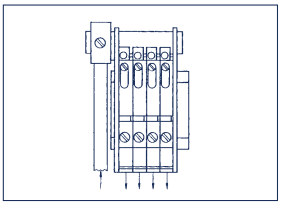
More accessories starting on page 264.

NT 6-10 6 x 6	Busbar			
M 4				
				
neutral disconnect terminal, 1 connection				
Screw connection				
48 x 6 x 51.5				
48 x 6 x 47				
Qty.	**Qty.**			
NT 6-10 | 6x6 BU **1217.5** 50	Ssch 10x3 CU **2129.0** 1m Ssch 10x3 MS **2128.0** 1m Ssch 6x6 CU **2131.0** 1m Ssch 6x6 MS **2132.0** 1m			
.5				
IEC				
400				
57	140 CU | 100 MS			
10 | 22-10				
4 | 3				
A5 | V2				
0.2-10 | -				
0.2-10 | 0.2-10				
0.2 - 10				
12				
1.2-2.0 | Slotted M 4				
Busbar 6 x 6				
PA 6.6 | -40 to +105°C				
- | -				

	Page	Qty.
HP 10x3 BU **2577.5**	88	20
PS 2.3 **2007.0**	317	50
Ssch 6x6 CU **2131.0**	89	1 m
Ssch 6x6 MS **2132.0**/	89	1 m
ES 35/K/ST BG **2828.0**	274	
SDB 0.8x4.0 **1087.0**	422	1
PMC SB 8/40 WH **9323.7**	342	400

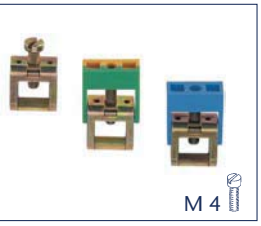


Feed-in with
NT 6-10



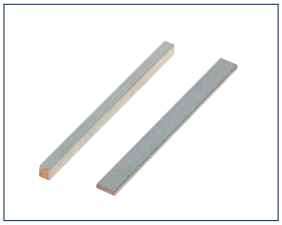
Feed-in with
ZB 16/ZB 35

Busbar power feed PE/N via clamping yoke

Screw connection system	ZB 4 10 x 3	ZB 4/6 6 x 6	ZB 16 10 x 3
	M 3	M 3	 M 4
• Material: steel • Housing made from polyamide 6.6 UL 94-V2			
	Clamping yoke	Clamping yoke	Clamping yoke
Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Dimensions (L x W x H)	15.5 x 5.3 x 11.7	12 x 5,5 x 15	15.5 x 10 x 16.5
Type	**Qty.**	**Qty.**	**Qty.**
Type ZB without cap	ZB 4	ZB 4/6	ZB 16
Cat. no.	**2138.0** 50	**2328.0** 50	**2139.0** 50
Type ZB with cap, colour	ZB 4/K GNYE	ZB 4/6/K GNYE	ZB 16/K GNYE
Cat. no.	**2483.1** 50	**2486.1** 50	**2484.1** 50
Type ZB with cap, colour	ZB 4/K BU	ZB 4/6/K BU	ZB 16/K BU
Cat. no.	**2483.5** 50	**2486.5** 50	**2484.5** 50
Type ZB with cap, colour	ZB 4/K BK		
Cat. no.	**2483.4** 50		
Ratings			
Rated voltage, V			
Rated current, A			
Rated wire cross-section, mm² | AWG			
Rated impulse voltage, kV | Contamination degree			
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94			
Connection data			
Single wire (solid) / Stranded mm²	0.5-4| -	0.5-4| -	2.5-16| -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	- | -	- | -	- | -
Contact wire range, mm²	- | V2	- | V2	- | V2
Stripping length, mm			
Torque, Nm | Screw	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3	1.2-2.0 | Slotted M 4
Special connection, mm	Busbar 10 x 3	Busbar 6 x 6	Busbar 10 x 3
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels |Test pick-off	-	-	-

Accessories	**Page**	**Qty.**		**Page**	**Qty.**		**Page**	**Qty.**
Type cap, colour	K 4 GNYE		K 4/6 GNYE			K 16 GNYE		
Cat. no.	**2488.1** 238	50	**2491.1** 238		50	**2489.1** 238		50
Type cap, colour	K 4 BU		K 4/6 BU			K 16 BU		
Cat. no.	**2488.5** 238	50	**2491.5** 238		50	**2489.5** 238		50
Type cap, colour	K 4 BK							
Cat. no.	**2488.4** 238	50						
Busbar Ssch CU	Ssch 10x3 CU		Ssch 6x6 CU			Ssch 10x3 CU		
Cat. no.	**2129.0** 83	1 m	**2131.0** 89		1 m	**2129.0** 89		1 m
Busbar Ssch MS	Ssch 10x3 MS		Ssch 6x6 MS			Ssch 10x3 MS		
Cat. no.	**2128.0** 83	1 m	**2132.0** 89		1 m	**2128.0** 89		1 m

More accessories starting on page 264.

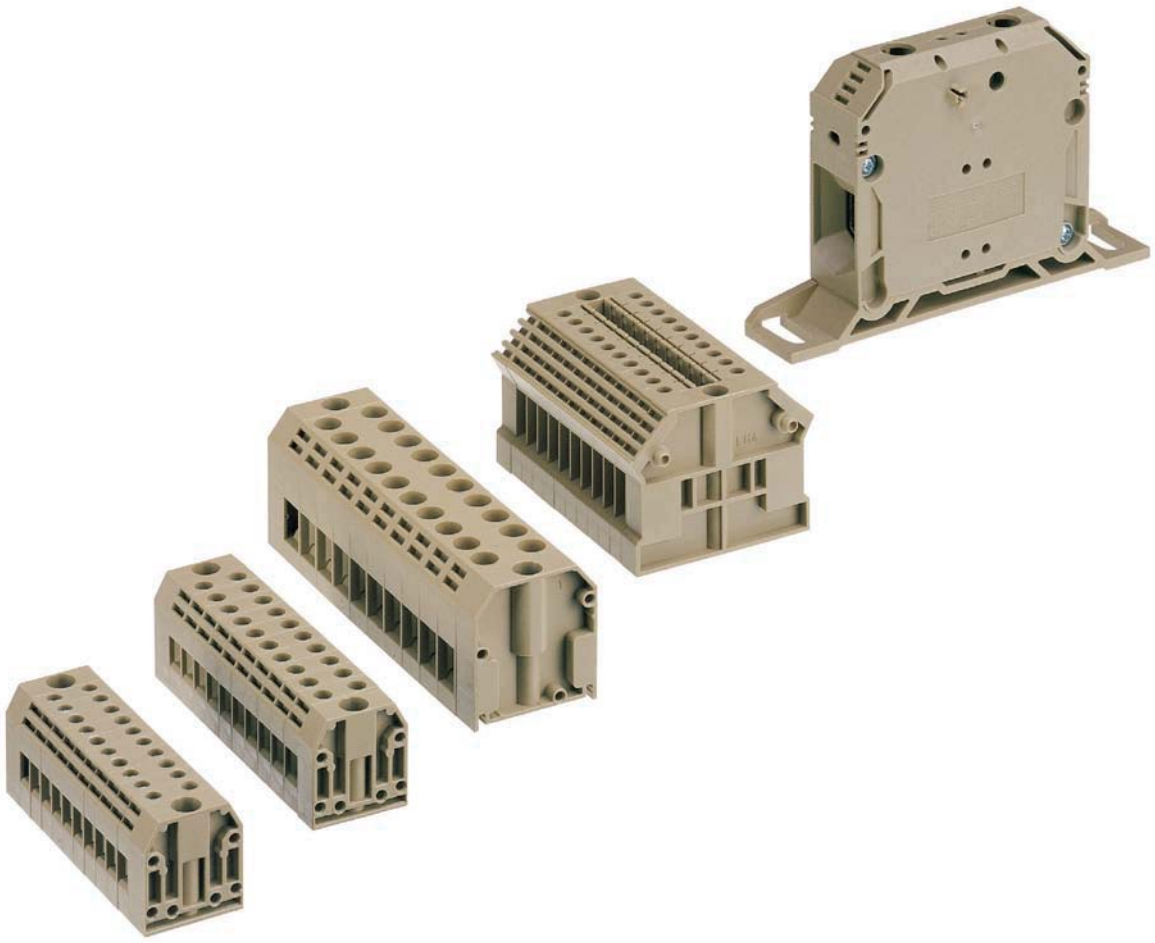
ZB 16/6 6 x 6	ZB 35 10 x 3	Busbar		
				
Clamping yoke	Clamping yoke	Busbar		
Screw connection	**Screw connection**			
12 x 9.5 x 19.9	18 x 14 x 21			
Qty.	**Qty.**	**Qty.**	**Qty.**	**Qty.**
ZB 16/6 **2329.0** 50	ZB 35 **2305.0** 20	Ssch 10x3 CU **2129.0** 1 m		
ZB 16/6/K GNYE **2487.1** 50	ZB 35/K GNYE **2485.1** 20	Ssch 10x3 MS **2128.0** 1 m		
ZB 16/6/K BU **2487.5** 50	ZB 35/K BU **2485.5** 20	Ssch 6x6 CU **2131.0** 1 m		
		Ssch 6x6 MS **2132.0** 1 m		
		140 CU | 100 MS		
2.5-16| - - | - - | V2	16-35| - - | - - | V2			
1.2-2.0 | Slotted M 4	2.5-5.0 | Slotted M 6			
PA 6.6 | -40 to +105°C -	PA 6.6 | -40 to +105°C -			

	Page	Qty.
K 16/6 GNYE **2492.1**	239	50
K 16/6 BU **2492.5**	239	50
Ssch 6x6 CU **2131.0**	89	1 m
Ssch 6x6 MS **2132.0**	89	1 m

	Page	Qty.
K 35 GNYE **2490.1**	239	50
K 35 BU **2490.5**	239	50
Ssch 10x 3 CU **2129.0**	89	1 m
Ssch 10x3 MS **2128.0**	89	1 m

Feed-through terminals for direct, no-rail mounting RKB, BKA, KBL.../RK...-D

The **RKB, BKA** and **KBL...-D** block terminals are cost-effective connection systems which can be snapped together using their pegs to match your required number of poles. An **EH** end support is snapped on to each end of the block terminals. It provides a 3.5-mm hole for a mounting screw. If you are using more poles than available in the **CONTA-CLIP** product line, we recommend using additional **EH** end supports at intervals in order to maintain the stability. We recommend our **MV2/BKA** assembly fixture if you would like to link self-contained **BKA** terminal strips.



Feed-through terminals for direct, no-rail mounting RKB, BKA, KBL.../RK...-D

The features in detail

BKA 2.5/BKA 4 and BKA 10

The housings of the **BKA 2.5/BKA 4** and **BKA 10** block terminals offer touch-safe protection in compliance with VBG 4. The clamping-yoke screw connection system establishes a secure mechanical and electrical contact.

The compact design allows you to use the **BKA** blocks within the most confined spaces. For the **BKA 2.5** and **BKA 4** variants, the **EH 2-Z** with snap-in pegs can be attached instead of the **EH 2**. When using the **EH 2-Z**, the screw and the thread cutting is not necessary. If you need to use a cross-connection, you can make use of the external cross-connections available in our accessories.

Block terminals RKB and KBL...-D

The **RKB** and **KBL...-D** block terminals also provide all of the advantages of rail-mounted terminal blocks (such as the interior cross-connection system). Individual covers, test plugs, cross-connectors, etc. are compatible with the standard **RK** terminal blocks.

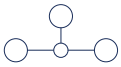
Terminal blocks RK 50-D to RK 240-D

The **RK 50-D** to **RK 240-D** terminals are connection elements for direct no-rail mounting with an external screw attachment. These terminals can be installed in any position within the switchgear cabinet and separately from a DIN rail. Individual covers, external cross-connectors, measurement pick-off terminals, etc. are also compatible with the standard terminal blocks.

Feed-through terminals for direct installation BKA

Screw connection system

- Direct assembly
- Housing made from polyamide 6.6 UL 94-V2

	RKB 4	BKA 2.5	
	M 2.5	M 2.5	
Connection diagram			
	Feed-through terminal 2 connections	Feed-through terminal 2 connections	Direct mounting
Connection type	**Screw connection**	**Screw connection**	
Dimensions (L x W x H), directly installed, mm	27 x 6 x 27,5	22 x 5 x 23	
Type	**Qty.**	**Qty.**	
Type colour	RKB 4 BG	BKA 2.5/1 BG	
Cat. no.	**1018.2** 100	**1320.2** 100	
Type colour	RKB 4 BU	BKA 2.5/1 BU	
Cat. no.	**1018.5** 100	**1320.5** 100	
Type colour			
Cat. no.			
Type 10 poles, block, colour			
Cat. no.			
Colours available	.2 .5	.2 .5	
Ratings	**IEC** **UL**	**IEC** **UL** **cUL**	
Rated voltage, V	500 300	400 300 300	
Rated current, A	32 20	24 20 20	
Rated wire cross-section, mm² | AWG	4 | 22-12	2.5 | 22-12	
Rated impulse voltage, kV | Contamination degree	4 | 3	6 | 3	
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V2	A3 | V2	
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.2-4 | -	0.2-4 | -	
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	
Contact wire range, mm²	0.2-4	0.2-4	
Stripping length, mm	9	7	
Torque, Nm | Screw	0.4 - 0.8 | Slotted M 2.5	0.4 - 0.8 | Slotted M 2.5	
Special connection, mm	-	-	
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	
Number of cross-connection channels |Test pick-off	1 | -	- | -	
Accessories	**Page** **Qty.**	**Page** **Qty.**	
End support EH / direct installation **Cat. no.**	EH 1 BG **2135.2** 274 50	EH 2 BG **2136.2** 274 50	
End support EH / rail mount **Cat. no.**		EH 15 BG **2945.2** 275 50	
End support EH /pegs **Cat. no.**		EH 2/Z BG **2147.2** 274 50	
Cross-connector Q / Insulated cross-connector QI **Cat. no.**	Q 2 **2087.0** 289 50		
External insulated cross-connection AQI **Cat. no.**		AQI 2/5/11 YE **2032.0** 292 50	
Cross-connector Q / Insulated cross-connector QI **Cat. no.**	Q 3 **2088.0** 289 50		
External insulated cross-connection AQI **Cat. no.**		AQI 3/5/11 YE **2033.0** 292 50	
Cross-connector Q / Insulated cross-connector QI **Cat. no.**	Q 4 **2089.0** 288 20		
External insulated cross-connection AQI **Cat. no.**		AQI 4/5/11 YE **2044.0** 292 50	
Cross-connector Q / Insulated cross-connector QI **Cat. no.**	Q 10 **2090.0** 289 10		
External insulated cross-connection AQI **Cat. no.**		AQI 10/5/11 YE **2045.0** 292 10	
Screwdriver SDB **Cat. no.**	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.5x3 **1085.0** 422 1	
Quick marking PMC SB **Cat. no.**	PMC SD 6/50 WH **4702.7** 340 500	PMC SB 5/50 WH **4600.7** 339 500	

More accessories starting on page 264.

Without labelling

Type	Cat. no.	Length mm	Hole clear.	Qty.
BKA 2.5/2	**1321.2**	24.5	17.4	50
BKA 2.5/3	**1322.2**	29.6	22.5	50
BKA 2.5/4	**1323.2**	34.6	27.5	50
BKA 2.5/5	**1324.2**	39.8	32.7	50
BKA 2.5/6	**1325.2**	44.9	37.8	50
BKA 2.5/8	**1326.2**	55.1	48.0	20
BKA 2.5/10	**1327.2**	65.3	58.2	20
BKA 2.5/12	**1328.2**	75.4	68.3	20
BKA 2.5/13	**1329.2**	80.6	73.5	20
BKA 2.5/14	**1330.2**	85.7	78.6	20
BKA 2.5/15	**1331.2**	90.9	83.8	20
BKA 2.5/16	**1332.2**	95.8	88.7	20
BKA 2.5/18	**1333.2**	106.2	99.1	20
BKA 2.5/20	**1334.2**	116.2	108.1	10
BKA 2.5/24	**1335.2**	136.7	129.6	10

With one-sided label

Type	Cat. no.	Length mm	Hole clear.	Qty.
BKA 2.5/2	**1336.2**	24.5	17.4	50
BKA 2.5/3	**1337.2**	29.6	22.5	50
BKA 2.5/4	**1338.2**	34.6	27.5	50
BKA 2.5/5	**1339.2**	39.8	32.7	50
BKA 2.5/6	**1340.2**	44.9	37.8	50
BKA 2.5/8	**1341.2**	55.1	48.0	20
BKA 2.5/10	**1342.2**	65.3	58.2	20
BKA 2.5/12	**1343.2**	75.4	68.3	20
BKA 2.5/13	**1344.2**	80.6	73.5	20
BKA 2.5/14	**1345.2**	85.7	78.6	20
BKA 2.5/15	**1346.2**	90.9	83.8	20
BKA 2.5/16	**1347.2**	95.8	88.7	20
BKA 2.5/18	**1348.2**	106.2	99.1	20
BKA 2.5/20	**1349.2**	116.2	108.1	10
BKA 2.5/24	**1350.2**	136.7	129.6	10

With labelling on both sides

Type	Cat. no.	Length mm	Hole clear.	Qty.
BKA 2.5/2	**1351.2**	24.5	17.4	50
BKA 2.5/3	**1352.2**	29.6	22.5	50
BKA 2.5/4	**1353.2**	34.6	27.5	50
BKA 2.5/5	**1354.2**	39.8	32.7	50
BKA 2.5/6	**1355.2**	44.9	37.8	50
BKA 2.5/8	**1356.2**	55.1	48.0	20
BKA 2.5/10	**1357.2**	65.3	58.2	20
BKA 2.5/12	**1358.2**	75.4	68.3	20
BKA 2.5/13	**1359.2**	80.6	73.5	20
BKA 2.5/14	**1360.2**	85.7	78.6	20
BKA 2.5/15	**1361.2**	90.9	83.8	20
BKA 2.5/16	**1362.2**	95.8	88.7	20
BKA 2.5/18	**1363.2**	106.2	99.1	20
BKA 2.5/20	**1364.2**	116.2	108.1	10
BKA 2.5/24	**1365.2**	136.7	129.6	10

BKA 4

M 3

Feed-through terminal
2 connections

Screw connection

22 x 6 x 23

	Qty.
BKA 4/1 BG	
2158.2	100
BKA 4/1 BU	
2158.5	100

.2 .5

IEC	UL	CSA
400	300	300
32	30	25

4 | 22-12
6 | 3
A3 | V2

0.2-4 | -
0.2-4 | 0.2-4
0.2-4
9
0.5-1.0 | Slotted M 3
-

PA 6.6 | -40 to +105°C
- | -

	Page	Qty.
EH 2 BG		
2136.2	274	50
EH 15 BG		
2945.2	275	50
EH 2/Z BG		
2147.2	274	50
AQI 2/6/11 YE		
2125.0	292	50
AQI 3/6/11 YE		
2126.0	292	50
AQI 4/6/11 YE		
2140.0	292	50
AQI 10/6/11 YE		
2141.0	292	10
SDB 0.6x3.5		
1086.0	422	1
PMC SD 6/50 WH		
4702.7	340	500

Direct mounting

Without labelling

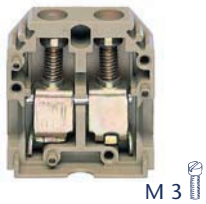
Type	Cat. no.	Length Hole mm	clear.	Qty.
BKA 4/2	**2170.2**	26.5	19.4	50
BKA 4/3	**2171.2**	32.6	25.5	50
BKA 4/4	**2172.2**	38.6	31.5	50
BKA 4/5	**2173.2**	44.8	37.7	50
BKA 4/6	**2174.2**	50.9	43.8	50
BKA 4/8	**2175.2**	63.1	56.0	20
BKA 4/10	**2176.2**	75.3	68.2	20
BKA 4/12	**2177.2**	87.4	80.3	20
BKA 4/13	**2137.2**	93.6	86.5	20
BKA 4/14	**1036.2**	99.7	92.6	20
BKA 4/15	**2178.2**	105.9	98.8	20
BKA 4/16	**1037.2**	111.8	104.7	20
BKA 4/18	**1038.2**	124.2	117.1	20
BKA 4/20	**2179.2**	136.2	129.1	10
BKA 4/24	**1039.2**	160.7	153.6	10

With one-sided label

Type	Cat. no.	Length Hole mm	clear.	Qty.
BKA 4/2	**2308.2**	26.5	19.4	50
BKA 4/3	**2309.2**	32.6	25.5	50
BKA 4/4	**2330.2**	38.6	31.5	50
BKA 4/5	**2331.2**	44.8	37.7	50
BKA 4/6	**2332.2**	50.9	43.8	50
BKA 4/8	**2333.2**	63.1	56.0	20
BKA 4/10	**2334.2**	75.3	68.2	20
BKA 4/12	**2335.2**	87.4	80.3	20
BKA 4/13	**2336.2**	93.6	86.5	20
BKA 4/14	**2337.2**	99.7	92.6	20
BKA 4/15	**2338.2**	105.9	98.8	20
BKA 4/16	**2339.2**	111.8	104.7	20
BKA 4/18	**2340.2**	124.2	117.1	20
BKA 4/20	**2341.2**	136.2	129.1	10
BKA 4/24	2342.2	160.7	153.6	10

Type	Cat. no.	Length Hole mm	clear.	Qty.
BKA 4/2	**2343.2**	26.5	19.4	50
BKA 4/3	**2344.2**	32.6	25.5	50
BKA 4/4	**2345.2**	38.6	31.5	50
BKA 4/5	**2346.2**	44.8	37.7	50
BKA 4/6	**2347.2**	50.9	43.8	50
BKA 4/8	**2348.2**	63.1	56.0	20
BKA 4/10	**2349.2**	75.3	68.2	20
BKA 4/12	**2350.2**	87.4	80.3	20
BKA 4/13	**2351.2**	93.6	86.5	20
BKA 4/14	**2352.2**	99.7	92.6	20
BKA 4/15	**2353.2**	105.9	98.8	20
BKA 4/16	**2354.2**	111.8	104.7	20
BKA 4/18	**2355.2**	124.2	117.1	20
BKA 4/20	**2356.2**	136.2	129.1	10
BKA 4/24	**2357.2**	160.7	153.6	10

BKA 10



M 3

Feed-through terminal
2 connections

Screw connection

30 x 8 x 31

	Qty.
BKA 10/1 BG	
1497.2	100
BKA 10/1 BU	
1497.5	100

.2 .5

IEC	CSAus	CSA
400	300	300
57	57	57

10 | 22-8
6 | 3
A3 | V2

0.2-10 | -
0.2-10 | 0.2-10
0.2-4
10
0.5-1.0 | Slotted M 3
-

PA 6.6 | -40 to +105°C
- | -

	Page	Qty.
EH 3 BG		
2939.2	275	20
EH 35 BG		
2946.2	275	50
AQI 2/8/11 YE		
2067.0	293	50
AQI 3/8/11 YE		
2068.0	293	50
AQI 4/8/11 YE		
2069.0	293	50
SDB 0.8x4.0		
1087.0	422	1
PMC SB 8/40 WH		
9323.7	342	400

Direct mounting

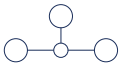
Without labelling

Type	Cat. no.	Length Hole mm	clear.	Qty.
BKA 10/2	**1500.2**	32.2	24.2	50
BKA 10/3	**1501.2**	40.3	32.3	20
BKA 10/4	**1502.2**	48.4	40.4	20
BKA 10/5	**1503.2**	56.5	48.5	20
BKA 10/6	**1504.2**	64.6	56.6	20
BKA 10/7	**1505.2**	72.7	64.7	20
BKA 10/8	**1506.2**	80.8	72.8	10
BKA 10/9	**1507.2**	88.9	80.9	10
BKA 10/10	**1508.2**	97.0	89.0	10
BKA 10/11	**1509.2**	105.1	97.1	10
BKA 10/12	**1510.2**	113.2	105.2	10

Feed-through terminals for direct mounting KBL | RK

Screw connection system	KBL 2.5-D		
	M 2.5		

- Direct assembly
- Housing made from polyamide 6.6 UL 94-V2

Connection diagram			
			
	Feed-through terminal 2 connections	Direct mounting	

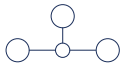
Connection type	Screw connection		
Dimensions (L x W x H), directly installed, mm	48 x 5 x 36.5		
Type			**Qty.**
Type colour	KBL 2.5-D BG		
Cat. no.	**1387.2**		100
Type colour	KBL 2.5-D BU		
Cat. no.	**1387.5**		100
Type colour			
Cat. no.			
Type 10 poles, block, colour	KBL 2.5/10-D BG		
Cat. no.	**1384.2**		10
Colours available	.2 .5		
Ratings	**IEC**	**UL**	**cUL**
Rated voltage, V	300	300	300
Rated current, A	20	20	20
Rated wire cross-section, mm² | AWG	2.5 | 22-14		
Rated impulse voltage, kV | Contamination degree	6 | 3		
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V2		
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.2-4 | -		
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5		
Contact wire range, mm²	0.2-4		
Stripping length, mm	7		
Torque, Nm | Screw	0.4 - 0.8 | Slotted M 2.5		
Special connection, mm	-		
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C		
Number of cross-connection channels |Test pick-off	1 | 1		

Accessories		Page	Qty.
End support EH / direct installation	EH 4 BG		
Cat. no.	**2180.2**	275	50
Cross-connector Q / Insulated cross-connector QI, 2 poles	Q 2		
Cat. no.	**2567.0**	288	50
External insulated cross-connection AQI	AQI 2/5/15 YE		
Cat. no.	**2023.0**	292	50
Cross-connector Q / Insulated cross-connector QI, 3 poles	Q 3		
Cat. no.	**2568.0**	288	50
External insulated cross-connection AQI	AQI 3/5/15 YE		
Cat. no.	**2024.0**	292	50
Cross-connector Q / Insulated cross-connector QI, 4 poles	Q 4		
Cat. no.	**2569.0**	288	20
External insulated cross-connection AQI	AQI 4/5/15 YE		
Cat. no.	**2028.0**	292	50
Cross-connector Q / Insulated cross-connector QI, 10 poles	Q 10		
Cat. no.	**2570.0**	288	10
External insulated cross-connection AQI	AQI 10/5/15 YE		
Cat. no.	**2029.0**	292	10
Inlay profile EP			
Cat. no.			
Measurement pick-off terminal MAG			
Cat. no.			50
Individual covers AD	AD 1/5/B YE		
Cat. no.	**2952.0**	310	1
Allen key socket wrench ISKS			
Cat. no.			
Screwdriver SDB	SDB 0.5x3.0		
Cat. no.	**1085.0**	422	1
Quick marking PMC SB	PMC SB 5/50 WH		
Cat. no.	**4600.7**	339	500

More accessories starting on page 264.

KBL 2.5-4-D

M 3



Feed-through terminal
2 connections

Direct mounting

Screw connection

48 x 6 x 36.5

	Qty.
KBL 2.5-4-D BG **1388.2**	100
KBL 2.5-4-D BU **1388.5**	100
KBL 2.5-4/10-D BG **1385.2**	10

(2) (5)

IEC	CSAus	CSA
700	600	600
32	32	32

4 | 22-10
6 | 3
A4 | V2

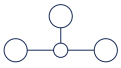
0.2-6 | -
0.2-6 | 0.2-4
0.2-6
12
0.5-1.0 | Slotted M 3
-

PA 6.6 | -40 to +105°C
1 | 1

	Page	Qty.
EH 4 BG **2180.2**	275	50
QI 2 YE **2740.2**	289	50
AQI 4/6/11 YE **2064.0**	293	50
QI 3 YE **2741.2**	289	50
AQI 3/6/17 YE **2065.0**	293	50
QI 4 YE **2742.2**	289	20
AQI 4/6/17 YE **2066.0**	293	50
QI 10 YE **2743.2**	289	10
AQI 10/6/17 YE **2143.0**	293	10
		50
AD 1/6/B YE **2953.0**	310	1
SDB 0.6x3.5 **1086.0**	422	1
PMC SB 6/50 WH **4702.7**	340	500

KBL 6-10-D

M 4



Feed-through terminal
2 connections

Direct mounting

Screw connection

48 x 8 x 36.5

	Qty.
KBL 6-10-D BG **1389.2**	100
KBL 6-10-D BU **1389.5**	100
KBL 6-10/10-D BG **1386.2**	10

(2) (5)

IEC	CSAus	CSA
300	600	600
55	65	65

10 | 22-8
6 | 3
A5 | V2

0.2-10 | -
0.2-10 | 0.2-10
0.2-10
12
1.2-2.0 | Slotted M 4
-

PA 6.6 | -40 to +105°C
1 | 1

	Page	Qty.
EH 4 BG **2180.2**	275	50
QI 2 YE **2750.2**	289	50
AQI 2/8/11 YE **2067.0**	293	50
QI 3 YE **2751.2**	289	50
AQI 3/8/11 YE **2068.0**	293	50
QI 4 YE **2752.2**	289	20
AQI 4/8/11 YE **2069.0**	293	50
QI 10 YE **2753.2**	289	10
		50
AD 1/8 B YE **2954.0**	311	1
SDB 0.8x4.0 **1087.0**	422	1
PMC SB 8/40 WH **9323.7**	342	400

Feed-though terminals for direct mounting RK...-D

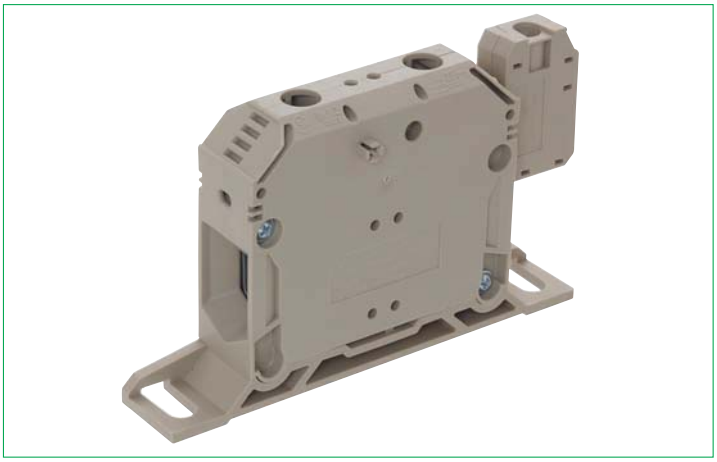
Measurement pick-off terminals MAG

Feed-though terminals for direct mounting RK...-D

The **RK 50-D**, **RK 95-D**, **RK 150-D** and **RK 240-D** terminal blocks are connection elements for direct no-rail mounting with an external screw attachment. The terminal blocks consist of a double-layer insulation housing. The specialized construction of the clamping yoke minimizes the contact resistance between the wire and the busbar. The clamp is tightened using a hex-socket screw which creates the required torque together with the clamping yoke. Pegs are located on the plastic housings of the terminal blocks; these lock to adjacent terminals to increase the mechanical stability. A threaded **M 2.5** bolt can be attached to the injection-moulded pegs in order to further increase the mechanical stability. A diverse line of accessories offers a practical supplement to these products.

MAG measurement pick-off terminals.

The **MAG** measurement pick-off terminals allow you to tap into the voltage on the **RK 50-D**, **RK 95-D**, **RK 150-D** and **RK 240-D** terminal blocks when using wires with small cross-sections ranging from 0.2 to 10 mm². A special socket slot in the **RK 50-D** to **RK 240-D** terminal blocks enables the **MAG** supplemental connections to be added retroactively. They can be independently snapped on to the base housing of the terminal blocks. **MAG** terminals are individually snapped into the housing of the main terminal above the wire entry. The electrical contact is then established using the connection screw on the main-wire terminal of the busbar. This technical solution is safe, clever, and simplifies the wiring significantly. The rated voltage is 1000 V because of the total insulation provided by the pick-off terminal. The **PMC** quick marking system can be used for labelling the terminals.



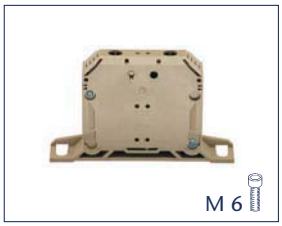
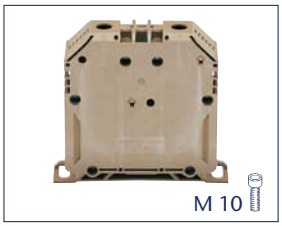
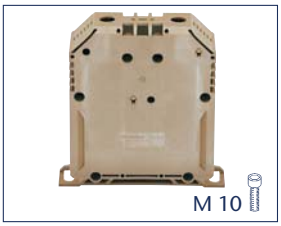
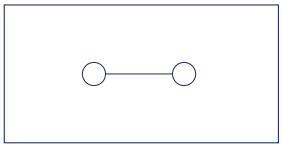
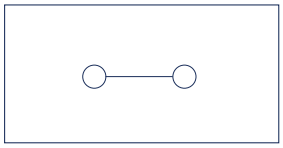
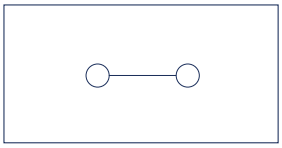
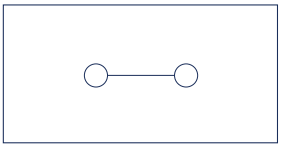
Screw connection system

- Direct assembly
- Housing made from polyamide 6.6 UL 94-V2

Connection diagram

Connection type	
Dimensions (L x W x H), directly installed, mm	
Type	
Type colour **Cat. no.**	
Type colour **Cat. no.**	
Type colour **Cat. no.**	
Type 10 poles, block, colour **Cat. no.**	
Colours available	
Ratings	
Rated voltage, V	
Rated current, A	
Rated wire cross-section, mm² | AWG	
Rated impulse voltage, kV | Contamination degree	
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	
Connection data	
Single wire (solid) | stranded (stranded) mm²	
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	
Contact wire range, mm²	
Stripping length, mm	
Torque, Nm | Screw	
Banded wire up to, mm	
Features	
Material of insulated housing | Temperature range	
Number of cross-connection channels |Test pick-off	
Accessories	
End support EH / direct installation **Cat. no.**	
Cross-connector Q / Insulated cross-connector QI, 2 poles **Cat. no.**	
External insulated cross-connection AQI **Cat. no.**	
Inlay profile EP **Cat. no.**	
Measurement pick-off terminal MAG **Cat. no.**	
Individual covers AD **Cat. no.**	
Allen key socket wrench ISKS **Cat. no.**	
Screwdriver SDB **Cat. no.**	
Quick marking PMC SB **Cat. no.**	

More accessories starting on page 264.

RK 50-D	RK 95-D	RK 150-D	RK 240-D	MAG...
 M 6	M 8	 M 10	 M 10	M 4
				
Feed-through terminal 2 connections	Feed-through terminal 2 connections	Feed-through terminal 2 connections	Feed-through terminal 2 connections	Pick-off terminal 1 connection
Screw connection	**Screw connection**	**Screw connection**	**Screw connection**	
109 x 20 x 65.75	109 x 25 x 77.5	109 x 31 x 99	109 x 36 x 112.8	
Qty.	**Qty.**	**Qty.**	**Qty.**	**Qty.**
RK 50-D BG **1582.2** 10	RK 95-D BG **1583.2** 10	RK 150-D BG **1584.2** 5	RK 240-D BG **1585.2** 5	MAG 50 BG **1121.2** 10
RK 50-D BU **1582.5** 10	RK 95-D BU **1583.5** 10	RK 150-D BU **1584.5** 5	RK 240-D BU **1585.5** 5	MAG 95 BG **1123.2** 10
				MAG 150/240 BG **1125.2** 10
.2 .5	.2 .5	.2 .5	.2 .5	
IEC **CSAus** **CSA**	**IEC** **CSAus** **CSA**	**IEC** **CSAus** **CSA**	**IEC** **CSAus** **CSA**	**IEC**
1000 600 600	1000 600 600	1000 600 600	1000 600 600	1000
150 150 150	232 230 230	309 275 275	380 370 370	57
50 | 1/0-6	95 | 4/0-2	150 | 300-2	240 | 500-2/0	10 | 22-8
8 | 3	8 | 3	8 | 3	8 | 3	6 | 3
B10 | V2	B12 | V2	B14 | V2	B16 | V2	A5 | V2
16-50 | 25-50	25-95 | 35-95	35-150 | 50-150	70-240 | 70-240	0.2-10 | 0.2-10
25-50 | 25-50	35-95 | 35-95	50-150 | 50-150	70-240 | 70-185	0.2-10 | 0.2-10
16-50	25-95	35-150	70-240	0.2-10
27	30	38	37	12
3-6 | Hexagon socket M6	6-12 | Hexagon socket M8	10-20 | Hexagon socket M10	10-20 | Hexagon socket M10	1.2-2.0 |Slotted M4
11.8 x 5	16 x 6	20 x 8	20 x 12	
PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
- | -	- | -	- | -	- | -	- | -
Page **Qty.**	**Page** **Qty.**	**Page** **Qty.**	**Page** **Qty.**	**Page** **Qty.**
AQI 2/50 YE **2763.2** 293 5	AQI 2/95 YE **2765.2** 294 5	AQI 2/150 YE **2767.2** 294 5	AQI 2/240 YE **2769.2** 294 5	
AQI 3/50 YE **2764.2** 293 5	AQI 3/95 YE **2766.2** 294 5	AQI 3/150 YE **2768.2** 294 5	AQI 3/240 YE **2770.2** 294 5	
EP 50 **2274.0** 41 10	EP 95 **2275.0** 41 10	EP 150 **2277.0** 41 10	EP 240 **2360.0** 41 10	
			20	
MAG 50 BG **1121.2** 41 10	MAG 95 BG **1123.2** 41 10	MAG 150/240 BG **1125.2** 41 10	MAG 150/240 BG **1125.2** 41 10	
AD 1/50/B YE **2810.0** 311 20	AD 1/95/B YE **2804.0** 311 20	AD 1/150/B YE **2806.0** 311 20	AD 1/240/B YE **2808.0** 311 20	
ISKS 5 **2818.0** 422 1	ISKS 6 **2772.0** 422 1	ISKS 8 **2773.0** 422 1	ISKS 8 **2773.0** 422 1	
				SDB 0.8x4.0 **1087.0** 422 1
PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500

Pluggable connection system PK-TS

The pluggable **PK-TS** connection system was designed to meet the increasing demands for modularity and flexibility within the fields of electrical cabinet and facility construction.

The system allows you to easily integrate separately wired switchboard panels into the complete installation. The wiring which connects the two switchboard panels is fed out of one panel with the **PK-TS** base element. In the second panel, the corresponding cables are attached to the **PKB/PBT** mate.

The **PK-TS** base element is attached to the DIN rail using mounting feet which are fitted either with a **TS15/35** or **TS32/35** combi-foot for mounting on a **TS15**, **TS32** or **TS35** DIN rail.

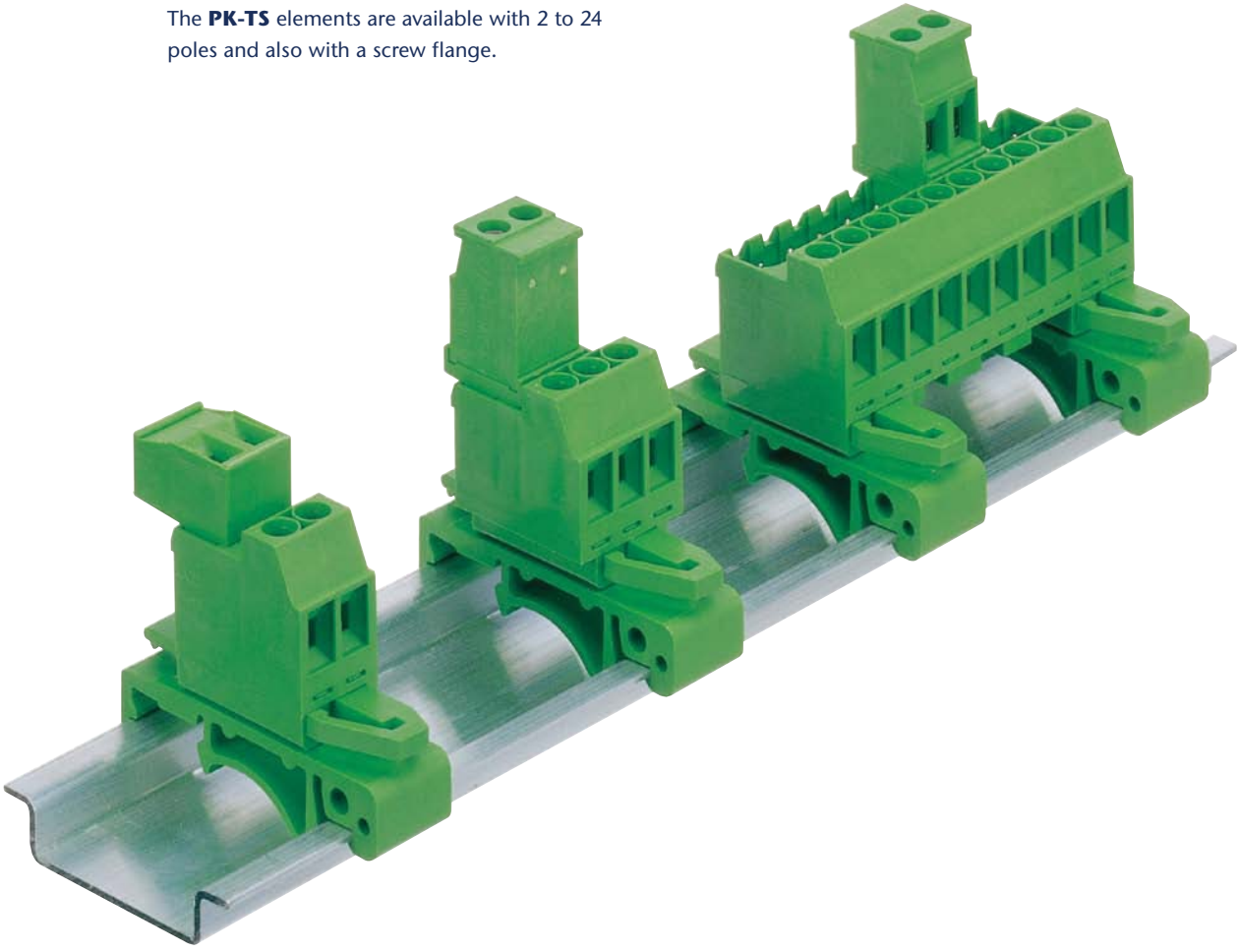
After setting up the switchgear cabinets, both panels can be connected quite easily.

You can determine the type of connection mechanism (clamping yoke or cam) when you select the pluggable **PKB/PBT** component of the connection.
The **PK-TS** elements are available with 2 to 24 poles and also with a screw flange.

The **PK-TS** base elements with a screw flange use this flange to connect to the pluggable component. This protects them from accidental loosening.

The connection can be made in a variety of directions (as shown on right), depending on the combination selected (**PK-TS** and **PKB/ PBT**).

In order to avoid a plugging error when using multiple **PK-TS**s in one switchgear panel, both the **PK-TS** and the **PKB/PBT** can be coded without pole loss using the established **CONTA-CON** coding system (refer to the **CONTA-CON** Catalogue).



Pluggable connection system PK-TS

Connection examples

PK-TS combined with PKB 950

. Wire entry **PK-TS**:
horizontally from the right

. Wire entry **PKB 950**:
vertically from above

PK-TS combined with PKB 1100

. Wire entry **PK-TS**:
horizontally from the right

. Wire entry **PKB 1100**:
horizontally from the left

PK-TS combined with PKB 1110

. Wire entry **PK-TS**:
horizontally from the right

. Wire entry **PKB 1110**:
horizontally from the right

PK-TS combined with PBT 1200

. Wire entry **PK-TS**:
horizontally from the right

. Wire entry **PBT 1200**:
vertically from above, screw connection
also vertically from above.

Pluggable connection system PK-TS

Screw connection system	PK-TS/.../5.08/15	PK-TS/.../5.08	PK-TS/.../5.08-F/15

- Foot can be snapped on TS 15, TS 32 and TS 35 DIN rails
- Housing made from polyamide 6.6 UL 94-V0

Connection type	Screw connection	Qty.	Screw connection	Qty.	Screw connection	Qty.
Type/colour	PK-TS/2/5.08/15 GN		PK-TS/2/5.08 GN		PK-TS/2/5.08-F/15 GN	
Cat. no.	**13175.1**	50	**12319.1**	50	**13825.1**	50
Type/colour	PK-TS/3/5.08/15 GN		PK-TS/3/5.08 GN		PK-TS/3/5.08-F/15 GN	
Cat. no.	**13176.1**	50	**12320.1**	50	**13826.1**	50
Type colour	PK-TS/4/5.08/15 GN		PK-TS/4/5.08 GN		PK-TS/4/5.08-F/15 GN	
Cat. no.	**13177.1**	50	**12321.1**	50	**13827.1**	50
Type colour	PK-TS/5/5.08/15 GN		PK-TS/5/5.08 GN		PK-TS/5/5.08-F/15 GN	
Cat. no.	**13178.1**	50	**12322.1**	50	**13828.1**	50
Type colour	PK-TS/6/5.08/15 GN		PK-TS/6/5.08 GN		PK-TS/6/5.08-F/15 GN	
Cat. no.	**13179.1**	50	**12323.1**	50	**13829.1**	50
Type colour	PK-TS/7/5.08/15 GN		PK-TS/7/5.08 GN		PK-TS/7/5.08-F/15 GN	
Cat. no.	**13180.1**	50	**12324.1**	50	**13830.1**	50
Type colour	PK-TS/8/5.08/15 GN		PK-TS/8/5.08 GN		PK-TS/8/5.08-F/15 GN	
Cat. no.	**13181.1**	50	**12325.1**	50	**13831.1**	50
Type colour	PK-TS/9/5.08/15 GN		PK-TS/9/5.08 GN		PK-TS/9/5.08-F/15 GN	
Cat. no.	**13182.1**	50	**12326.1**	50	**13832.1**	50
Type colour	PK-TS/10/5.08/15 GN		PK-TS/10/5.08 GN		PK-TS/10/5.08-F/15 GN	
Cat. no.	**13183.1**	50	**12327.1**	50	**13833.1**	50
Type colour	PK-TS/11/5.08/15 GN		PK-TS/11/5.08 GN		PK-TS/11/5.08-F/15 GN	
Cat. no.	**13184.1**	25	**12328.1**	25	**13834.1**	25
Type colour	PK-TS/12/5.08/15 GN		PK-TS/12/5.08 GN		PK-TS/12/5.08-F/15 GN	
Cat. no.	**13185.1**	25	**12329.1**	25	**13835.1**	25
Type colour	PK-TS/13/5.08/15 GN		PK-TS/13/5.08 GN		PK-TS/13/5.08-F/15 GN	
Cat. no.	**13186.1**	25	**12330.1**	25	**13836.1**	25
Type colour	PK-TS/14/5.08/15 GN		PK-TS/14/5.08 GN		PK-TS/14/5.08-F/15 GN	
Cat. no.	**13187.1**	25	**12331.1**	25	**13837.1**	25
Type colour	PK-TS/15 GN/5.08/15 GN		PK-TS/15/5.08 GN		PK-TS/15 GN/5.08-F/15 GN	
Cat. no.	**13188.1**	25	**12332.1**	25	**13838.1**	25
Type colour	PK-TS/16/5.08/15 GN		PK-TS/16/5.08 GN		PK-TS/16/5.08-F/15 GN	
Cat. no.	**13189.1**	25	**12333.1**	25	**13839.1**	25
Type colour	PK-TS/17/5.08/15 GN		PK-TS/17/5.08 GN		PK-TS/17/5.08-F/15 GN	
Cat. no.	**13190.1**	25	**12334.1**	25	**13840.1**	25
Type colour	PK-TS/18/5.08/15 GN		PK-TS/18/5.08 GN		PK-TS/18/5.08-F/15 GN	
Cat. no.	**13191.1**	25	**12335.1**	25	**13841.1**	25
Type colour	PK-TS/19/5.08/15 GN		PK-TS/19/5.08 GN		PK-TS/19/5.08-F/15 GN	
Cat. no.	**13192.1**	25	**12336.1**	25	**13842.1**	25
Type colour	PK-TS/20/5.08/15 GN		PK-TS/20/5.08 GN		PK-TS/20/5.08-F/15 GN	
Cat. no.	**13193.1**	25	**12337.1**	25	**13843.1**	25
Type colour	PK-TS/21/5.08/15 GN		PK-TS/21/5.08 GN		PK-TS/21/5.08-F/15 GN	
Cat. no.	**13194.1**	25	**12338.1**	25	**13844.1**	25
Type colour	PK-TS/22/5.08/15 GN		PK-TS/22/5.08 GN		PK-TS/22/5.08-F/15 GN	
Cat. no.	**13195.1**	25	**12339.1**	25	**13845.1**	25
Type colour	PK-TS/23/5.08/15 GN		PK-TS/23/5.08 GN		PK-TS/23/5.08-F/15 GN	
Cat. no.	**13196.1**	25	**12340.1**	25	**13846.1**	25
Type colour	PK-TS/24/5.08/15 GN		PK-TS/24/5.08 GN		PK-TS/24/5.08-F/15 GN	
Cat. no.	**13197.1**	25	**12341.1**	25	**13847.1**	25
Colours available	.1		.1		.1	

Ratings	IEC	UL	CUL	IEC	UL	CUL	IEC	UL	CUL
Rated voltage, V	250	300	300	250	300	300	250	300	300
Rated current, A	12	15	15	12	15	15	12	15	15
Rated wire cross-section mm²/AWG	2.5 | 28-12			2.5 | 28-12			2.5 | 28-12		
Rated impulse voltage, kV | Contamination degree	4 | 3			4 | 3			4 | 3		
Plug gauge acc. to EN 60 947-1/Flammability class UL94	A3 | V0			A3 | V0			A3 | V0		
Connection data									
Single wire (solid) / Stranded mm²	0.2-2.5 | -			0.2-2.5 | -			0.2-2.5 | -		
Finely stranded/finely stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-2.5 | 0.2-2.5			0.2-2.5 | 0.2-2.5			0.2-2.5 | 0.2-2.5		
Contact wire range mm²	0.2-2.5			0.2-2.5			0.2-2.5		
Stripping length, mm	6			6			6		

Accessories	Qty.	Qty.	Qty.
Coding	K 2 RD	K 2 RD	K 2 RD
Cat. no.	**12003.9** 100	**12003.9** 100	**12003.9** 100
labelling card BK	BK 1-12/5.08	BK 1-12/5.08	BK 1-12/5.08
Cat. no.	**2960.0** 10	**2960.0** 10	**2960.0** 10
labelling card BK	BK 1-24/5.08	BK 1-24/5.08	BK 1-24/5.08
Cat. no.	**2961.0** 10	**2961.0** 10	**2961.0** 10

More accessories starting on page 264.

PK-TS/.../5.08-F

Screw connection	Qty.
PK-TS/2/5.08-F GN **13848.1**	50
PK-TS/3/5.08-F GN **13849.1**	50
PK-TS/4/5.08-F GN **13850.1**	50
PK-TS/5/5.08-F GN **13851.1**	50
PK-TS/6/5.08-F GN **13852.1**	50
PK-TS/7/5.08-F GN **13853.1**	50
PK-TS/8/5.08-F GN **13854.1**	50
PK-TS/9/5.08-F GN **13855.1**	50
PK-TS/10/5.08-F GN **13856.1**	50
PK-TS/11/5.08-F GN **13857.1**	25
PK-TS/12/5.08-F GN **13858.1**	25
PK-TS/13/5.08-F GN **13859.1**	25
PK-TS/14/5.08-F GN **13860.1**	25
PK-TS/15/5.08-F GN **13861.1**	25
PK-TS/16/5.08-F GN **13862.1**	25
PK-TS/17/5.08-F GN **13863.1**	25
PK-TS/18/5.08-F GN **13864.1**	25
PK-TS/19/5.08-F GN **13865.1**	25
PK-TS/20/5.08-F GN **13866.1**	25
PK-TS/21/5.08-F GN **13867.1**	25
PK-TS/22/5.08-F GN **13868.1**	25
PK-TS/23/5.08-F GN **13869.1**	25
PK-TS/24/5.08-F GN **13870.1**	25

(1)

IEC	UL	CUL
250	300	300
12	1515	
-	28-12	
4	3	
A3	V0	

0.2-2.5 | -
0.2-2.5 | 0.2-2.5
0.2-2.5
6

Qty.
K 2 RD **12003.9** 100
BK 1-12/5.08 **2960.0** 10
BK 1-24/5.08 **2961.0** 10

Pluggable connection system PK-TS

Screw connection system	PKB 950/.../5.08	PKB 950/.../5.08/F	PKB 1100/.../5.08
• Housing made from polyamide 6.6 UL 94-V0			

Connection type	Screw connection	Qty.	Screw connection	Qty.	Screw connection	Qty.
Type colour	PKB 950/2/5.08 GN		PKB 950/2/5.08/F GN		PKB 1100/2/5.08 GN	
Cat. no.	**11230.1**	50	**11277.1**	50	**11305.1**/50	50
Type/colour	PKB 950/3/5.08 GN		PKB 950/3/5.08/F GN		PKB 1100/3/5.08 GN	
Cat. no.	**11231.1**	50	**11278.1**	50	**11306.1**	50
Type colour	PKB 950/4/5.08 GN		PKB 950/4/5.08/F GN		PKB 1100/4/5.08 GN	
Cat. no.	**11232.1**	50	**11279.1**	50	**11307.1**	50
Type colour	PKB 950/5/5.08 GN		PKB 950/5/5.08/F GN		PKB 1100/5/5.08 GN	
Cat. no.	**11233.1**	50	**11280.1**	50	**11308.1**	50
Type colour	PKB 950/6/5.08 GN		PKB 950/6/5.08/F GN		PKB 1100/6/5.08 GN	
Cat. no.	**11234.1**	50	**11281.1**	50	**11309.1**	50
Type colour	PKB 950/7/5.08 GN		PKB 950/7/5.08/F GN		PKB 1100/7/5.08 GN	
Cat. no.	**11235.1**	50	**11282.1**	50	**11310.1**	50
Type colour	PKB 950/8/5.08 GN		PKB 950/8/5.08/F GN		PKB 1100/8/5.08 GN	
Cat. no.	**11236.1**	50	**11283.1**	50	**11311.1**	50
Type colour	PKB 950/9/5.08 GN		PKB 950/9/5.08/F GN		PKB 1100/9/5.08 GN	
Cat. no.	**11237.1**	50	**11284.1**	50	**11312.1**	50
Type colour	PKB 950/10/5.08 GN		PKB 950/10/5.08/F GN		PKB 1100/10/5.08 GN	
Cat. no.	**11238.1**	50	**11285.1**	50	**11313.1**	50
Type colour	PKB 950/11/5.08 GN		PKB 950/11/5.08/F GN		PKB 1100/11/5.08 GN	
Cat. no.	**11239.1**	50	**13212.1**	50	**11314.1**	50
Type colour	PKB 950/12/5.08 GN		PKB 950/12/5.08/F GN		PKB 1100/12/5.08 GN	
Cat. no.	**11240.1**	50	**13213.1**	50	**11315.1**	50
Type colour	PKB 950/13/5.08 GN		PKB 950/13/5.08/F GN		PKB 1100/13/5.08 GN	
Cat. no.	**11241.1**	50	**13214.1**	50	**11316.1**	50
Type colour	PKB 950/14/5.08 GN		PKB 950/14/5.08/F GN		PKB 1100/14/5.08 GN	
Cat. no.	**11242.1**	50	**13215.1**	50	**11317.1**	50
Type colour	PKB 950/15/5.08 GN		PKB 950/15/5.08/F GN		PKB 1100/15/5.08 GN	
Cat. no.	**11243.1**	50	**13216.1**	50	**11318.1**	50
Type colour	PKB 950/16/5.08 GN		PKB 950/16/5.08/F GN		PKB 1100/16/5.08 GN	
Cat. no.	**11244.1**	50	**13217.1**	50	**11319.1**	50
Type colour	PKB 950/17/5.08 GN		PKB 950/17/5.08/F GN			
Cat. no.	**11245.1**	50	**13218.1**	50		
Type colour	PKB 950/18/5.08 GN		PKB 950/18/5.08/F GN			
Cat. no.	**11246.1**	50	**13219.1**	50		
Type colour	PKB 950/19/5.08 GN		PKB 950/19/5.08/F GN			
Cat. no.	**11247.1**	50	**13220.1**	50		
Type colour	PKB 950/20/5.08 GN		PKB 950/20/5.08/F GN			
Cat. no.	**11248.1**	50	**13221.1**	50		
Type colour	PKB 950/21/5.08 GN		PKB 950/21/5.08/F GN			
Cat. no.	**11249.1**	50	**13222.1**	50		
Type colour	PKB 950/22/5.08 GN		PKB 950/22/5.08/F GN			
Cat. no.	**11250.1**	50	**13223.1**	50		
Type colour	PKB 950/23/5.08 GN		PKB 950/23/5.08/F GN			
Cat. no.	**11251.1**	50	**13707.1**	50		
Type colour	PKB 950/24/5.08 GN		PKB 950/24/5.08/F GN			
Cat. no.	**11252.1**	50	**13708.1**	50		
Colours available	(1)		(1)		(1)	
Ratings	**IEC**	**UL**	**CUL**	**IEC**	**UL**	**CUL**	**IEC**	**UL**	**CUL**
Rated voltage, V	250	300	300	250	300	300	250	300	300
Rated current, A	12	15	15	12	15	15	12	15	15
Rated wire cross-section mm²/AWG	- | 22-12			- | 22-12			- | 22-10		
Rated impulse voltage, kV | Contamination degree	4 | 3			4 | 3			4 | 3		
Plug gauge acc. to EN 60 947-1/Flammability class UL94	- | V0			- | V0			- | V0		
Connection data									
Single wire (solid) / Stranded mm²	0.2-2.5 | -			0.2-2.5 | -			0.2-2.5 | -		
Flexible/Flexible (w/ferrules acc. to DIN 46 228/1) mm²	0.2-2.5 | -			0.2-2.5 | -			0.2-2.5 | -		
Contact wire range mm²	0.2-2.5			0.2-2.5			0.2-2.5		
Stripping length, mm	6			6			7		
Accessories		**Qty.**			**Qty.**			**Qty.**
Coding	K 1 RD			K 1 RD			K 1 RD	
Cat. no.	**12002.9**	100		**12002.9**	100		**12002.9**	100
labelling card BK	BK 1-12/5.08			BK 1-12/5.08			BK 1-12/5.08	
Cat. no.	**2960.0**	10		**2960.0**	10		**2960.0**	10
labelling card BK	BK 1-24/5.08			BK 1-24/5.08			BK 1-24/5.08	
Cat. no.	**2961.0**	10		**2961.0**	10		**2961.0**	10

More accessories starting on page 264.

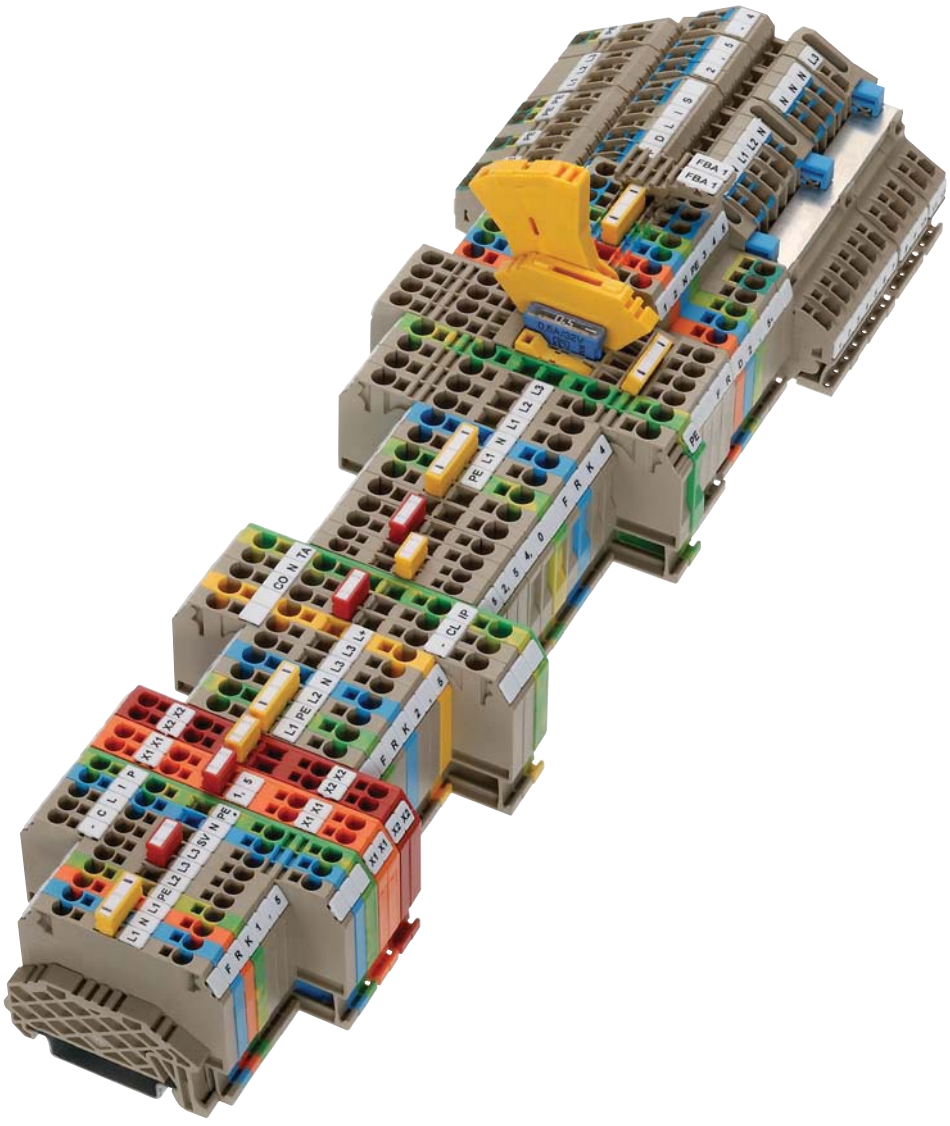
PKB 1110/.../5.08	PBT 1200/.../5.08			
Screw connection **Qty.**	**Screw connection** **Qty.**			
PKB 1110/2/5.08 GN **11339.1** 50	PBT 1200/2/5.08 GN **11354.1** 50			
PKB 1110/3/5.08 GN **11340.1** 50	PBT 1200/3/5.08 GN **11355.1** 50			
PKB 1110/4/5.08 GN **11341.1** 50	PBT 1200/4/5.08 GN **11356.1** 50			
PKB 1110/5/5.08 GN **11342.1** 50	PBT 1200/5/5.08 GN **11357.1** 50			
PKB 1110/6/5.08 GN **11343.1** 50	PBT 1200/6/5.08 GN **11358.1** 50			
PKB 1110/7/5.08 GN **11344.1** 50	PBT 1200/7/5.08 GN **11359.1** 50			
PKB 1110/8/5.08 GN **11345.1** 50	PBT 1200/8/5.08 GN **11360.1** 50			
PKB 1110/9/5.08 GN **11346.1** 50	PBT 1200/9/5.08 GN **11361.1** 50			
PKB 1110/10/5.08 GN **11347.1**/50 50	PBT 1200/10/5.08 GN **11362.1** 50			
PKB 1110/11/5.08 GN **11348.1** 50	PBT 1200/11/5.08 GN **11363.1** 50			
PKB 1110/12/5.08 GN **11349.1** 50	PBT 1200/12/5.08 GN **11364.1** 50			
PKB 1110/13/5.08 GN **11350.1** 50	PBT 1200/13/5.08 GN **11365.1** 50			
PKB 1110/14/5.08 GN **11351.1** 50	PBT 1200/14/5.08 GN **11366.1** 50			
PKB 1110/15/5.08 GN **11352.1** 50	PBT 1200/15/5.08 GN **11367.1** 50			
PKB 1110/16/5.08 GN **11353.1** 50	PBT 1200/16/5.08 GN **11368.1** 50			
	PBT 1200/17/5.08 GN **11369.1** 50			
	PBT 1200/18/5.08 GN **11370.1** 50			
	PBT 1200/19/5.08 GN **11371.1** 50			
	PBT 1200/20/5.08 GN **11372.1** 50			
	PBT 1200/21/5.08 GN **11373.1** 50			
	PBT 1200/22/5.08 GN **11374.1** 50			
	PBT 1200/23/5.08 GN **11375.1** 50			
	PBT 1200/24/5.08 GN **11376.1** 50			
.1	.1			
IEC **UL** **CUL**	**IEC** **UL** **CUL**			
250 300 300	250 300 300			
12 15 15	12 15 15			
- | 22-10	- | 22-10			
4 | 3	4 | 3			
- | V0	- | V0			
0.2-2.5 | -	0.2-2.5 | -			
0.2-2.5 | -	0.2-2.5 | -			
0.2-2.5	0.2-2.5			
7	10			
Qty.	**Qty.**			
K 1 RD **12002.9**/100 100	K 1 RD **12002.9** 100			
BK 1-12/5.08 **2960.0**/10 10	BK 1-12/5.08 **2960.0** 10			
BK 1-24/5.08 **2961.0**/10 10	BK 1-24/5.08 **2961.0** 10			

Pressure-spring connection system FRK | FSL *Proven – Safe – Reliable*

CONTA-CLIP offers an innovative line of products with the pressure-spring connection system. They range from the smallest cross-sections of 0.2 mm^2 up to 4 mm^2 in feed-through, PE, disconnect, fuse and installation terminal versions.

This system can be used for a large variety of applications with only a minimal number of accessory parts. The pressure-spring TOP mechanism provides safe and quick connections for solid and stranded wires, with or without wire-end ferrules. Our well-designed line of accessories allows you to significantly reduce your installation and storage costs. The **FQI** pluggable potential distribution system can be used to multiply potential voltages vertically. For this product line, **CONTA-CLIP** uses pollutant-free insulating material with a V0 flammability class that is self-extinguishing in accordance with UL 94.

As with all **CONTA-CLIP** PE terminals, the **FSL** terminals also implement a two-sided contact with the DIN rail. In all the **FSL** series, the foot construction and busbar are made of a single piece of copper. This solid, contiguous construction guarantees low contact resistance as well as the high security of the internal-spring PE contact foot.



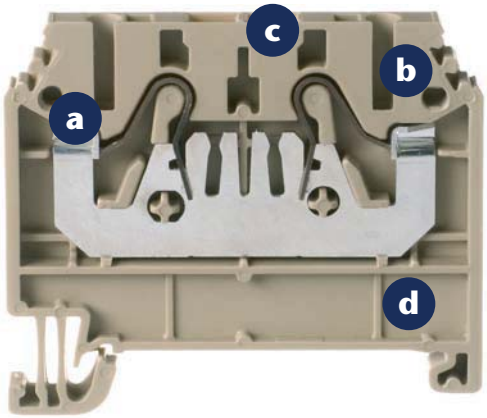
Pressure-spring connection system FRK | FSL

Features

a The connection | Secure contact

The pressure spring at the wire connection is held securely by the positioned busbar.

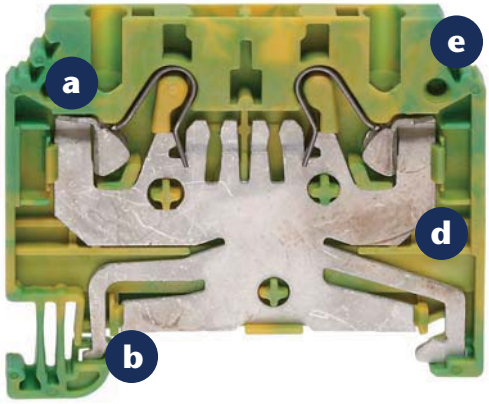
- The stainless steel spring provides permanent contact force between the wire and the busbar.
- Clear separation of electrical and mechanical functions
- The busbars are made from copper with surface coating (tin)
- One-piece construction of busbar and PE foot contact with no contact resistances
- Resistant to vibration and maintenance-free
- Corrosion-free
- Space-saving design

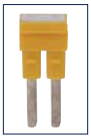


b Wiring is simple and quick – no tools needed for the connection

The easy-to-operate pressure-spring connection mechanism – for solid and stranded wires with wire-end ferrules – reduces wiring time by up to 80%.

- Easy to work with
- Connection without tools
- Generous wire-entry geometry
- Easy to operate, even under cramped working conditions, because of the TOP connection
- Saves time and money
- PE foot contact on both sides – can be snapped on (no screws) to **TS 35x7.5** and **TS 35x15** rails.





c Pluggable cross-connection options

Distributing potentials with the pluggable **SQI** cross-connection system is quick and easy. Two cross-connection channels allow two voltages to be fed across when working with the standard terminals with rated cross-sections of 1.5 mm², 2.5 mm² and 4 mm².

- Available with from 2 to 10 poles
- Simple to insert and thus quicker to install
- No insulation plate or partition plate is required between a neighbouring cross-connection, since the **FQI** has a touch-safe protective design.
- The cross-connections can carry the full rated current and rated voltage of the corresponding terminal block.
- Individual terminals can be skipped over by breaking out contact pins in the cross-connector.

d Housing insulation material

- Polyamide PA6.6 UL 94, flamm. class V0, self-extinguishing without burning drops
- Free of hazardous materials such as halogen or phosphor
- Creepage resistance: CTI 600
- Operating temperature from -40°C to +120°C

e Marking options

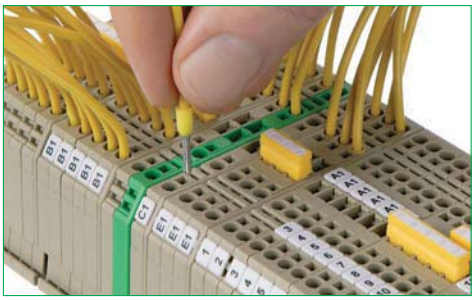
One marking option per connection. If both cross-connection channels are not being used, two additional markers can be positioned with the standard terminals of 1.5 mm² to 4 mm².

Pressure-spring connection system FRK | FSL

An overview of the advantages

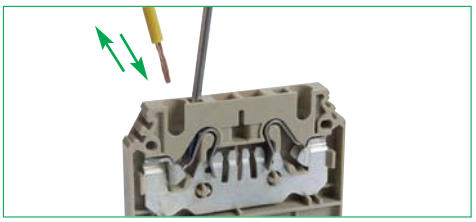
Connection without tools

The **FRK** direct-insert connection requires much less insertion force. This makes it easy to insert solid or stranded wires with wire-end ferrules. The rated cross-sections specified in our documentation correspond to a connection with stranded wires using wire-end ferrules. It is also possible to use solid wires up to the next larger cross-section size.



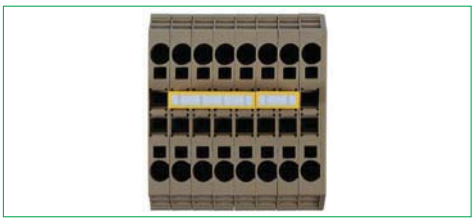
Releasing and separating the contact

A standard screwdriver can be used to open the pressure spring to release a wire, or to contact a stranded wire without a ferrule.



Cross-connection system

When using a doubled cross-connection channel, the two-pole **FQI.../2** cross-connectors can be used to connect any number of terminals with each other.



Distributing potentials

The cross-connector is available with from 2 to 10 poles. Two cross-connection channels allow two voltages to be fed across when working with the standard terminals with rated cross-sections of 1.5 mm^2, 2.5 mm^2 and 4 mm^2.

Skip-over bridging

It is possible to skip over terminal blocks by breaking out individual contact poles. Separated contact elements can be labelled using the plastic insulation of the cross-connector.

Power feed with small cross-sections

With pressure-spring terminals of larger cross-sections, standard cross-connectors can connect to a single terminal of the next size up for the power feed-in. The **FQI** cross-connection system can carry the rated voltage and rated current.

Pressure-spring connection system FRK | FSL

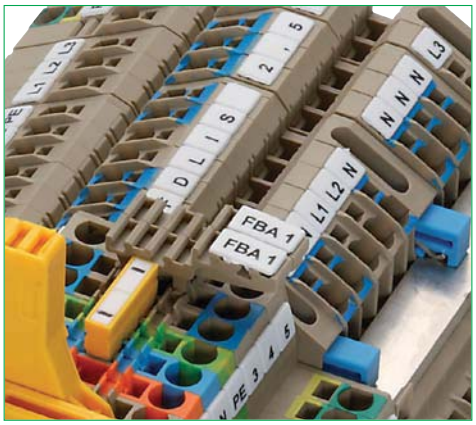
An overview of the advantages

labelling

High-quality, quick and concise labelling is possible when using the **PMC SB**, **PMC BSTR** or **MC** labelling systems. The standard terminals feature up to four labelling channels.

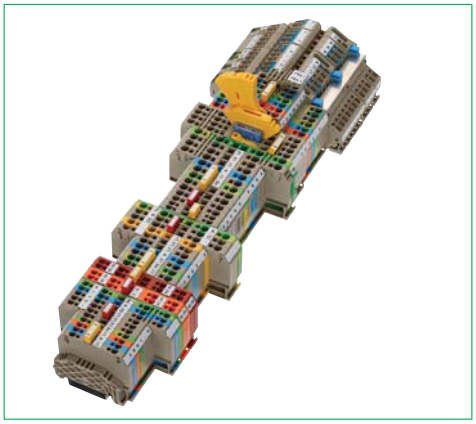
Special marking options

For the multi-level terminals, in addition to the standard holder in the terminal housing you can also make clear labels – even when the terminal is wired up – by using the **FBA** identification adapter. The pluggable **FBA** is attached to the middle of the terminal housing.



An effective and comprehensive range

The feed-through and PE terminals with cross-sections of 1.5mm², 2.5 mm² and 4 mm² are available in two-wire, three-wire and four-wire versions. The standard feed-through terminals in 1.5 mm², 2.5 mm² and 4 mm² have two bridging channels. The product line also includes standard terminals and functional terminals including fused terminals, initiator terminals, disconnect terminals and installation terminals.



A comprehensive line of accessories

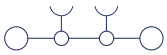
is available starting at page 264.

- DIN rails
- Mechanical attachment | end stop
- Group marker holders
- End plates | Visual separation
- Cross-connections (Potential distribution)
- Covers

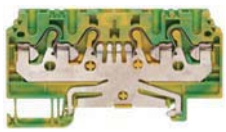
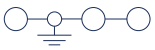
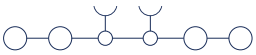
Feed-through terminals FRK | Protective earth terminals FSL

Pressure-spring connection system

- Foot can be snapped on TS 35 DIN rail
- Housing made from polyamide 6.6 UL 94-V0

	FRK 1.5/2A	FSL 1.5/2A	FRK 1.5/3A
Connection diagram			
	Feed-through terminal 2 connections	Protective earth terminal 2 connections	Feed-through terminal 3 connections
Connection type	**Pressure-spring system**	**Pressure-spring system**	**Pressure-spring system**
Size (L x W x H), mm with TS 35 x 7.5 mm	48.5 x 4.1 x 43	48.5 x 4.1 x 43	59.5 x 4.1 x 43
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	FRK 1.5/2A BG	FSL 1.5/2A GNYE	FRK 1.5/3A BG
Cat. no.	**3200.2** 100	**3203.2** 100	**3201.2** 100
Type colour	FRK 1.5/2A BU		FRK 1.5/3A BU
Cat. no.	**3200.5** 100		**3201.5** 100
Type colour	FRK 1.5/2A OG		FRK 1.5/3A OG
Cat. no.	**3200.3** 100		**3201.3** 100
Type colour			
Cat. no.			
Colours available	.2 .5 .3 .1 .8 .9	.2	.2 .5 .3 .1 .8 .9
Ratings	**IEC CSAus CSA**	**IEC CSAus CSA**	**IEC CSAus CSA**
Rated voltage, V	800 300 300		800 300 300
Rated current, A	17,5 16 16		17,5 16 16
Rated wire cross-section, mm² | AWG	1.5 | 24-16	1.5 | 24-16	1.5 | 24-16
Rated impulse voltage, kV | Contamination degree	8 | 3	8 | 3	8 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A1 | V0	A1 | V0	A1 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.2-1.5 | -	0.2-1.5 | -	0.2-1.5 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-1.5 | 0.2-1.5	0.2-1.5 | 0.2-1.5	0.2-1.5 | 0.2-1.5
Contact wire range, mm²	0.2-1.5	0.2-1.5	0.2-1.5
Stripping length, mm	12	12	12
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels |Test pick-off	2 | -	2 | -	2 | -
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
FAP end plate	FAP 1.5-4/2A BG	FAP 1.5-4/2A GN	FAP 1.5/3A BG
Cat. no.	**3400.2** 279 20	**3400.1** 279 20	**3401.2** 279 20
Insulated cross-connector FQI 2 poles	FQI 1.5/2 YE		FQI 1.5/2 YE
Cat. no.	**3452.8** 302 50		**3452.8** 302 50
Insulated cross-connector FQI 3 poles	FQI 1.5/3 YE		FQI 1.5/3 YE
Cat. no.	**3453.8** 302 50		**3453.8** 302 50
Insulated cross-connector FQI 4 poles	FQI 1.5/4 YE		FQI 1.5/4 YE
Cat. no.	**3454.8** 302 20		**3454.8** 302 20
Insulated cross-connector FQI 5 poles	FQI 1.5/5 YE		FQI 1.5/5 YE
Cat. no.	**3455.8** 302 20		**3455.8** 302 20
Insulated cross-connector FQI 6 poles	FQI 1.5/6 YE		FQI 1.5/6 YE
Cat. no.	**3456.8** 302 20		**3456.8** 302 20
Insulated cross-connector FQI 7 poles	FQI 1.5/7 YE		FQI 1.5/7 YE
Cat. no.	**3457.8** 302 20		**3457.8** 302 20
Insulated cross-connector FQI 8 poles	FQI 1.5/8 YE		FQI 1.5/8 YE
Cat. no.	**3458.8** 302 10		**3458.8** 302 10
Insulated cross-connector FQI 9 poles	FQI 1.5/9 YE		FQI 1.5/9 YE
Cat. no.	**3459.8** 302 10		**3459.8** 302 10
Insulated cross-connector FQI 10 poles	FQI 1.5/10 YE		FQI 1.5/10 YE
Cat. no.	**3450.8** 302 10		**3450.8** 302 10
Labelling adapter FBA			
Cat. no.			
Four-way cover FAD	FAD 1.5/4/B YE	FAD 1.5/4/B YE	FAD 1.5/4/B YE
Cat. no.	**3425.8** 314 20	**3425.8** 314 20	**3425.8** 314 20
End stop ZES	ES 35/2 BG	ES 35/2 BG	ES 35/2 BG
Cat. no.	**3811.2** 275 50	**3811.2** 275 50	**3811.2** 275 50
Screwdriver SDB	SDB 0,4x2.0.0	SDB 0,4x2.0.0	SDB 0,4x2.0.0
Cat. no.	**3164.0** 422 1	**3164.0** 422 1	**3164.0** 422 1
Quick marking PMC SB	PMC SB 4/50 WH	PMC SB 4/50 WH	PMC SB 4/50 WH
Cat. no.	**4820.7** 338 500	**4820.7** 338 500	**4820.7** 338 500

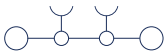
More accessories starting on page 264.

FSL 1.5/3A	FRK 1.5/4A	FSL 1.5/4A		
				
				
Protective earth terminal 3 connections	Feed-through terminal 4 connections	Protective earth terminal 4 connections		
Pressure-spring system	**Pressure-spring system**	**Pressure-spring system**		
59.5 x 4.1 x 43	72.2 x 4.1 x 43	72.2 x 4.1 x 43		
Qty.	**Qty.**	**Qty.**		
FSL 1.5/3A GNYE **3204.2** 100	FRK 1.5/4A BG **3202.2** 100	FSL 1.5/4A GNYE **3205.2** 100		
	FRK 1.5/4A BU **3202.5** 100			
	FRK 1.5/4A OG **3202.3** 100			
(2)	(.2) (.5) (3) (1) (8) (9)	(2)		
IEC **CSAus** **CSA**	**IEC** **CSAus** **CSA**	**IEC** **CSAus** **CSA**		
	800 300 300			
	17,5 16 16			
1.5 | 24-16	1.5 | 24-16	1.5 | 24-16		
8 | 3	8 | 3	8 | 3		
A1 | V0	A1 | V0	A1 | V0		
0.2-1.5 | -	0.2-1.5 | -	0.2-1.5 | -		
0.2-1.5 | 0.2-1.5	0.2-1.5 | 0.2-1.5	0.2-1.5 | 0.2-1.5		
0.2-1.5	0.2-1.5	0.2-1.5		
12	12	12		
PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C		
2 | -	2 | -	2 | -		
Page **Qty.**	**Page** **Qty.**	**Page** **Qty.**		
FAP 1.5/3A GN **3401.1** 279 20	FAP 1.5/4A BG **3402.2** 279 20	FAP 1.5/4A GN **3402.1** 279 20		
	FQI 1.5/2 YE **3452.8** 302 50			
	FQI 1.5/3 YE **3453.8** 302 50			
	FQI 1.5/4 YE **3454.8** 302 20			
	FQI 1.5/5 YE **3455.8** 302 20			
	FQI 1.5/6 YE **3456.8** 302 20			
	FQI 1.5/7 YE **3457.8** 302 20			
	FQI 1.5/8 YE **3458.8** 302 10			
	FQI 1.5/9 YE **3459.8** 302 10			
	FQI 1.5/10 YE **3450.8** 302 10			
FAD 1.5/4/B YE **3425.8** 314 20	FAD 1.5/4/B YE **3425.8** 314 20	FAD 1.5/4/B YE **3425.8** 314 20		
ES 35/2 BG **3811.2** 275 50	ES 35/2 BG **3811.2** 275 50	ES 35/2 BG **3811.2** 275 50		
SDB 0,4x2.0.0 **3164.0** 422 1	SDB 0,4x2.0.0 **3164.0** 422 1	SDB 0,4x2.0.0 **3164.0** 422 1		
PMC SB 4/50 WH **4820.7** 338 500	PMC SB 4/50 WH **4820.7** 338 500	PMC SB 4/50 WH **4820.7** 338 500		

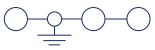
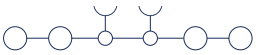
Feed-through terminals FRK | Protective earth terminals FSL

Pressure-spring connection system

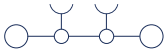
- Foot can be snapped on TS 35 DIN rail
- Housing made from polyamide 6.6 UL 94-V0

	FRK 2.5/2A	FSL 2.5/2A	FRK 2.5/3A
Connection diagram			
	Feed-through terminal 2 connections	Protective earth terminal 2 connections	Feed-through terminal 3 connections
Connection type	**Pressure-spring system**	**Pressure-spring system**	**Pressure-spring system**
Size (L x W x H), mm with TS 35 x 7.5 mm	48.5 x 5.1 x 43	48.5 x 5.1 x 43	63.1 x 5.1 x 43
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	FRK 2.5/2A BG	FSL 2.5/2A GNYE	FRK 2.5/3A BG
Cat. no.	**3210.2** 100	**3213.2** 100	**3211.2** 100
Type colour	FRK 2.5/2A BU		FRK 2.5/3A BU
Cat. no.	**3210.5** 100		**3211.5** 100
Type colour	FRK 2.5/2A OG		FRK 2.5/3A OG
Cat. no.	**3210.3** 100		**3211.3** 100
Type colour			
Cat. no.			
Colours available	.2 .5 .3 .1 .8 .9	.2	.2 .5 .3 .1 .8 .9
Ratings	**IEC CSAus CSA**	**IEC CSAus CSA**	**IEC CSAus CSA**
Rated voltage, V	800 600 600		800 600 600
Rated current, A	24 21 21		24 21 21
Rated wire cross-section, mm² | AWG	2.5 | 26-12	2.5 | 26-12	2.5 | 26-12
Rated impulse voltage, kV | Contamination degree	8 | 3	8 | 3	8 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V0	A3 | V0	A3 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.2-4 | -	0.2-4 | -	0.2-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5
Contact wire range, mm²	0.2-4	0.2-4	0.2-4
Stripping length, mm	12	12	12
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels |Test pick-off	2 | -	2 | -	2 | -
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
End plate AP	FAP 1.5-4/2A BG	FAP 1.5-4/2A GN	FAP 2.5/3A BG
Cat. no.	**3400.2** 279 20	**3400.1** 279 20	**3411.2** 279 20
Insulated cross-connector FQI	FQI 2.5/2 YE		FQI 2.5/2 YE
Cat. no. 2 poles	**3462.8** 302 50		**3462.8** 302 50
Insulated cross-connector FQI	FQI 2.5/3 YE		FQI 2.5/3 YE
Cat. no. 3 poles	**3463.8** 302 50		**3463.8** 302 50
Insulated cross-connector FQI	FQI 2.5/4 YE		FQI 2.5/4 YE
Cat. no. 4 poles	**3464.8** 302 20		**3464.8** 302 20
Insulated cross-connector FQI	FQI 2.5/5 YE		FQI 2.5/5 YE
Cat. no. 5 poles	**3465.8** 302 20		**3465.8** 302 20
Insulated cross-connector FQI	FQI 2.5/6 YE		FQI 2.5/6 YE
Cat. no. 6 poles	**3466.8** 302 20		**3466.8** 302 20
Insulated cross-connector FQI	FQI 2.5/7 YE		FQI 2.5/7 YE
Cat. no. 7 poles	**3467.8** 302 20		**3467.8** 302 20
Insulated cross-connector FQI	FQI 2.5/8 YE		FQI 2.5/8 YE
Cat. no. 8 poles	**3468.8** 302 10		**3468.8** 302 10
Insulated cross-connector FQI	FQI 2.5/9 YE		FQI 2.5/9 YE
Cat. no. 9 poles	**3469.8** 302 10		**3469.8** 302 10
Insulated cross-connector FQI	FQI 2.5/10 YE		FQI 2.5/10 YE
Cat. no. 10 poles	**3460.8** 302 10		**3460.8** 302 10
Labelling adapter FBA			
Cat. no.			
Four-way cover FAD	FAD 2.5/4/B YE	FAD 2.5/4/B YE	FAD 2.5/4/B YE
Cat. no.	**3426.8** 314 20	**3426.8** 314 20	**3426.8** 314 20
End stop ZES	ZES 35/2 BG	ZES 35/2 BG	ZES 35/2 BG
Cat. no.	**3811.2** 275 50	**3811.2** 275 50	**3811.2** 275 50
Screwdriver SDB	SDB 0.5x3.0	SDB 0.5x3.0	SDB 0.5x3.0
Cat. no.	**1085.0** 422 1	**1085.0** 422 1	**1085.0** 422 1
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	**4600.7** 339 500	**4600.7** 339 500	**4600.7** 339 500

More accessories starting on page 264.

FSL 2.5/3A	FRK 2.5/4A	FSL 2.5/4A		
				
Protective earth terminal 3 connections	Feed-through terminal 4 connections	Protective earth terminal 4 connections		
Pressure-spring system	**Pressure-spring system**	**Pressure-spring system**		
63.1 x 5.1 x 43	77.7 x 5.1 x 43	77.7 x 5.1 x 43		
Qty.	**Qty.**	**Qty.**		
FSL 2.5/3A GNYE **3214.2** 100	FRK 2.5/4A BG **3212.2** 100	FSL 2.5/4A GNYE **3215.2** 100		
	FRK 2.5/4A BU **3212.5** 100			
	FRK 2.5/4A OG **3212.3** 100			
(2)	(2) (5) (3) (1) (8) (9)	(2)		
IEC **CSAus** **CSA**	**IEC** **CSAus** **CSA**	**IEC** **CSAus** **CSA**		
	800 600 600			
	24 21 21			
2.5 | 26-12	2.5 | 26-12	2.5 | 26-12		
8 | 3	8 | 3	8 | 3		
A3 | V0	A3 | V0	A3 | V0		
0.2-4 | -	0.2-4 | -	0.2-4 | -		
0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5		
0.2-4	0.2-4	0.2-4		
12	12	12		
PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C		
2 | -	2 | -	2 | -		
Page **Qty.**	**Page** **Qty.**	**Page** **Qty.**		
FAP 2.5/3A GNY **3411.1** 279 20	FAP 2.5/3A BG **3411.2** 279 20	FAP 2.5/4A GN **3412.1** 279 20		
	FQI 2.5/2 YE **3462.8** 302 50			
	FQI 2.5/3 YE **3463.8** 302 50			
	FQI 2.5/4 YE **3464.8** 302 20			
	FQI 2.5/5 YE **3465.8** 302 20			
	FQI 2.5/6 YE **3466.8** 302 20			
	FQI 2.5/7 YE **3467.8** 302 20			
	FQI 2.5/8 YE **3468.8** 302 10			
	FQI 2.5/9 YE **3469.8** 302 10			
	FQI 2.5/10 YE **3460.8** 302 10			
FAD 2.5/4/B YE **3426.8** 314 20	FAD 2.5/4/B YE **3426.8** 314 20	FAD 2.5/4/B YE **3426.8** 314 20		
ZES 35/2 BG **3811.2** 275 50	ZES 35/2 BG **3811.2** 275 50	ZES 35/2 BG **3811.2** 275 50		
SDB 0.5x3.0 **1085.0** 422 1	SDB 0.5x3.0 **1085.0** 422 1	SDB 0.5x3.0 **1085.0** 422 1		
PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500		

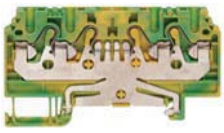
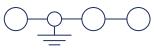
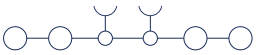
Feed-through terminals FRK | Protective earth terminals FSL

Pressure-spring connection system	FRK 4/2A	FSL 4/2A	FRK 4/3A
• Foot can be snapped on TS 35 DIN rail • Housing made from polyamide 6.6 UL 94-V0			
Connection diagram			
	Feed-through terminal 2 connections	Protective earth terminal 2 connections	Feed-through terminal 3 connections

Connection type	Pressure-spring system	Pressure-spring system	Pressure-spring system
Size (L x W x H), mm with TS 35 x 7.5 mm	48.5 x 6.1 x 43	48.5 x 6.1 x 43	64.3 x 6.1 x 43
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	FRK 4/2A BG	FSL 4/2A GNYE	FRK 4/3A BG
Cat. no.	**3220.2** 100	**3223.2** 100	**3221.2** 100
Type colour	FRK 4/2A BU		FRK 4/3A BU
Cat. no.	**3220.5** 100		**3221.5** 100
Type colour	FRK 4/2A OG		FRK 4/3A OG
Cat. no.	**3220.3** 100		**3221.3** 100
Type colour			
Cat. no.			
Colours available	.2 .5 .3 .1 .8 .9	.2	.2 .5 .3 .1 .8 .9
Ratings	**IEC CSAus CSA**	**IEC CSAus CSA**	**IEC CSAus CSA**
Rated voltage, V	800 600 600		800 600 600
Rated current, A	32 35 35		32 35 35
Rated wire cross-section, mm² | AWG	4 | 20-10	4 | 20-10	4 | 20-10
Rated impulse voltage, kV | Contamination degree	8 | 3	8 | 3	8 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A4 | V0	A4 | V0	A4 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.2-6 | -	0.2-6 | -	0.2-6 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-6 | 0.2-4	0.2-6 | 0.2-4	0.2-6 | 0.2-4
Contact wire range, mm²	0.2-6	0.2-6	0.2-6
Stripping length, mm	12	12	12
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels |Test pick-off	2 | -	2 | -	2 | -

Accessories		Page	Qty.		Page	Qty.		Page	Qty.
FAP end plate	FAP 1.5-4/2A BG			FAP 1.5-4/2A GN			FAP 4/3A BG		
Cat. no.	**3400.2**	279	20	**3400.1**	279	20	**3421.2**	279	20
Insulated cross-connector FQI	FQI 4/2 YE						FQI 4/2 YE		
Cat. no. 2 poles	**3472.8**	303	50				**3472.8**	303	50
Insulated cross-connector FQI	FQI 4/3 YE						FQI 4/3 YE		
Cat. no. 3 poles	**3473.8**	303	50				**3473.8**	303	50
Insulated cross-connector FQI	FQI 4/4 YE						FQI 4/4 YE		
Cat. no. 4 poles	**3474.8**	303	20				**3474.8**	303	20
Insulated cross-connector FQI	FQI 4/5 YE						FQI 4/5 YE		
Cat. no. 5 poles	**3475.8**	303	20				**3475.8**	303	20
Insulated cross-connector FQI	FQI 4/6 YE						FQI 4/6 YE		
Cat. no. 6 poles	**3476.8**	303	20				**3476.8**	303	20
Insulated cross-connector FQI	FQI 4/7 YE						FQI 4/7 YE		
Cat. no. 7 poles	**3477.8**	303	20				**3477.8**	303	20
Insulated cross-connector FQI	FQI 4/8 YE						FQI 4/8 YE		
Cat. no. 8 poles	**3478.8**	303	10				**3478.8**	303	10
Insulated cross-connector FQI	FQI 4/9 YE						FQI 4/9 YE		
Cat. no. 9 poles	**3479.8**	303	10				**3479.8**	303	10
Insulated cross-connector FQI	FQI 4/10 YE						FQI 4/10 YE		
Cat. no. 10 poles	**3470.8**	303	10				**3470.8**	303	10
Labelling adapter FBA									
Cat. no.									
Four-way cover FAD	FAD 4/4/B YE			FAD 4/4/B YE			FAD 4/4/B YE		
Cat. no.	**3427.8**	314	20	**3427.8**	314	20	**3427.8**	314	20
End stop ZES	ZES 35/2 BG			ZES 35/2 BG			ZES 35/2 BG		
Cat. no.	**3811.2**	275	50	**3811.2**	275	50	**3811.2**	275	50
Screwdriver SDB	SDB 0.6x3.5			SDB 0.6x3.5			SDB 0.6x3.5		
Cat. no.	**1086.0**	422	1	**1086.0**	422	1	**1086.0**	422	1
Quick marking PMC SB	PMC SB 6/50 WH			PMC SB 6/50 WH			PMC SB 6/50 WH		
Cat. no.	**4702.7**	340	500	**4702.7**	340	500	**4702.7**	340	500

More accessories starting on page 264.

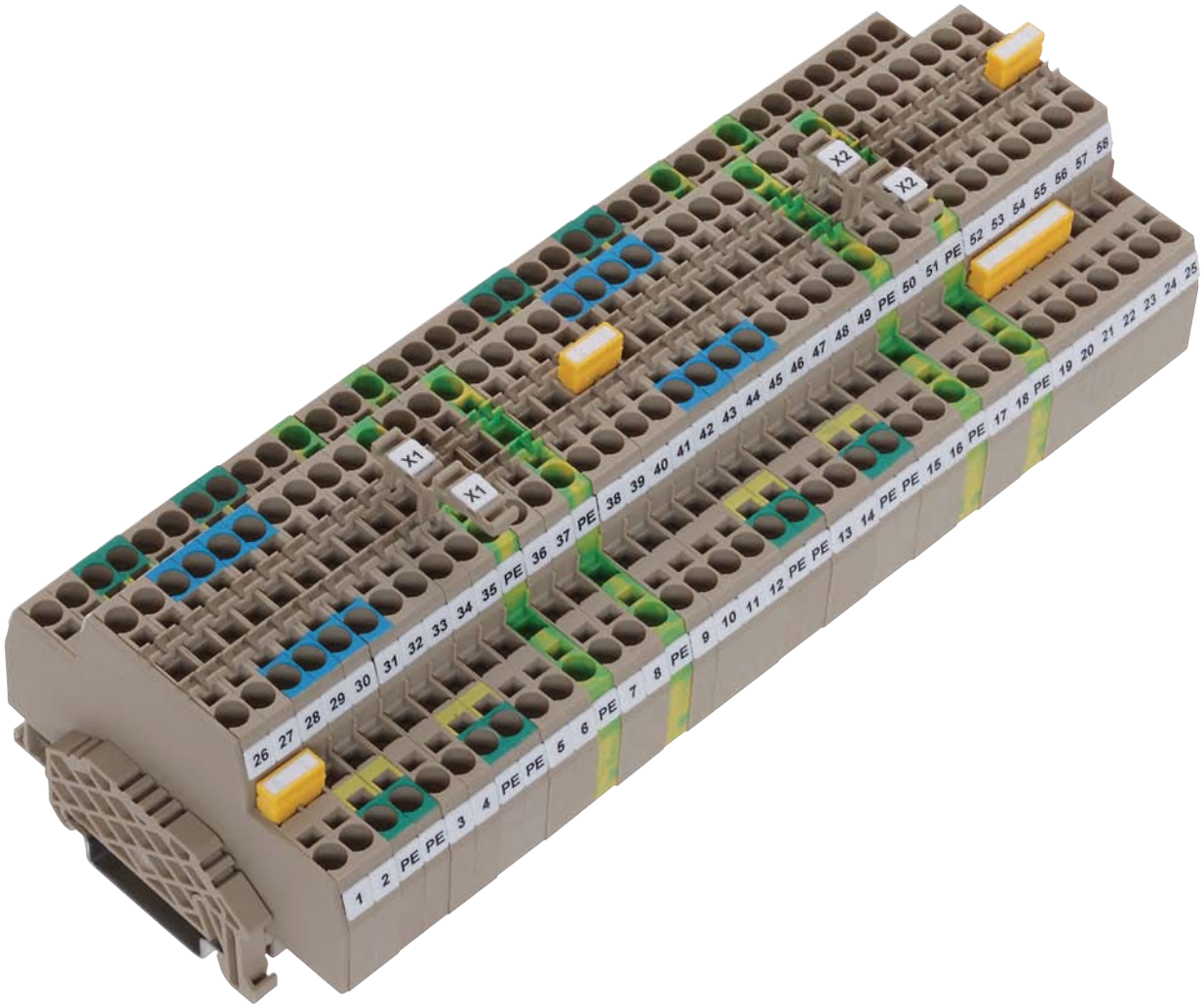
FSL 4/3A	FRK 4/4A	FSL 4/4A		
				
				
Protective earth terminal 3 connections	Feed-through terminal 4 connections	Protective earth terminal 4 connections		
Pressure-spring system	**Pressure-spring system**	**Pressure-spring system**		
64.3 x 6.1 x 43	80 x 6.1 x 43	80 x 6.1 x 43		
Qty.	**Qty.**	**Qty.**		
FSL 4/3A GNYE **3224.2** 100	FRK 4/4A BG **3222.2** 100	FSL 4/4A GNYE **3225.2** 100		
	FRK 4/4A BU **3222.5** 100			
	FRK 4/4A OG **3222.3** 100			
(2)	(2) (5) (3) (1) (8) (9)	(2)		
IEC **CSAus** **CSA**	**IEC** **CSAus** **CSA**	**IEC** **CSAus** **CSA**		
	800 600 600			
	32 35 35			
4 | 20-10	4 | 20-10	4 | 20-10		
8 | 3	8 | 3	8 | 3		
A4 | V0	A4 | V0	A4 | V0		
0.2-6 | -	0.2-6 | -	0.2-6 | -		
0.2-6 | 0.2-4	0.2-6 | 0.2-4	0.2-6 | 0.2-4		
0.2-6	0.2-6	0.2-6		
12	12	12		
PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C		
2 | -	2 | -	2 | -		
Page **Qty.**	**Page** **Qty.**	**Page** **Qty.**		
FAP 4/3A GN **3421.1** 279 20	FAP 4/4A BG **3422.2** 279 20	FAP 4/4A GN **3422.1** 279 20		
	FQI 4/2 YE **3472.8** 303 50			
	FQI 4/3 YE **3473.8** 303 50			
	FQI 4/4 YE **3474.8** 303 20			
	FQI 4/5 YE **3475.8** 303 20			
	FQI 4/6 YE **3476.8** 303 20			
	FQI 4/7 YE **3477.8** 303 20			
	FQI 4/8 YE **3478.8** 303 10			
	FQI 4/9 YE **3479.8** 303 10			
	FQI 4/10 YE **3470.8** 303 10			
FAD 4/4/B YE **3427.8** 314 20	FAD 4/4/B YE **3427.8** 314 20	FAD 4/4/B YE **3427.8** 314 20		
ZES 35/2 BG **3811.2** 275 50	ZES 35/2 BG **3811.2** 275 50	ZES 35/2 BG **3811.2** 275 50		
SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1		
PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500		

Double-level terminal blocks FRKD 2.5 | Double-level protective earth terminal FSLD 2.5

With a design width of just 5 mm, the new **FRKD** series, available in thirteen versions, connects with stranded or solid wires up to 4 mm² with a rated current of up to 24 A. Solid and stranded wires with wire-end ferrules can be inserted into the connection system without the need for tools. The pressure spring opens automatically when the wire is inserted facilitating a secure contact with the busbar. A standard screwdriver can be used to open the clamp for release or for the insertion of stranded wire without ferrules.

The PE foot from **CONTA-CLIP** that contacts the PE potential to the DIN rail is designed to contact on both sides. This optimal **CONTA-CLIP** design uses more metal but provides a higher conductor cross section and stronger rail grip, for security and safety.

In all the **FSL** series, the foot construction and busbar are made of a single piece of copper. This solid, contiguous construction guarantees low contact resistance as well as the high security of the internal-spring PE contact foot. Each of the pressure-spring terminal blocks can be equipped with the standard accessories: the **FQI 2.5** (cross connector) and the **PMC SB 5** (Pocket-Maxicard quick marking system).

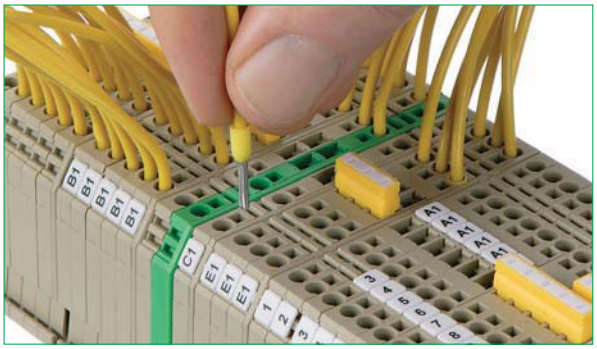


Double-level terminal blocks FRKD 2.5 | Double-level protective earth terminal FSLD 2.5

The features in detail

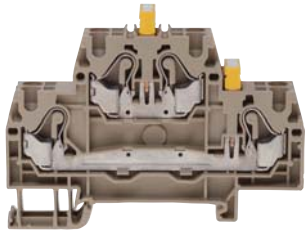
Wire connections

Solid and stranded wires with wire-end ferrules can be inserted into the connection system without the need for tools. The pressure spring opens automatically as the wire is fed in and makes a secure contact with the busbar.
A standard screwdriver can be used to open the clamp for release or for the insertion of stranded wire without ferrules. (Connection cross-section: 4 mm², rated current: 24 A)



Cross-connection system

The upper and lower levels can be cross-connected using the **FQI 2.5/...** standard cross-connections. The **FQI** insulated cross-connections have a pluggable design. They are available with from 2 to 10 poles. They cross connect up to the rated current of the relevant **FRKD** terminals.

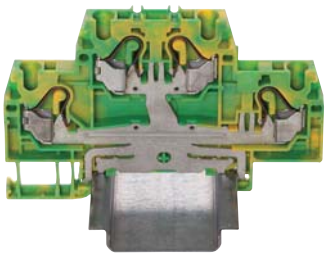


Colour labelling

The upper and lower levels are colour-coded.
(for example, **FRKD 2.5 N-PE**)

Connecting the PE foot onto the DIN rail

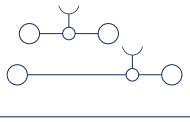
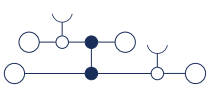
As with all **CONTA-CLIP** PE terminals, the **FRKD** terminals also implement a two-sided contact with the DIN rail. In all the **FRK** series, the foot construction and busbar are made of a single piece of copper. This solid, contiguous construction guarantees low contact resistance as well as the high security of the internal-spring PE contact foot.



Double-level terminal blocks FRKD | Double-level protective earth terminal FSLD

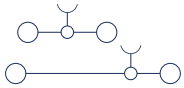
Pressure-spring connection system

- Foot can be snapped on TS 35 DIN rail
- Housing made from polyamide 6.6 UL 94-V0

	FRKD 2.5	FRKD 2.5/SV	FSLD 2.5
Connection diagram			
	Feed-through terminal 2 x 2 connections	Feed-through terminal 4 connections	Protective earth terminal 4 connections
Connection type	**Pressure-spring system**	**Pressure-spring system**	**Pressure-spring system**
Size (L x W x H), mm with TS 35 x 7.5 mm	75.4 x 5.1 x 53	75.4 x 5.1 x 53	75.4 x 5.1 x 53
Size (L x W x H), with Labelling adapter) mm with TS 35 x 7.5 mm	75.4 x 5.1 x 66	75.4 x 5.1 x 66	75.4 x 5.1 x 66
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	FRKD 2.5 BG	FRKD 2.5/SV BG	FSLD 2.5 GNYE
Cat. no.	**3226.2** 100	**3227.2** 100	**3236.2** 100
Type colour	FRKD 2.5 BU	FRKD 2.5/SV BU	
Cat. no.	**3226.5** 100	**3227.5** 100	
Type colour	FRKD 2.5 OG	FRKD 2.5/SV OG	
Cat. no.	**3226.3** 100	**3227.3** 100	
Type colour			
Cat. no.			
Colours available	.2 .5 .3 .1 .8 .9	.2 .5 .3 .1 .8 .9	.2
Ratings	**IEC cCSAus cCSAus**	**IEC cCSAus cCSAus**	**IEC cCSAus cCSAus**
Rated voltage, V	500 300 600	500 300 600	
Rated current, A	24 20 5	24 20 5	
Rated wire cross-section, mm² | AWG	2.5 | 26-12	2.5 | 26-12	2.5 | 26-12
Rated impulse voltage, kV | Contamination degree	6 | 3	6 | 3	6 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V0	A3 | V0	A3 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.2-4 | -	0.2-4 | -	0.2-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5
Contact wire range, mm²	0.2-4	0.2-4	0.2-4
Stripping length, mm	12	12	12
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels |Test pick-off	2 | -	2 | -	2 | -

Accessories		**Page**	**Qty.**		**Page**	**Qty.**		**Page**	**Qty.**
FAP end plate	FAPD 2.5 BG			FAPD 2.5 BG			FAPD 2.5 GN		
Cat. no.	**3423.2**	279	20	**3423.2**	279	20	**3423.1**	279	20
Insulated cross-connector FQI 2 poles	FQI 2.5/2 YE			FQI 2.5/2 YE					
Cat. no.	**3462.8**	302	50	**3462.8**	302	50			
Insulated cross-connector FQI 3 poles	FQI 2.5/3 YE			FQI 2.5/3 YE					
Cat. no.	**3463.8**	302	50	**3463.8**	302	50			
Insulated cross-connector FQI 4 poles	FQI 2.5/4 YE			FQI 2.5/4 YE					
Cat. no.	**3464.8**	302	20	**3464.8**	302	20			
Insulated cross-connector FQI 5 poles	FQI 2.5/5 YE			FQI 2.5/5 YE					
Cat. no.	**3465.8**	302	20	**3465.8**	302	20			
Insulated cross-connector FQI 6 poles	FQI 2.5/6 YE			FQI 2.5/6 YE					
Cat. no.	**3466.8**	302	20	**3466.8**	302	20			
Insulated cross-connector FQI 7 poles	FQI 2.5/7 YE			FQI 2.5/7 YE					
Cat. no.	**3467.8**	302	20	**3467.8**	302	20			
Insulated cross-connector FQI 8 poles	FQI 2.5/8 YE			FQI 2.5/8 YE					
Cat. no.	**3468.8**	302	10	**3468.8**	302	10			
Insulated cross-connector FQI 9 poles	FQI 2.5/9 YE			FQI 2.5/9 YE					
Cat. no.	**3469.8**	302	10	**3469.8**	302	10			
Insulated cross-connector FQI 10 poles	FQI 2.5/10 YE			FQI 2.5/10 YE					
Cat. no.	**3460.8**	302	10	**3460.8**	302	10			
Labelling adapter FBA	FBA 1 BG			FBA 1 BG			FBA 1 BG		
Cat. no.	**3424.2**	314	50	**3424.2**	314	50	**3424.2**	314	50
Four-way cover FAD	FAD 2.5/4/B YE			FAD 2.5/4/B YE			FAD 2.5/4/B YE		
Cat. no.	**3426.8**	314	20	**3426.8**	314	20	**3426.8**	314	20
End stop ZES	ZES 35/2 BG			ZES 35/2 BG			ZES 35/2 BG		
Cat. no.	**3811.2**	275	50	**3811.2**	275	50	**3811.2**	275	50
Screwdriver SDB	SDB 0,4x2.0			SDB 0,4x2.0			SDB 0,4x2.0		
Cat. no.	**3164.0**	422	1	**3164.0**	422	1	**3164.0**	422	1
Quick marking PMC SB	PMC SB 5/50 WH			PMC SB 5/50 WH			PMC SB 5/50 WH		
Cat. no.	**4600.7**	339	500	**4600.7**	339	500	**4600.7**	339	500

More accessories starting on page 264.

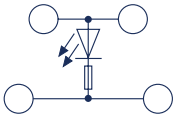
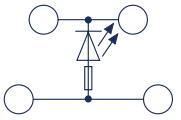
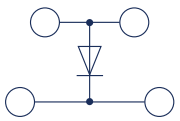
FRKD 2.5/N/DU	FRKD 2.5/DU/PE	FRKD 2.5/N/PE	FBA 1	
				
Feed-through terminal 2 x 2 connections	Feed-through/PE terminal, 2 x 2 connections	Feed-through/PE terminal, 2 x 2 connections	Labelling adapters	
Pressure-spring system	**Pressure-spring system**	**Pressure-spring system**		
75.4 x 5.1 x 53	75.4 x 5.1 x 53	75.4 x 5.1 x 53	22 x 5 x 13	
75.4 x 5.1 x 66	75.4 x 5.1 x 66	75.4 x 5.1 x 66		
Qty.	**Qty.**	**Qty.**	**Qty.**	
FRKD 2.5/N/DU **3233.2** 100	FRKD 2.5/DU/PE **3234.2** 100	FRKD 2.5 N-PE BG **3235.2** 100	FBA 1 BG **3424.2** 50	
.2	.2	.2		
IEC cCSAus cCSAus	**IEC** cCSAus cCSAus	**IEC** cCSAus cCSAus		
500 300 600	500 300 600	500 300 600		
24 20 5	24 20 5	24 20 5		
2.5 | 26-12	2.5 | 26-12	2.5 | 26-12		
6 | 3	6 | 3	6 | 3		
A3 | V0	A3 | V0	A3 | V0		
0.2-4 | -	0.2-4 | -	0.2-4 | -		
0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5		
0.2-4	0.2-4	0.2-4		
12	12	12		
PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C		
2 | -	2 | -	2 | -		

	Page	Qty.
FAPD 2.5 BG **3423.2**	279	20
FQI 2.5/2 YE **3462.8**	302	50
FQI 2.5/3 YE **3463.8**	302	50
FQI 2.5/4 YE **3464.8**	302	20
FQI 2.5/5 YE **3465.8**	302	20
FQI 2.5/6 YE **3466.8**	302	20
FQI 2.5/7 YE **3467.8**	302	20
FQI 2.5/8 YE **3468.8**	302	10
FQI 2.5/9 YE **3469.8**	302	10
FQI 2.5/10 YE **3460.8**	302	10
FBA 1 BG **3424.2**	314	50
FAD 2.5/4/B YE **3426.8**	314	20
ZES 35/2 BG **3811.2**	275	50
SDB 0,4x2.0 **3164.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

	Page	Qty.
FAPD 2.5 BG **3423.2**	279	20
FQI 2.5/2 YE **3462.8**	302	50
FQI 2.5/3 YE **3463.8**	302	50
FQI 2.5/4 YE **3464.8**	302	20
FQI 2.5/5 YE **3465.8**	302	20
FQI 2.5/6 YE **3466.8**	302	20
FQI 2.5/7 YE **3467.8**	302	20
FQI 2.5/8 YE **3468.8**	302	10
FQI 2.5/9 YE **3469.8**	302	10
FQI 2.5/10 YE **3460.8**	302	10
FBA 1 BG **3424.2**	314	50
FAD 2.5/4/B YE **3426.8**	314	20
ZES 35/2 BG **3811.2**	275	50
SDB 0,4x2.0 **3164.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

	Page	Qty.
FAPD 2.5 BG **3423.2**	279	20
FQI 2.5/2 YE **3462.8**	302	50
FQI 2.5/3 YE **3463.8**	302	50
FQI 2.5/4 YE **3464.8**	302	20
FQI 2.5/5 YE **3465.8**	302	20
FQI 2.5/6 YE **3466.8**	302	20
FQI 2.5/7 YE **3467.8**	302	20
FQI 2.5/8 YE **3468.8**	302	10
FQI 2.5/9 YE **3469.8**	302	10
FQI 2.5/10 YE **3460.8**	302	10
FBA 1 BG **3424.2**	314	50
FAD 2.5/4/B YE **3426.8**	314	20
ZES 35/2 BG **3811.2**	275	50
SDB 0,4x2.0 **3164.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

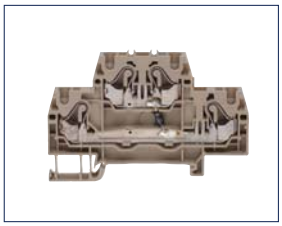
Double-level terminals with electronic components FRKD

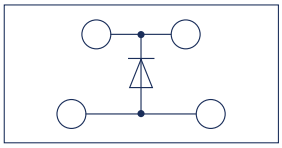
Pressure-spring connection system	FRKD 2.5/LED1	FRKD 2.5/LED2	FRKD 2.5/D1
• Foot can be snapped on TS 35 DIN rail • Housing made from polyamide 6.6 UL 94-V0			
Connection diagram			
	Feed-through terminal 2 x 2 connections	Feed-through terminal 2 x 2 connections	Feed-through terminal 2 x 2 connections
Connection type	**Pressure-spring system**	**Pressure-spring system**	**Pressure-spring system**
Size (L x W x H), mm with TS 35 x 7.5 mm	75.4 x 5.1 x 53	75.4 x 5.1 x 53	75.4 x 5.1 x 53
Size (L x W x H), with Labelling adapter) mm with TS 35 x 7.5 mm			
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	FRKD 2.5/LED1(RD)/24V DC BG	FRKD 2.5/LED2(RD)24V DC BG	FRKD 2.5/D1 BG
Cat. no.	**3237.2** 100	**3238.2** 100	**3230.2** 100
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available	(.2)	(.2)	(.2)
Ratings	**IEC cCSAus**	**IEC cCSAus**	**IEC cCSAus**
Rated voltage, V	24	24	Soldered diode 1N4007 / reverse
Rated current, A	24	24	voltage 1000 V / current 1 A
Rated wire cross-section, mm² | AWG	2.5 | 26-12	2.5 | 26-12	2.5 | 26-12
Rated impulse voltage, kV | Contamination degree	6 | 3	6 | 3	6 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V0	A3 | V0	A3 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.2-4 | -	0.2-4 | -	0.2-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5
Contact wire range, mm²	0.2-4	0.2-4	0.2-4
Stripping length, mm	12	12	12
Cross-current via LED, mA	5	5	
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels |Test pick-off	1 | -	1 | -	2 | -

Accessories		Page	Qty.		Page	Qty.		Page	Qty.
End plate AP	FAPD 2.5 BG			FAPD 2.5 BG			FAPD 2.5 BG		
Cat. no.	**3423.2**	279	20	**3423.2**	279	20	**3423.2**	279	20
Insulated cross-connector FQI	FQI 2.5/2 YE			FQI 2.5/2 YE			FQI 2.5/2 YE		
Cat. no. 2 poles	**3462.8**	302	50	**3462.8**	302	50	**3462.8**	302	50
Insulated cross-connector FQI	FQI 2.5/3 YE			FQI 2.5/3 YE			FQI 2.5/3 YE		
Cat. no. 3 poles	**3463.8**	302	50	**3463.8**	302	50	**3463.8**	302	50
Insulated cross-connector FQI	FQI 2.5/4 YE			FQI 2.5/4 YE			FQI 2.5/4 YE		
Cat. no. 4 poles	**3464.8**	302	20	**3464.8**	302	20	**3464.8**	302	20
Insulated cross-connector FQI	FQI 2.5/5 YE			FQI 2.5/5 YE			FQI 2.5/5 YE		
Cat. no. 5 poles	**3465.8**	302	20	**3465.8**	302	20	**3465.8**	302	20
Insulated cross-connector FQI	FQI 2.5/6 YE			FQI 2.5/6 YE			FQI 2.5/6 YE		
Cat. no. 6 poles	**3466.8**	302	20	**3466.8**	302	20	**3466.8**	302	20
Insulated cross-connector FQI	FQI 2.5/7 YE			FQI 2.5/7 YE			FQI 2.5/7 YE		
Cat. no. 7 poles	**3467.8**	302	20	**3467.8**	302	20	**3467.8**	302	20
Insulated cross-connector FQI	FQI 2.5/8 YE			FQI 2.5/8 YE			FQI 2.5/8 YE		
Cat. no. 8 poles	**3468.8**	302	10	**3468.8**	302	10	**3468.8**	302	10
Insulated cross-connector FQI	FQI 2.5/9 YE			FQI 2.5/9 YE			FQI 2.5/9 YE		
Cat. no. 9 poles	**3469.8**	302	10	**3469.8**	302	10	**3469.8**	302	10
Insulated cross-connector FQI	FQI 2.5/10 YE			FQI 2.5/10 YE			FQI 2.5/10 YE		
Cat. no. 10 poles	**3460.8**	302	10	**3460.8**	302	10	**3460.8**	302	10
Labelling adapter FBA							FBA 1 BG		
Cat. no.							**3424.2**	314	50
Four-way cover FAD	FAD 2.5/4/B YE			FAD 2.5/4/B YE			FAD 2.5/4/B YE		
Cat. no.	**3426.8**	314	20	**3426.8**	314	20	**3426.8**	314	20
End stop ZES	ZES 35/2 BG			ZES 35/2 BG			ZES 35/2 BG		
Cat. no.	**3811.2**	275	50	**3811.2**	275	50	**3811.2**	275	50
Screwdriver SDB	SDB 0,4x2.0			SDB 0,4x2.0			SDB 0,4x2.0		
Cat. no.	**3164.0**	422	1	**3164.0**	422	1	**3164.0**	422	1
Quick marking PMC SB	PMC SB 5/50 WH			PMC SB 5/50 WH			PMC SB 5/50 WH		
Cat. no.	**4600.7**	339	500	**4600.7**	339	500	**4600.7**	339	500

More accessories starting on page 264.

FRKD 2.5/D2





Feed-through terminal
2 x 2 connections

Pressure-spring system
75.4 x 5.1 x 53

	Qty.
FRKD 2.5/D2 BG **3253.2**	100

(.2)

IEC cCSAus

Soldered diode 1N4007 / reverse
voltage 1000 V / current 1 A

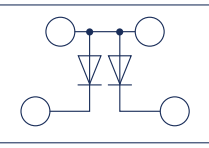
2.5 | 26-12
6 | 3
A3 | V0

0.2-4 | -
0.2-4 | 0.2-2.5
0.2-4
12

PA 6.6 | -40 to +120°C
2 | -

	Page	Qty.
FAPD 2.5 BG **3423.2**	279	20
FQI 2.5/2 YE **3462.8**	302	50
FQI 2.5/3 YE **3463.8**	302	50
FQI 2.5/4 YE **3464.8**	302	20
FQI 2.5/5 YE **3465.8**	302	20
FQI 2.5/6 YE **3466.8**	302	20
FQI 2.5/7 YE **3467.8**	302	20
FQI 2.5/8 YE **3468.8**	302	10
FQI 2.5/9 YE **3469.8**	302	10
FQI 2.5/10 YE **3460.8**	302	10
FBA 1 BG **3424.2**	314	50
FAD 2.5/4/B YE **3426.8**	314	20
ZES 35/2 BG **3811.2**	275	50
SDB 0,4x2.0 **3164.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

FRKD 2.5/D3



Feed-through terminal
2 x 2 connections

Pressure-spring system
75.4 x 5.1 x 53

	Qty.
FRKD 2.5/D3 BG **3254.2**	100

(.2)

IEC cCSAus

Soldered diode 1N4007 / reverse
voltage 1000 V / current 1 A

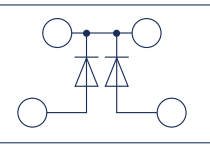
2.5 | 26-12
6 | 3
A3 | V0

0.2-4 | -
0.2-4 | 0.2-2.5
0.2-4
12

PA 6.6 | -40 to +120°C
2 | -

	Page	Qty.
FAPD 2.5 BG **3423.2**	279	20
FQI 2.5/2 YE **3462.8**	302	50
FQI 2.5/3 YE **3463.8**	302	50
FQI 2.5/4 YE **3464.8**	302	20
FQI 2.5/5 YE **3465.8**	302	20
FQI 2.5/6 YE **3466.8**	302	20
FQI 2.5/7 YE **3467.8**	302	20
FQI 2.5/8 YE **3468.8**	302	10
FQI 2.5/9 YE **3469.8**	302	10
FQI 2.5/10 YE **3460.8**	302	10
FBA 1 BG **3424.2**	314	50
FAD 2.5/4/B YE **3426.8**	314	20
ZES 35/2 BG **3811.2**	275	50
SDB 0,4x2.0 **3164.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

FRKD 2.5/D4



Feed-through terminal
2 x 2 connections

Pressure-spring system
75.4 x 5.1 x 53

	Qty.
FRKD 2.5/D4 BG **3255.2**	100

(.2)

IEC cCSAus

Soldered diode 1N4007 / reverse
voltage 1000 V / current 1 A

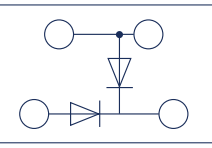
2.5 | 26-12
6 | 3
A3 | V0

0.2-4 | -
0.2-4 | 0.2-2.5
0.2-4
12

PA 6.6 | -40 to +120°C
2 | -

	Page	Qty.
FAPD 2.5 BG **3423.2**	279	20
FQI 2.5/2 YE **3462.8**	302	50
FQI 2.5/3 YE **3463.8**	302	50
FQI 2.5/4 YE **3464.8**	302	20
FQI 2.5/5 YE **3465.8**	302	20
FQI 2.5/6 YE **3466.8**	302	20
FQI 2.5/7 YE **3467.8**	302	20
FQI 2.5/8 YE **3468.8**	302	10
FQI 2.5/9 YE **3469.8**	302	10
FQI 2.5/10 YE **3460.8**	302	10
FBA 1 BG **3424.2**	314	50
FAD 2.5/4/B YE **3426.8**	314	20
ZES 35/2 BG **3811.2**	275	50
SDB 0,4x2.0 **3164.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

FRKD 2.5/D5



Feed-through terminal
2 x 2 connections

Pressure-spring system
75.4 x 5.1 x 53

	Qty.
FRKD 2.5/D5 BG **3256.2**	100

(.2)

IEC cCSAus

Soldered diode 1N4007 / reverse
voltage 1000 V / current 1 A

2.5 | 26-12
6 | 3
A3 | V0

0.2-4 | -
0.2-4 | 0.2-2.5
0.2-4
12

PA 6.6 | -40 to +120°C
2 | -

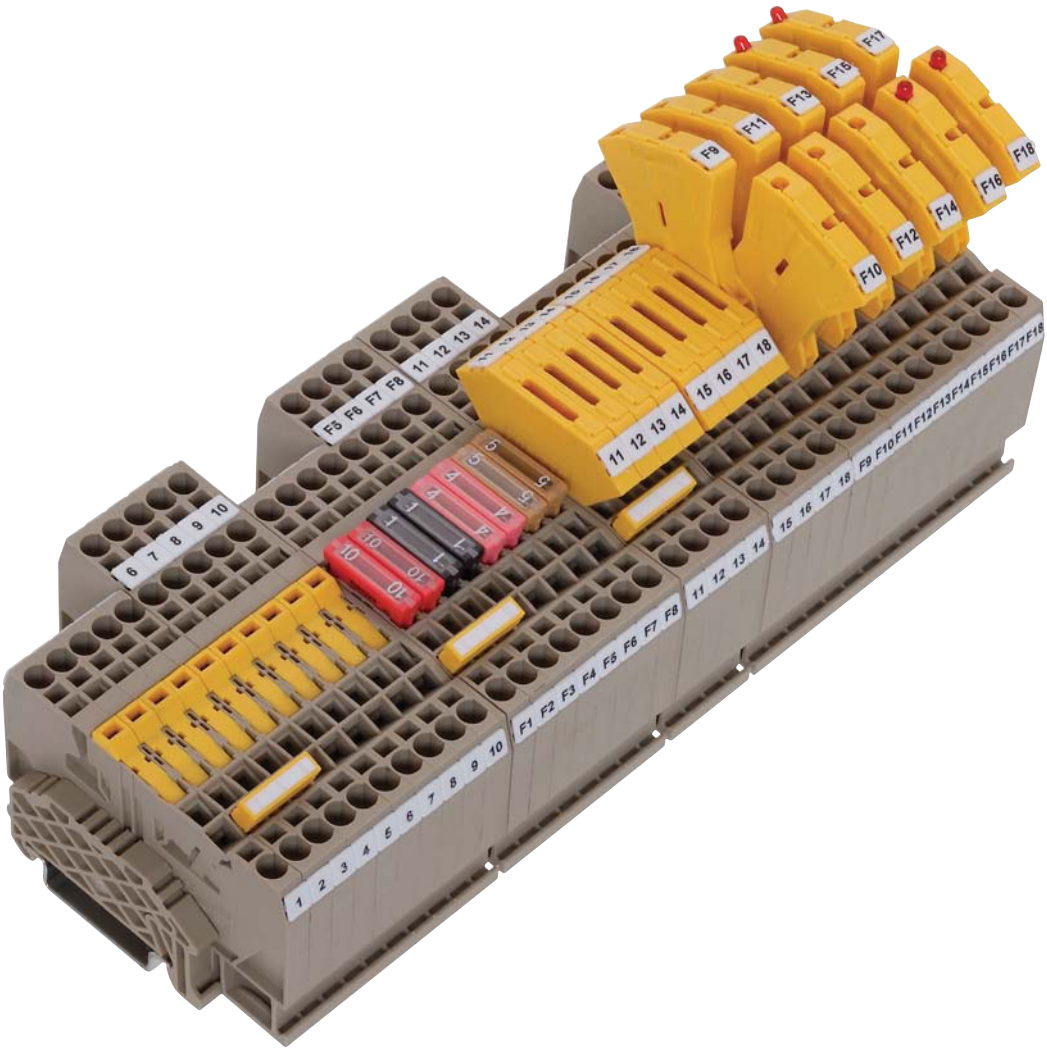
	Page	Qty.
FAPD 2.5 BG **3423.2**	279	20
FQI 2.5/2 YE **3462.8**	302	50
FQI 2.5/3 YE **3463.8**	302	50
FQI 2.5/4 YE **3464.8**	302	20
FQI 2.5/5 YE **3465.8**	302	20
FQI 2.5/6 YE **3466.8**	302	20
FQI 2.5/7 YE **3467.8**	302	20
FQI 2.5/8 YE **3468.8**	302	10
FQI 2.5/9 YE **3469.8**	302	10
FQI 2.5/10 YE **3460.8**	302	10
FBA 1 BG **3424.2**	314	50
FAD 2.5/4/B YE **3426.8**	314	20
ZES 35/2 BG **3811.2**	275	50
SDB 0,4x2.0 **3164.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

Disconnect-blade terminals | Disconnect terminals | Fused terminals FTRK

The **FTRK** base terminal line can be combined in different ways with the product-related line of accessories as two-wire and three-wire variants. Without any assembly, the two base terminals can receive auto-fuses or diode plugs. Alternatively, the base terminals are available equipped with a disconnect blade or a fuse holder for G fuses. The functions of all versions can be changed by removing or adding the disconnect blade, the fuse holder, or the diode plug. The plug-in fuse holders are available as models with or without a status display. They offer great flexibility, easy handling and a wide selection of 5 x 20 G fuses.

Solid and stranded wires with wire-end ferrules can be inserted into the connection system without the need for tools. The pressure spring opens automatically when the wire is inserted facilitating a secure contact with the busbar. A standard screwdriver can be used to open the clamp for release or for the insertion of stranded wire without ferrules.

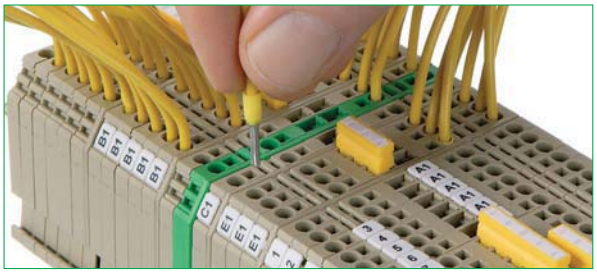
For the fuse and disconnect terminals with pressure-spring connections, there are eight terminals blocks with disconnect blades and disconnect plugs available, as well as a fuse holder for auto-fuses and micro-fuses. Each of the pressure-spring terminal blocks can be equipped with the standard accessories: **the FQI 2.5** (cross connector) and the **PMC SB 5** (Pocket-Maxicard quick marking system).



The features in detail

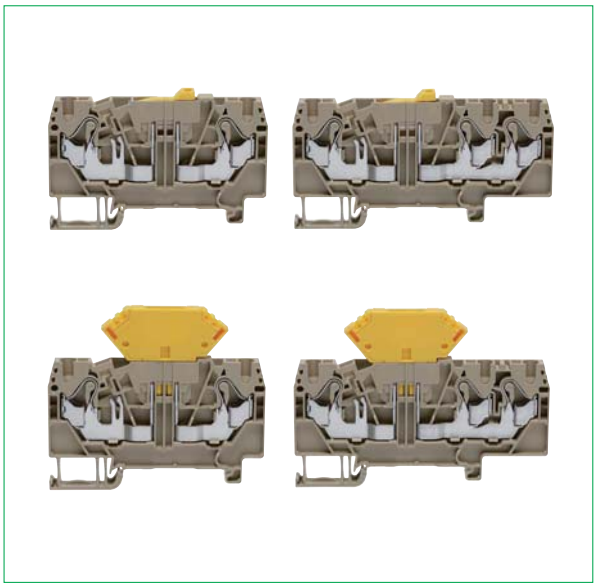
Wire connections

Solid and stranded wires with wire-end ferrules can be inserted into the connection system without the need for tools. The pressure spring opens automatically when the wire is inserted facilitating a secure contact with the busbar. A standard screwdriver can be used to open the clamp for release or for the insertion of stranded wire without ferrules.
(Connection cross-section: 4 mm², rated current: 24 A)



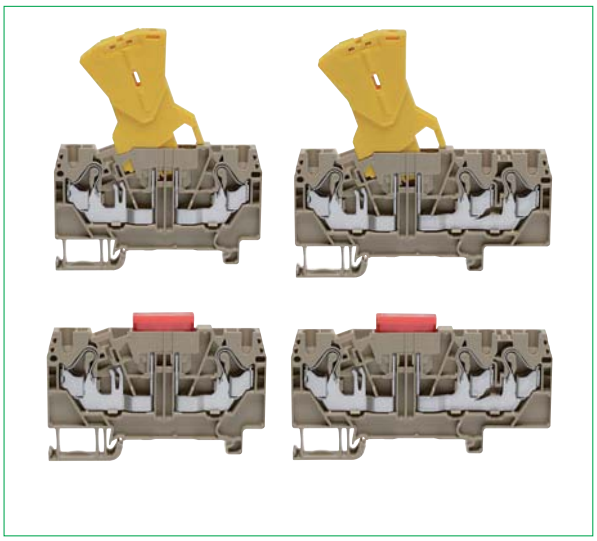
Disconnect terminals FTRK 2.5/.../MT and FTRK 2.5/.../ST

In the pressure-spring system, two models (disconnect-plug/disconnect-blade) are available in the base terminal variations of 2- and 3-conductor systems. The proven **ZDS|ZTR** disconnect-plug and **FTRK 2.5.../MT** disconnect-blade systems with high surface quality and, therefore, low and stable transitional resistance, ensures accurate measurement results. They distinguish themselves by their narrow construction of only 5 mm and a high current capacity of 18 A. In addition to the **ZTR** disconnect-plug models (feed-through connection), **ZDS** diode plugs (1N4007) are also available. It is easy to distribute potential voltages in combination with the pluggable **FQI** cross connectors.



Fuse holder for micro-fuse/auto-fuse FTRK 2.5/.../OT with auto-fuse and FTRK 2.5/.../ZS

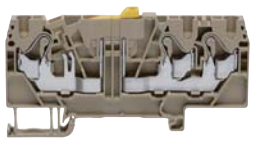
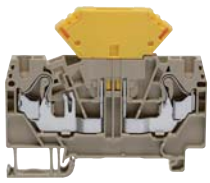
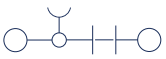
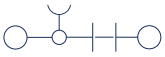
The base terminals can hold auto-fuses without needing any accessories. With the fuse plug **ZS/H**, available in five variations, 5x20 fuses can be accommodated. The fuse plugs are available in variations with or without status display (different voltage ranges). With a rated voltage of 400 V, the rated current of the fuse plug is 6.3 A. In combination with the pluggable **FQI** cross connectors, it is easy to distribute voltage potentials.



Cross-connection FQI

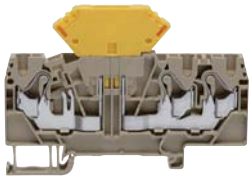
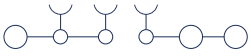
The **FQI** insulated cross-connections have a pluggable design and are available with from 2 to 10 poles.
They cross connect up to the rated current of the relevant **FTRK** terminals.

Disconnect-blade terminals / Disconnect terminals FTRK

Pressure-spring connection system	FTRK 2.5/2A/MT	FTRK 2.5/3A/MT	FTRK 2.5/2A/ST
			
• Foot can be snapped on TS 35 DIN rail • Housing made from polyamide 6.6 UL 94-V0			
Connection diagram			
	Disconnect-blade terminal 2 connections	Disconnect-blade terminal 3 connections	Disconnect terminal 2 connections
Connection type	**Pressure-spring system**	**Pressure-spring system**	**Pressure-spring system**
Size (L x W x H), mm with TS 35 x 7.5 mm	67.5 x 5.1 x 45.6	82.0 x 5.1 x 45.6	67.5 x 5.1 x 59.5
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	FTRK 2,5/2A/MT BG	FTRK 2.5/3A/MT BG	FTRK 2.5/2A/ST BG
Cat. no.	**3259.2** 100	**3260.2** 100	**3261.2** 100
Type colour	FTRK 2,5/2A/MT BU	FTRK 2.5/3A/MT BU	FTRK 2.5/2A/ST BU
Cat. no.	**3259.5**	**3260.5** 100	**3261.5** 100
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available	.2 .5 .3	.2 .5 .3	.2 .5
Ratings	**IEC / CSAus / CSA**	**IEC / CSAus / CSA**	**IEC / CSAus / CSA**
Rated voltage, V	400 / 300 / 300	400 / 300 / 300	400 / 300 / 300
Rated current, A	18 / 15 / 15	18 / 15 / 15	18 / 15 / 15
Rated wire cross-section, mm² | AWG	2.5 | 20-12	2.5 | 20-12	2.5 | 20-12
Rated impulse voltage, kV | Contamination degree	6 | 3	6 | 3	6 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V0	A3 | V0	A3 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.2-4 | -	0.2-4 | -	0.2-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5
Contact wire range, mm²	0.2-4	0.2-4	0.2-4
Stripping length, mm	10	10	10
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120 °C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels |Test pick-off	1| -	1 | -	1 | -

Accessories		Page	Qty.		Page	Qty.		Page	Qty.
End plate AP	FAPT 2,5/2A BG			FAPT 2.5/3A BG			FAPT 2.5/2A BG		
Cat. no.	**3481.2**	279	50	**3482.2**	279	50	**3481.2**	279	50
Insulated cross-connector FQI	FQI 2,5/2 YE			FQI 2.5/2 YE			FQI 2.5/2 YE		
Cat. no. 2 poles	**3462.8**	302	50	**3462.8**	302	50	**3462.8**	302	50
Insulated cross-connector FQI	FQI 2,5/3 YE			FQI 2.5/3 YE			FQI 2.5/3 YE		
Cat. no. 3 poles	**3463.8**	302	50	**3463.8**	302	50	**3463.8**	302	50
Insulated cross-connector FQI	FQI 2,5/4 YE			FQI 2.5/4 YE			FQI 2.5/4 YE		
Cat. no. 4 poles	**3464.8**	302	20	**3464.8**	302	20	**3464.8**	302	20
Insulated cross-connector FQI	FQI 2,5/5 YE			FQI 2.5/5 YE			FQI 2.5/5 YE		
Cat. no. 5 poles	**3465.8**	302	20	**3465.8**	302	20	**3465.8**	302	20
Insulated cross-connector FQI	FQI 2,5/6 YE			FQI 2.5/6 YE			FQI 2.5/6 YE		
Cat. no. 6 poles	**3466.8**	302	20	**3466.8**	302	20	**3466.8**	302	20
Insulated cross-connector FQI	FQI 2,5/7 YE			FQI 2.5/7 YE			FQI 2.5/7 YE		
Cat. no. 7 poles	**3467.8**	302	20	**3467.8**	302	20	**3467.8**	302	20
Insulated cross-connector FQI	FQI 2,5/8 YE			FQI 2.5/8 YE			FQI 2.5/8 YE		
Cat. no. 8 poles	**3468.8**	302	10	**3468.8**	302	10	**3468.8**	302	10
Insulated cross-connector FQI	FQI 2,5/9 YE			FQI 2.5/9 YE			FQI 2.5/9 YE		
Cat. no. 9 poles	**3469.8**	302	10	**3469.8**	302	10	**3469.8**	302	10
Insulated cross-connector FQI	FQI 2,5/10 YE			FQI 2.5/10 YE			FQI 2.5/10 YE		
Cat. no. 10 poles	**3460.8**	302	10	**3460.8**	302	10	**3460.8**	302	10
Four-way cover FAD	FAD 2,5/4/B YE			FAD 2.5/4/B YE			FAD 2.5/4/B YE		
Cat. no.	**3426.8**	314	20	**3426.8**	314	20	**3426.8**	314	20
End stop ZES	ZES 35/2 BG			ZES 35/2 BG			ZES 35/2 BG		
Cat. no.	**3811.2**	275	50	**3811.2**	275	50	**3811.2**	275	50
Screwdriver SDB	SDB 0,4x2,0			SDB 0,4x2.0			SDB 0,4x2.0		
Cat. no.	**3164.0**	422	1	**3164.0**	422	1	**3164.0**	422	1
Quick marking PMC SB	PMC SB 5/50 WH			PMC SB 5/50 WH			PMC SB 5/50 WH		
Cat. no.	**4600.7**	339	500	**4600.7**	339	500	**4600.7**	339	500

More accessories starting on page 264.

FTRK 2.5/3A/ST	FTRK 2.5/2A/OT	FTRK 2.5/3A/OT	ZDS/ZTR	
				
				
Disconnect terminal 3 connections	base terminal 2 connections	base terminal 3 connections	Disconnect plug	
Pressure-spring system 82.0 x 5.1 x 59.5	**Pressure-spring system** 67.5 x 5.1 x 43	**Pressure-spring system** 82.0 x 5.1 x 43	**Pressure-spring system**	

	Qty.
FTRK 2.5/3A/ST BG **3262.2**	100
FTRK 2.5/3A/ST BU **3262.5**	100

	Qty.
FTRK 2.5/2A/OT BG **3257.2**	100
FTRK 2.5/2A/OT BU **3257.5**	100

	Qty.
FTRK 2.5/3A/OT BG **3258.2**	100
FTRK 2.5/3A/OT BU **3258.5**	100

	Qty.
ZDS 1/ZTR **3612.2**	20
ZDS 2/ZTR **3613.2**	20
ZDS 3/ZTR **3614.2**	20
ZDS 4/ZTR **3615.2**	20

.2 .5		
IEC	CSAus	CSA
400	300	300
18	15	15
2.5 | 20-12		
6 | 3		
A3 | V0		
0.2-4 | -		
0.2-4 | 0.2-2.5		
0.2-4		
10		
PA 6.6 | -40 to +120°C		
1 | -		

.2 .5 .3		
IEC	CSAus	CSA
400	300	300
18	15	15
2.5 | 20-12		
6 | 3		
A3 | V0		
0.2-4 | -		
0.2-4 | 0.2-2.5		
0.2-4		
10		
PA 6.6 | -40 to +120°C		
1 | -		

.2 .5 .3		
IEC	CSAus	CSA
400	300	300
18	15	15
2.5 | 20-12		
6 | 3		
A3 | V0		
0.2-4 | -		
0.2-4 | 0.2-2.5		
0.2-4		
10		
PA 6.6 | -40 to +120°C		
1 | -		

IEC	UL	CSA
-	-	-
-	-	-
-		
-		
- | V0		
3613.2 and **3614.2**		
Soldered diode 1N4007		
Reverse voltage 1000V I Current 1A		
PA 6.6 | -40 to +120°C		
- | -		

	Page	Qty.
FAPT 2.5/3A BG **3482.2**	279	50
FQI 2.5/2 YE **3462.8**	302	50
FQI 2.5/3 YE **3463.8**	302	50
FQI 2.5/4 YE **3464.8**	302	20
FQI 2.5/5 YE **3465.8**	302	20
FQI 2.5/6 YE **3466.8**	302	20
FQI 2.5/7 YE **3467.8**	302	20
FQI 2.5/8 YE **3468.8**	302	10
FQI 2.5/9 YE **3469.8**	302	10
FQI 2.5/10 YE **3460.8**	302	10
FAD 2.5/4/B YE **3426.8**	314	20
ZES 35/2 BG **3811.2**	275	50
SDB 0,4x2.0 **3164.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

	Page	Qty.
FAPT 2.5/2A BG **3481.2**	279	50
FQI 2.5/2 YE **3462.8**	302	50
FQI 2.5/3 YE **3463.8**	302	50
FQI 2.5/4 YE **3464.8**	302	20
FQI 2.5/5 YE **3465.8**	302	20
FQI 2.5/6 YE **3466.8**	302	20
FQI 2.5/7 YE **3467.8**	302	20
FQI 2.5/8 YE **3468.8**	302	10
FQI 2.5/9 YE **3469.8**	302	10
FQI 2.5/10 YE **3460.8**	302	10
FAD 2.5/4/B YE **3426.8**	314	20
ZES 35/2 BG **3811.2**	275	50
SDB 0,4x2.0 **3164.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

	Page	Qty.
FAPT 2.5/3A BG **3482.2**	279	50
FQI 2.5/2 YE **3462.8**	302	50
FQI 2.5/3 YE **3463.8**	302	50
FQI 2.5/4 YE **3464.8**	302	20
FQI 2.5/5 YE **3465.8**	302	20
FQI 2.5/6 YE **3466.8**	302	20
FQI 2.5/7 YE **3467.8**	302	20
FQI 2.5/8 YE **3468.8**	302	10
FQI 2.5/9 YE **3469.8**	302	10
FQI 2.5/10 YE **3460.8**	302	10
FAD 2.5/4/B YE **3426.8**	314	20
ZES 35/2 BG **3811.2**	275	50
SDB 0,4x2.0 **3164.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

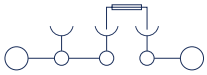
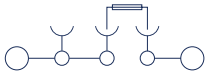
	Page	Qty.
PMC SB 5/50 WH **4600.7**	339	500

Fuse-disconnect terminals FTRK

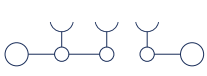
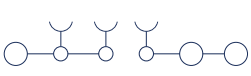
Pressure-spring connection system

- Foot can be snapped on TS 35 DIN rail
- Housing made from polyamide 6.6 UL 94-V0

Connection diagram

	FTRK 2.5/2A/ZS	FTRK 2.5/2A/ZS...	FTRK 2.5/3A/ZS
			
	Fuse disconnect terminal 2 connections	Fuse disconnect terminal 2 connections	Fuse disconnect terminal 3 connections
Connection type	**Pressure-spring system**	**Pressure-spring system**	**Pressure-spring system**
Size (L x W x H), mm with TS 35 x 7.5 mm	67.5 x 5.1 x 81.2	67.5 x 5.1 x 81.2	82 x 5.1 x 81.2
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	FTRK 2.5/2A/ZS BG	FTRK 2.5/2A/ZS 36 BG	FTRK 2.5/3A/ZS BG
Cat. no.	**3263.2** 100	**3264.2** 10-36 V 100	**3268.2** 100
Type colour	FTRK 2.5/2A/ZS BU	FTRK 2.5/2A/ZS 70 BG	FTRK 2.5/3A/ZS BU
Cat. no.	**3263.5** 100	**3265.2** 35-70 V 100	**3268.5** 100
Type colour		FTRK 2.5/2A/ZS 150 BG	
Cat. no.		**3266.2** 60-150 V 100	
Type colour		FTRK 2.5/2A/ZS 250 BG	
Cat. no.		**3267.2** 140-250 V 100	
Type colour			
Cat. no.			
Colours available	.2 .5	.2	.2 .5
Ratings	**IEC CSAus CSA**	**IEC CSAus CSA**	**IEC CSAus CSA**
Rated voltage, V	400 300 300	See above	400 300 300
Rated current, A	6,3 6,3 6,3	6,3 6,3 6,3	6,3 6,3 6,3
Rated wire cross-section, mm² | AWG	2.5 | 20-12	2.5 | 20-12	2.5 | 20-12
Rated impulse voltage, kV | Contamination degree	6 | 3	6 | 3	6 | 3
Max. power loss, W	1,6	1,6	1,6
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V0	A3 | V0	A3 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.5-4 | -	0.5-4 | -	0.5-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5
Contact wire range, mm²	0.08-4	0.08-4	0.08-4
Stripping length, mm	10	10	10
Cross-current via LED, mA	-	5	-
Fuse size, mm (on page 324)	5 x 20	5 x 20	5 x 20
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels |Test pick-off	1| -	1| -	1| -
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
FAP end plate **Cat. no.**	FAPT 2.5/2A BG **3481.2** 279 50	FAPT 2.5/2A BG **3481.2** 279 50	FAPT 2.5/3A BG **3482.2** 279 50
Insulated cross-connector FQI 2 poles **Cat. no.**	FQI 2.5/2 YE **3462.8** 302 50	FQI 2.5/2 YE **3462.8** 302 50	FQI 2.5/2 YE **3462.8** 302 50
Insulated cross-connector FQI 3 poles **Cat. no.**	FQI 2.5/3 YE **3463.8** 302 50	FQI 2.5/3 YE **3463.8** 302 50	FQI 2.5/3 YE **3463.8** 302 50
Insulated cross-connector FQI 4 poles **Cat. no.**	FQI 2.5/4 YE **3464.8** 302 20	FQI 2.5/4 YE **3464.8** 302 20	FQI 2.5/4 YE **3464.8** 302 20
Insulated cross-connector FQI 5 poles **Cat. no.**	FQI 2.5/5 YE **3465.8** 302 20	FQI 2.5/5 YE **3465.8** 302 20	FQI 2.5/5 YE **3465.8** 302 20
Insulated cross-connector FQI 6 poles **Cat. no.**	FQI 2.5/6 YE **3466.8** 302 20	FQI 2.5/6 YE **3466.8** 302 20	FQI 2.5/6 YE **3466.8** 302 20
Insulated cross-connector FQI 7 poles **Cat. no.**	FQI 2.5/7 YE **3467.8** 302 20	FQI 2.5/7 YE **3467.8** 302 20	FQI 2.5/7 YE **3467.8** 302 20
Insulated cross-connector FQI 8 poles **Cat. no.**	FQI 2.5/8 YE **3468.8** 302 10	FQI 2.5/8 YE **3468.8** 302 10	FQI 2.5/8 YE **3468.8** 302 10
Insulated cross-connector FQI 9 poles **Cat. no.**	FQI 2.5/9 YE **3469.8** 302 10	FQI 2.5/9 YE **3469.8** 302 10	FQI 2.5/9 YE **3469.8** 302 10
Insulated cross-connector FQI 10 poles **Cat. no.**	FQI 2.5/10 YE **3460.8** 302 10	FQI 2.5/10 YE **3460.8** 302 10	FQI 2.5/10 YE **3460.8** 302 10
Four-way cover FAD **Cat. no.**	FAD 2.5/4/B YE **3426.8** 314 20	FAD 2.5/4/B YE **3426.8** 314 20	FAD 2.5/4/B YE **3426.8** 314 20
End stop ZES **Cat. no.**	ZES 35/2 BG **3811.2** 275 50	ZES 35/2 BG **3811.2** 275 50	ZES 35/2 BG **3811.2** 275 50
Screwdriver SDB **Cat. no.**	SDB 0,4x2.0 **3164.0** 422 1	SDB 0,4x2.0 **3164.0** 422 1	SDB 0,4x2.0 **3164.0** 422 1
Quick marking PMC SB **Cat. no.**	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500

More accessories starting on page 264.

FTRK 2.5/3A/ZS	FTRK 2.5/2A/OT	FTRK 2.5/3A/OT	ZS/H.../ZTR	
				
Fuse disconnect terminal 3 connections	Base terminal 2 connections	Base terminal 3 connections	Fuse plug for 5 x 20 fuses	
Pressure-spring system	**Pressure-spring system**	**Pressure-spring system**	**Pressure-spring system**	
82 x 5.1 x 81.2	67.5 x 5.1 x 43.0	80.2 x 5.1 x 39.2		

	Qty.		Qty.		Qty.		Qty.
FTRK 2.5/3A/ZS 36 BG **3269.2** 10-36 V	100	FTRK 2.5/2A/OT BG **3257.2**	100	FTRK 2.5/3A/OT BG **3258.2**	100	ZS/H0/ZTR **3635.2**	20
FTRK 2.5/3A/ZS 70 BG **3270.2** 35-70 V	100	FTRK 2.5/2A/OT BU **3257.5**	100	FTRK 2.5/3A/OT BU **3258.5**	100	ZS/H1/ZTR/36 **3631.2** 10V-36V	20
FTRK 2.5/3A/ZS 150 BG **3271.2** 60-150 V	100					ZS/H2/ZTR/70 **3632.2** 35V-70V	20
FTRK 2.5/3A/ZS 250 BG **3272.2** 140-250 V	100					ZS/H3/ZTR/150 **3633.2** 60V-150V	20
						ZS/H4/ZTR/250 **3634.2** 140V-250V	20

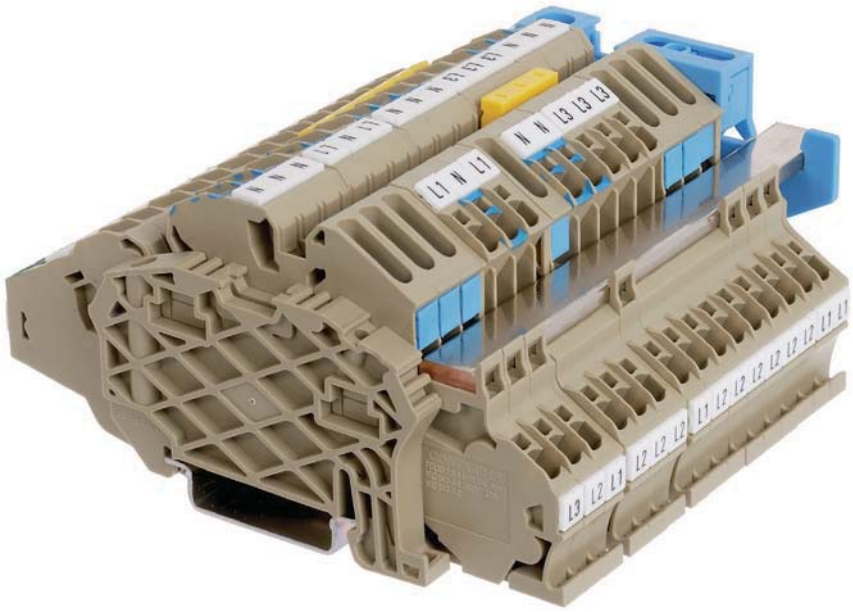
IEC	CSAus	CSA	IEC	CSAus	CSA	IEC	CSAus	CSA	
See above			400	300	300	400	300	300	
6,3	6,3	6,3	15*		15	15*		15	
2.5 | 20-12			15			15			
6 | 3			2.5 | 20-12			2.5 | 20-12			
1,6			6 | 3			6 | 3			
A3 | V0			1,6			1,6			
0.5-4 | -									Car fuses are located on on page 325.
0.5-4 | 0.5-2.5			0.5-4 | -			0.5-4 | -			
0.08-4			0.5-4 | 0.5-2.5			0.5-4 | 0.5-2.5			
10			0.08-4			0.08-4			
5			10			10			
5 x 20									
PA 6.6 | -40 to +120°C			PA 6.6 | -40 to +120°C			PA 6.6 | -40 to +120°C			PA 6.6 | -40 to +120°C
1 | -			1 | -			1 | -			

	Page	Qty.		Page	Qty.		Page	Qty.		Page	Qty.
FAPT 2.5/3A BG **3482.2**	279	50	FAPT 2.5/2A BG **3481.2**	279	50	FAPT 2.5/3A BG **3482.2**	279	50			
FQI 2.5/2 YE **3462.8**	302	50	FQI 2.5/2 YE **3462.8**	302	50	FQI 2.5/2 YE **3462.8**	302	50			
FQI 2.5/3 YE **3463.8**	302	50	FQI 2.5/3 YE **3463.8**	302	50	FQI 2.5/3 YE **3463.8**	302	50			
FQI 2.5/4 YE **3464.8**	302	20	FQI 2.5/4 YE **3464.8**	302	20	FQI 2.5/4 YE **3464.8**	302	20			
FQI 2.5/5 YE **3465.8**	302	20	FQI 2.5/5 YE **3465.8**	302	20	FQI 2.5/5 YE **3465.8**	302	20			
FQI 2.5/6 YE **3466.8**	302	20	FQI 2.5/6 YE **3466.8**	302	20	FQI 2.5/6 YE **3466.8**	302	20			
FQI 2.5/7 YE **3467.8**	302	20	FQI 2.5/7 YE **3467.8**	302	20	FQI 2.5/7 YE **3467.8**	302	20			
FQI 2.5/8 YE **3468.8**	302	10	FQI 2.5/8 YE **3468.8**	302	10	FQI 2.5/8 YE **3468.8**	302	10			
FQI 2.5/9 YE **3469.8**	302	10	FQI 2.5/9 YE **3469.8**	302	10	FQI 2.5/9 YE **3469.8**	302	10			
FQI 2.5/10 YE **3460.8**	302	10	FQI 2.5/10 YE **3460.8**	302	10	FQI 2.5/10 YE **3460.8**	302	10			
FAD 2.5/4/B YE **3426.8**	314	20	FAD 2.5/4/B YE **3426.8**	314	20	FAD 2.5/4/B YE **3426.8**	314	20			
ZES 35/2 BG **3811.2**	275	50	ZES 35/2 BG **3811.2**	275	50	ZES 35/2 BG **3811.2**	275	50			
SDB 0,4x2.0 **3164.0**	422	1	SDB 0,4x2.0 **3164.0**	422	1	SDB 0,4x2.0 **3164.0**	422	1			
PMC SB 5/50 WH **4600.7**	339	500	PMC SB 5/50 WH **4600.7**	339	500	PMC SB 5/50 WH **4600.7**	339	500	PMC SB 5/50 WH **4600.7**	339	500

*** When using motor vehicle fuses, the current is limited to 10 amps!**

Three-wire installation terminals FDLIS

With a width of just 5 mm, the new **FDLIS** series is available in seven versions and connects with stranded or solid wires up to 4mm^2 with a rated current of up to 32 A. Solid and stranded wires with wire-end ferrules can be inserted into the connection system without the need for tools. The pressure spring opens automatically when the wire is inserted facilitating a secure contact with the busbar. A standard screwdriver can be used to open the clamp for release or for the insertion of stranded wire without ferrules. The version with neutral disconnection is designed to accommodate a 10 x 3 mm neutral wire busbar. There is no need for an additional fixing plate because the NT terminal snaps the neutral wire busbar securely into place. The result is optimized storage and costs, combined with the added advantage that you save 1.5 mm for each fixing plate no longer needed when mounting side-by-side on the DIN rail.
The PE foot from **CONTA-CLIP** that contacts the PE potential to the DIN rail is designed to contact on both sides. This means that more material is required; however this offers more safety in the area around the protective earth contact.
In addition to the **FDLIS** range of individual terminals and all the advantages that they have to offer, **CONTA-CLIP** also has pre-assembled blocks of terminals on offer. The program contains six different blocks of terminals in common combinations for 1- to 3-phase installation structures. In addition to the above-mentioned advantages that the individual terminals offer, the use of these standard blocks saves time when installing the distribution wiring and results in extra optimization of work flows and storage costs. The special construction of the foot guarantees that these blocks of terminals are simply snapped onto the DIN rail - and can be just as easily removed. Consequently, **CONTA-CLIP** is offering an ideal enhancement to the field of installation technology.



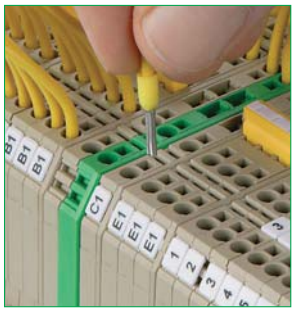
Three-wire installation terminals FDLIS

The features in detail

Wire connections

Solid and stranded wires with wire end ferrules can be inserted into the connection system without the need for tools. Connection cross-section of 4 mm², solid or stranded wire with wire-end ferrule. Rated current 32 A at only 5.1-mm single-terminal width. **FQI** cross-connections are pluggable and insulated. They are available from 2 to 10 poles and can be used to safely distribute current on the **FDLIS** terminals.

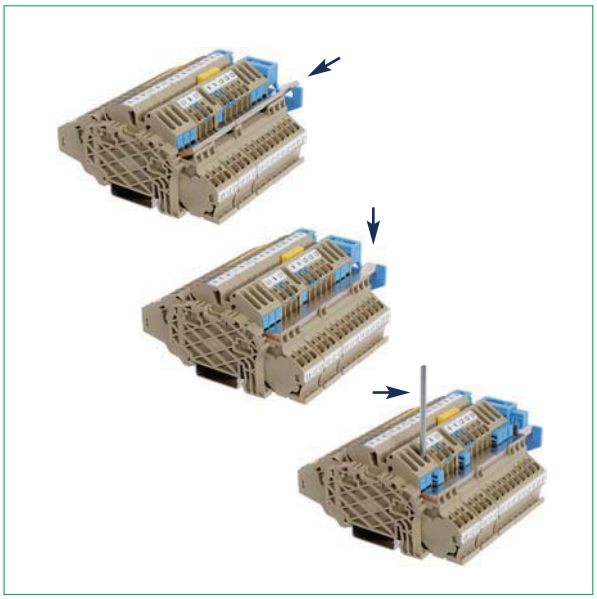
Insert FQI



Connection without tools

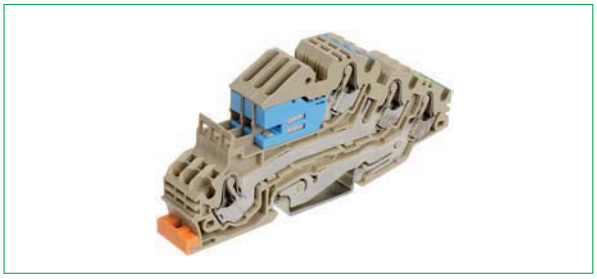
Attaching and contacting neutral busbars

The neutral disconnect terminals have an integrated fitting and mounting system for the 10 x 3 mm neutral busbars. Thus, an additional fixing plate is not needed and design width is decreased for the terminal construction. Another advantage is the reduction in storage costs. The NT rail is quickly and securely connected with the terminal via a self-connecting, no-screw NT slider.



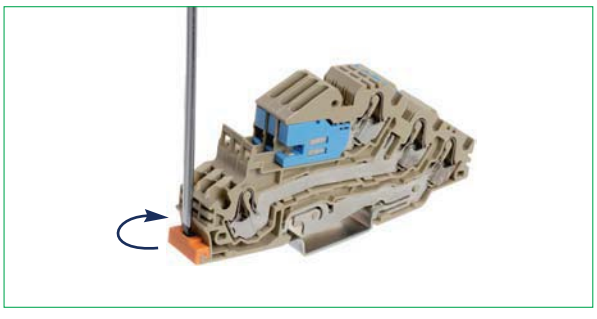
Connecting the PE foot onto the DIN rail

As with all **CONTA-CLIP** PE terminals, the **FDLIS** terminals also implement a two-sided contact with the DIN rail. In all the **FRK** series, the foot construction and busbar are made of a single piece of copper. This solid, contiguous construction guarantees low contact resistance as well as the high security of the internal-spring PE contact foot.

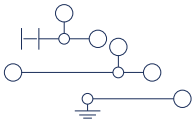
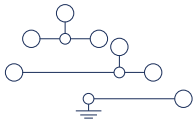
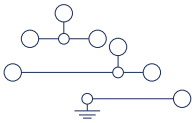


Block versions

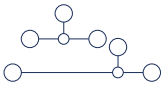
Block version terminals are connected underneath each other with pegs. This results in increased design stability compared with individual terminals. All **CONTA-CLIP** block versions can be quickly and easily snapped on, with one hand grip, using a special latch in the terminal foot. Removing the blocks is just as quick – using the connected feet with the help of a screwdriver.



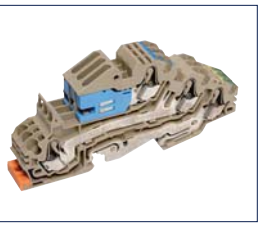
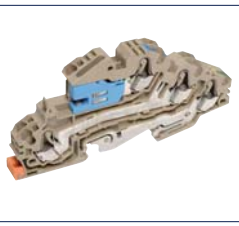
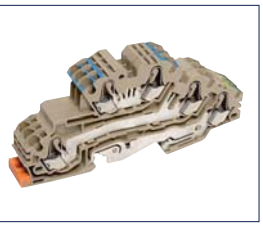
Three-wire installation terminals FDLIS

Pressure-spring connection system	FDLIS 2.5-4 NT/L/PE	FDLIS 2.5-4 N/L/PE	FDLIS 2.5-4 L/L/PE
• Foot can be snapped on TS 35 DIN rail • Housing made from polyamide 6.6 UL 94-V0			
Connection diagram			
	Three-wire installation terminals 4 connections	Three-wire installation terminals 5 connections	Three-wire installation terminals 5 connections
Connection type	**Pressure-spring system**	**Pressure-spring system**	**Pressure-spring system**
Size (L x W x H), mm with TS 35 x 7.5 mm	100 x 5.1 x 49	100 x 5.1 x 49	100 x 5.1 x 49
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	FDLIS 2.5-4 NT/L/PE	FDLIS 2.5-4 N/L/PE	FDLIS 2.5-4 L/L/PE
Cat. no.	**3240.2** 50	**3241.2** 50	**3242.2** 100
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available	(.2)	(.2)	(.2)
Ratings	**IEC cCSAus cCSAus**	**IEC cCSAus cCSAus**	**IEC cCSAus cCSAus**
Rated voltage, V	400 300 600	400 300 600	400 300 600
Rated current, A	32 25 5	32 25 5	32 25 5
Rated wire cross-section, mm² | AWG	4 | 26-10	4 | 26-10	4 | 26-10
Rated impulse voltage, kV | Contamination degree	6 | 3	6 | 3	6 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V0	A3 | V0	A3 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.2-4 | -	0.2-4 | -	0.2-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5
Contact wire range, mm²	0.2-4	0.2-4	0.2-4
Stripping length, mm	12	12	12
Special connection, mm	Busbar 10 x 3		
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels |Test pick-off	2 | -	2 | -	2 | -
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
End plate AP	FAP 4/S BG	FAP 4/S BG	FAP 4/S BG
Cat. no.	**3480.2** 279 20	**3480.2** 279 20	**3480.2** 279 20
Insulated cross-connector FQI 2 poles	FQI 2.5-4/2 YE	FQI 2.5-4/2 YE	FQI 2.5-4/2 YE
Cat. no.	**3492.8** 302 50	**3492.8** 302 50	**3492.8** 302 50
Insulated cross-connector FQI 3 poles	FQI 2.5-4/3 YE	FQI 2.5-4/3 YE	FQI 2.5-4/3 YE
Cat. no.	**3493.8** 302 50	**3493.8** 302 50	**3493.8** 302 50
Insulated cross-connector FQI 4 poles	FQI 2.5-4/4 YE	FQI 2.5-4/4 YE	FQI 2.5-4/4 YE
Cat. no.	**3494.8** 302 20	**3494.8** 302 20	**3494.8** 302 20
Insulated cross-connector FQI 5 poles	FQI 2.5-4/5 YE	FQI 2.5-4/5 YE	FQI 2.5-4/5 YE
Cat. no.	**3495.8** 302 20	**3495.8** 302 20	**3495.8** 302 20
Insulated cross-connector FQI 6 poles	FQI 2.5-4/6 YE	FQI 2.5-4/6 YE	FQI 2.5-4/6 YE
Cat. no.	**3496.8** 302 20	**3496.8** 302 20	**3496.8** 302 20
Insulated cross-connector FQI 7 poles	FQI 2.5-4/7 YE	FQI 2.5-4/7 YE	FQI 2.5-4/7 YE
Cat. no.	**3497.8** 302 20	**3497.8** 302 20	**3497.8** 302 20
Insulated cross-connector FQI 8 poles	FQI 2.5-4/8 YE	FQI 2.5-4/8 YE	FQI 2.5-4/8 YE
Cat. no.	**3498.8** 302 10	**3498.8** 302 10	**3498.8** 302 10
Insulated cross-connector FQI 9 poles	FQI 2.5-4/9 YE	FQI 2.5-4/9 YE	FQI 2.5-4/9 YE
Cat. no.	**3499.8** 302 10	**3499.8** 302 10	**3499.8** 302 10
Insulated cross-connector FQI 10 poles	FQI 2.5-4/10 YE	FQI 2.5-4/10 YE	FQI 2.5-4/10 YE
Cat. no.	**3490.8** 302 10	**3490.8** 302 10	**3490.8** 302 10
Busbar Ssch CU	Ssch 10x3 CU		
Cat. no.	**2129.0** 83 1m		
End stop ZES	ZES 35/2 BG	ZES 35/2 BG	ZES 35/2 BG
Cat. no.	**3811.2** 275 50	**3811.2** 275 50	**3811.2** 275 50
Screwdriver SDB	SDB 0,4x2.0	SDB 0,4x2.0	SDB 0,4x2.0
Cat. no.	**3164.0** 422 1	**3164.0** 422 1	**3164.0** 422 1
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	**4600.7** 339 500	**4600.7** 339 500	**4600.7** 339 500

More accessories starting on page 264.

FDLIS 2.5-4 N/L	FDLIS 2.5-4 L/L	FDLIS 2.5-4 N	FDLIS 2.5-4 L	
				
Three-wire installation terminals 4 connections	Three-wire installation terminals 4 connections	Three-wire installation terminals 2 connections	Three-wire installation terminals 2 connections	
Pressure-spring system	**Pressure-spring system**	**Pressure-spring system**	**Pressure-spring system**	
100 x 5.1 x 49	100 x 5.1 x 49	100 x 5.1 x 49	100 x 5.1 x 49	
Qty.	**Qty.**	**Qty.**	**Qty.**	
FDLIS 2.5-4 N/L **3243.2** 50	FDLIS 2.5-4 L/L **3244.2** 50	FDLIS 2.5-4 N **3245.2** 100	FDLIS 2.5-4 L **3246.2** 50	
.2	.2	.2	.2	
IEC cCSAus cCSAus	**IEC** cCSAus cCSAus	**IEC** cCSAus cCSAus	**IEC** cCSAus cCSAus	
400 300 600	400 300 600	400 300 600	400 300 600	
32 25 5	32 25 5	32 25 5	32 25 5	
4 | 26-10	4 | 26-10	4 | 26-10	4 | 26-10	
6 | 3	6 | 3	6 | 3	6 | 3	
A3 | V0	A3 | V0	A3 | V0	A3 | V0	
0.2-4 | -	0.2-4 | -	0.2-4 | -	0.2-4 | -	
0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	
0.2-4	0.2-4	0.2-4	0.2-4	
12	12	12	12	
PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	
2 | -	2 | -	2 | -	2 | -	
Page Qty.	**Page Qty.**	**Page Qty.**	**Page Qty.**	
FAP 4/S BG **3480.2** 279 20	FAP 4/S BG **3480.2** 279 20	FAP 4/S BG **3480.2** 279 20	FAP 4/S BG **3480.2** 279 20	
FQI 2.5-4/2 YE **3492.8** 302 50	FQI 2.5-4/2 YE **3492.8** 302 50	FQI 2.5-4/2 YE **3492.8** 302 50	FQI 2.5-4/2 YE **3492.8** 302 50	
FQI 2.5-4/3 YE **3493.8** 302 50	FQI 2.5-4/3 YE **3493.8** 302 50	FQI 2.5-4/3 YE **3493.8** 302 50	FQI 2.5-4/3 YE **3493.8** 302 50	
FQI 2.5-4/4 YE **3494.8** 302 20	FQI 2.5-4/4 YE **3494.8** 302 20	FQI 2.5-4/4 YE **3494.8** 302 20	FQI 2.5-4/4 YE **3494.8** 302 20	
FQI 2.5-4/5 YE **3495.8** 302 20	FQI 2.5-4/5 YE **3495.8** 302 20	FQI 2.5-4/5 YE **3495.8** 302 20	FQI 2.5-4/5 YE **3495.8** 302 20	
FQI 2.5-4/6 YE **3496.8** 302 20	FQI 2.5-4/6 YE **3496.8** 302 20	FQI 2.5-4/6 YE **3496.8** 302 20	FQI 2.5-4/6 YE **3496.8** 302 20	
FQI 2.5-4/7 YE **3497.8** 302 20	FQI 2.5-4/7 YE **3497.8** 302 20	FQI 2.5-4/7 YE **3497.8** 302 20	FQI 2.5-4/7 YE **3497.8** 302 20	
FQI 2.5-4/8 YE **3498.8** 302 10	FQI 2.5-4/8 YE **3498.8** 302 10	FQI 2.5-4/8 YE **3498.8** 302 10	FQI 2.5-4/8 YE **3498.8** 302 10	
FQI 2.5-4/9 YE **3499.8** 302 10	FQI 2.5-4/9 YE **3499.8** 302 10	FQI 2.5-4/9 YE **3499.8** 302 10	FQI 2.5-4/9 YE **3499.8** 302 10	
FQI 2.5-4/10 YE **3490.8** 302 10	FQI 2.5-4/10 YE **3490.8** 302 10	FQI 2.5-4/10 YE **3490.8** 302 10	FQI 2.5-4/10 YE **3490.8** 302 10	
ZES 35/2 BG **3811.2** 275 50	ZES 35/2 BG **3811.2** 275 50	ZES 35/2 BG **3811.2** 275 50	ZES 35/2 BG **3811.2** 275 50	
SDB 0,4x2.0 **3164.0** 422 1	SDB 0,4x2.0 **3164.0** 422 1	SDB 0,4x2.0 **3164.0** 422 1	SDB 0,4x2.0 **3164.0** 422 1	
PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500	

Three-wire installation terminals and block versions FDLIS

Pressure-spring connection system	FDLIS B 2.5-4 3NT/3L/3PE	FDLIS B 2.5-4 NT/3L/PE	FDLIS B 2.5-4 3L/3N/3PE
			
• Foot can be snapped on TS 35 DIN rail • Housing made from polyamide 6.6 UL 94-V0			
Connection diagram			
	Three-wire installation blocks	Three-wire installation blocks	Three-wire installation blocks
Connection type	**Pressure-spring system**	**Pressure-spring system**	**Pressure-spring system**
Size (L x W x H), mm with TS 35 x 7.5 mm	100 x 15.3 x 49	100 x 10.2 x 49	100 x 15.3 x 49
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	FDLIS B 2.5-4 3NT/3L/3PE	FDLIS B 2.5-4 NT/3L/PE	FDLIS B 2.5-4 3L/3N/3PE
Cat. no.	**3247.2** 16	**3248.2** 25	**3249.2** 16
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available	(2)	(2)	(2)
Ratings	**IEC cCSAus cCSAus**	**IEC cCSAus cCSAus**	**IEC cCSAus cCSAus**
Rated voltage, V	400 300 600	400 300 600	400 300 600
Rated current, A	32 25 5	32 25 5	32 25 5
Rated wire cross-section, mm² | AWG	4 | 26-10	4 | 26-10	4 | 26-10
Rated impulse voltage, kV | Contamination degree	6 | 3	6 | 3	6 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V0	A3 | V0	A3 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.2-4 | -	0.2-4 | -	0.2-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5
Contact wire range, mm²	0.2-4	0.2-4	0.2-4
Stripping length, mm	12	12	12
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels |Test pick-off	2 | -	2 | -	2 | -
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
FAP end plate	FAP 4/S BG	FAP 4/S BG	FAP 4/S BG
Cat. no.	**3480.2** 279 20	**3480.2** 279 20	**3480.2** 279 20
Insulated cross-connector FQI	FQI 2.5-4/2 YE	FQI 2.5-4/2 YE	FQI 2.5-4/2 YE
Cat. no. 2 poles	**3492.8** 302 50	**3492.8** 302 50	**3492.8** 302 50
Insulated cross-connector FQI	FQI 2.5-4/3 YE	FQI 2.5-4/3 YE	FQI 2.5-4/3 YE
Cat. no. 3 poles	**3493.8** 302 50	**3493.8** 302 50	**3493.8** 302 50
Insulated cross-connector FQI	FQI 2.5-4/4 YE	FQI 2.5-4/4 YE	FQI 2.5-4/4 YE
Cat. no. 4 poles	**3494.8** 302 20	**3494.8** 302 20	**3494.8** 302 20
Insulated cross-connector FQI	FQI 2.5-4/5 YE	FQI 2.5-4/5 YE	FQI 2.5-4/5 YE
Cat. no. 5 poles	**3495.8** 302 20	**3495.8** 302 20	**3495.8** 302 20
Insulated cross-connector FQI	FQI 2.5-4/6 YE	FQI 2.5-4/6 YE	FQI 2.5-4/6 YE
Cat. no. 6 poles	**3496.8** 302 20	**3496.8** 302 20	**3496.8** 302 20
Insulated cross-connector FQI	FQI 2.5-4/7 YE	FQI 2.5-4/7 YE	FQI 2.5-4/7 YE
Cat. no. 7 poles	**3497.8** 302 20	**3497.8** 302 20	**3497.8** 302 20
Insulated cross-connector FQI	FQI 2.5-4/8 YE	FQI 2.5-4/8 YE	FQI 2.5-4/8 YE
Cat. no. 8 poles	**3498.8** 302 10	**3498.8** 302 10	**3498.8** 302 10
Insulated cross-connector FQI	FQI 2.5-4/9 YE	FQI 2.5-4/9 YE	FQI 2.5-4/9 YE
Cat. no. 9 poles	**3499.8** 302 10	**3499.8** 302 10	**3499.8** 302 10
Insulated cross-connector FQI	FQI 2.5-4/10 YE	FQI 2.5-4/10 YE	FQI 2.5-4/10 YE
Cat. no. 10 poles	**3490.8** 302 10	**3490.8** 302 10	**3490.8** 302 10
Busbar Ssch CU	Ssch 10x3 CU	Ssch 10x3 CU	
Cat. no.	**2129.0** 83 1m	**2129.0** 83 1m	
End stop ZES	ZES 35/2 BG	ZES 35/2 BG	ZES 35/2 BG
Cat. no.	**3811.2** 275 50	**3811.2** 275 50	**3811.2** 275 50
Screwdriver SDB	SDB 0,4x2.0	SDB 0,4x2.0	SDB 0,4x2.0
Cat. no.	**3164.0** 422 1	**3164.0** 422 1	**3164.0** 422 1
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	**4600.7** 339 500	**4600.7** 339 500	**4600.7** 339 500

More accessories starting on page 264.

FDLIS B 2.5-4 3L/N/PE

Three-wire installation blocks

Pressure-spring system
100 x 10.2 x 49

	Qty.
FDLIS B 2.5-4 3L/N/PE **3250.2**	25

.2

IEC	cCSAus	cCSAus
400	300	600
32	25	5

4 | 26-10
6 | 3
A3 | V0

0.2-4 | -
0.2-4 | 0.2-2.5
0.2-4
12

PA 6.6 | -40 to +120°C
2 | -

	Page	Qty.
FAP 4/S BG **3480.2**	279	20
FQI 2.5-4/2 YE **3492.8**	302	50
FQI 2.5-4/3 YE **3493.8**	302	50
FQI 2.5-4/4 YE **3494.8**	302	20
FQI 2.5-4/5 YE **3495.8**	302	20
FQI 2.5-4/6 YE **3496.8**	302	20
FQI 2.5-4/7 YE **3497.8**	302	20
FQI 2.5-4/8 YE **3498.8**	302	10
FQI 2.5-4/9 YE **3499.8**	302	10
FQI 2.5-4/10 YE **3490.8**	302	10
ZES 35/2 BG **3811.2**	275	50
SDB 0,4x2.0 **3164.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

FDLIS B 2.5-4 6L

Three-wire installation blocks

Pressure-spring system
100 x 15.3 x 49

	Qty.
FDLIS B 2.5-4 6L **3251.2**	16

.2

IEC	cCSAus	cCSAus
400	300	600
32	25	5

4 | 26-10
6 | 3
A3 | V0

0.2-4 | -
0.2-4 | 0.2-2.5
0.2-4
12

PA 6.6 | -40 to +120°C
2 | -

	Page	Qty.
FAP 4/S BG **3480.2**	279	20
FQI 2.5-4/2 YE **3492.8**	302	50
FQI 2.5-4/3 YE **3493.8**	302	50
FQI 2.5-4/4 YE **3494.8**	302	20
FQI 2.5-4/5 YE **3495.8**	302	20
FQI 2.5-4/6 YE **3496.8**	302	20
FQI 2.5-4/7 YE **3497.8**	302	20
FQI 2.5-4/8 YE **3498.8**	302	10
FQI 2.5-4/9 YE **3499.8**	302	10
FQI 2.5-4/10 YE **3490.8**	302	10
ZES 35/2 BG **3811.2**	275	50
SDB 0,4x2.0 **3164.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

FDLIS 2.5-4 6L/3PE

Three-wire installation blocks

Pressure-spring system
100 x 15.3 x 49

	Qty.
FDLIS 2.5-4 6L/3PE **3252.2**	16

.2

IEC	cCSAus	cCSAus
400	300	600
32	25	5

4 | 26-10
6 | 3
A3 | V0

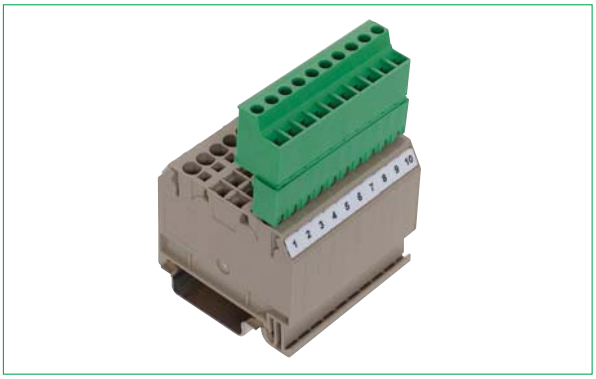
0.2-4 | -
0.2-4 | 0.2-2.5
0.2-4
12

PA 6.6 | -40 to +120°C
2 | -

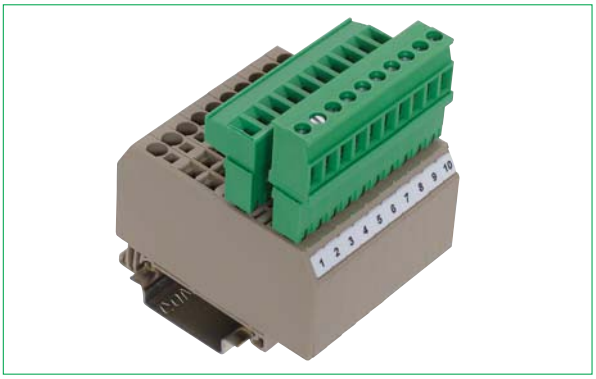
	Page	Qty.
FAP 4/S BG **3480.2**	279	20
FQI 2.5-4/2 YE **3492.8**	302	50
FQI 2.5-4/3 YE **3493.8**	302	50
FQI 2.5-4/4 YE **3494.8**	302	20
FQI 2.5-4/5 YE **3495.8**	302	20
FQI 2.5-4/6 YE **3496.8**	302	20
FQI 2.5-4/7 YE **3497.8**	302	20
FQI 2.5-4/8 YE **3498.8**	302	10
FQI 2.5-4/9 YE **3499.8**	302	10
FQI 2.5-4/10 YE **3490.8**	302	10
ZES 35/2 BG **3811.2**	275	50
SDB 0,4x2.0 **3164.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

Plug adapter for the FRK pressure-spring connection system in 5.08-mm pitch

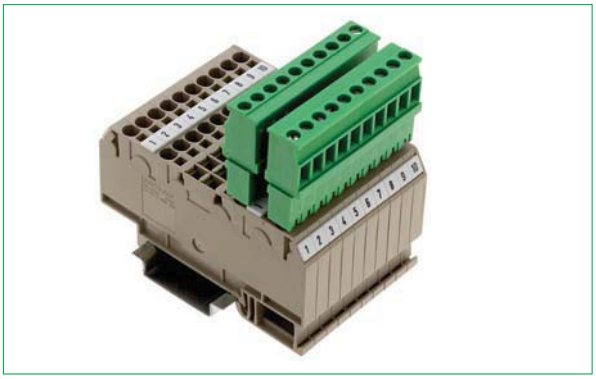
CONTA-CONNECT together with CONTA-CON



FRK 2.5/2A combined with the STL 950/10/5.08-V-G-L

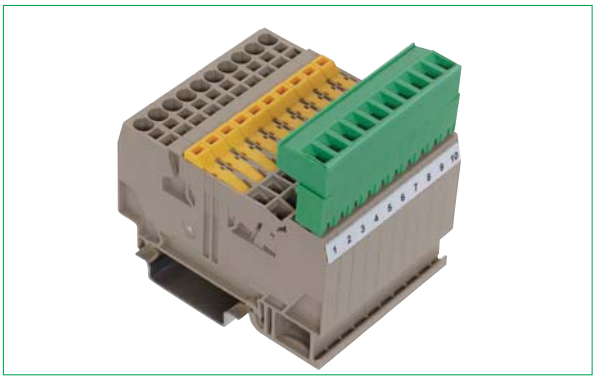


FRK 2.5/3A combined with the STL 950/10/5.08-V-G-L



FRK 2.5/4A combined with the STL 950/10/5.08-G-L

FRKD 2.5 combined with the STL 950/10/5.08-G-L



FTRK 2.5/2A MT combined with the STL 950/10/5.08-V-G-L

FRK 2.5/3A with the BW 10 actuating tool

The standard **FRK 2.5**, **FRKD 2.5** and **FTRK2.5** pressure-spring terminals from the **CONTA-CONNECT** line can be retroactively converted to pluggable versions by using the **STL 950/.../5.08-V-G-L** male pin headers.

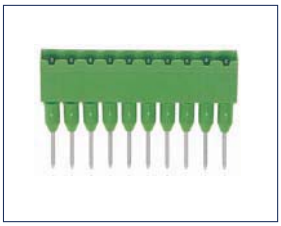
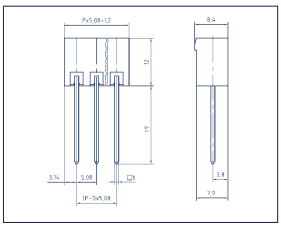
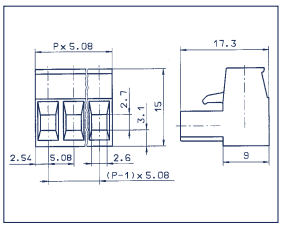
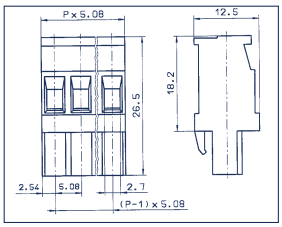
It is quick and easy to connect each connection level with the pin header.

The **BW** actuating tool (available in 1 to 10 poles) can be used to open up to ten springs simultaneously. This simplifies and accelerates the installation process.

The combination of the **FRK** pressure-spring technology and the **CONTA-CON** PCB connectors results in a dramatic reduction in expensive final-assembly overhead. It also enables quick replacements during maintenance and commissioning work. Coding without pole loss is possible with all combinations. (Refer to the coding section of the **CONTA-CON** Catalogue.)

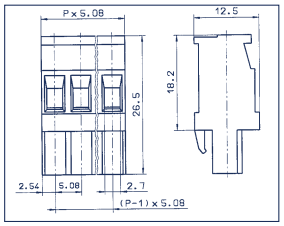
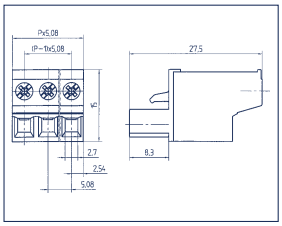
Note: With voltage up to 42 V, connectors may only be plugged in or disconnected when under no load. When assembling the output side of the tension-spring terminals with **STL 950/.../5.08-V-G-L** pin headers, the rated voltage must not exceed 50 V since the live-voltage pin headers offer no touch-safe protection when unplugged.

Plug adapter

Pressure-spring connection system	STL 950/.../5.08-V-G-L /(FRK)	PKB 950/.../5.08	PKB 1100/.../5.08
			
Housing made of polyamide PA6.6 V0 Colour: green, RAL 6018			
Diagram			
Dimensions			
	Pole count x 5.08 + 1.2	Pole count x 5.08	Pole count x 5.08
Type	**Qty.**	**Qty.**	**Qty.**
Cat. no. Type colour 2 poles	STL 950/2/5.08-V-G-L GN (FRK) **13871.1** 50	PKB 950/2/5.08 GN **11230.1** 50	PKB 1100/2/5.08 GN **11305.1** 50
Cat. no. Type colour 3 poles	STL 950/3/5.08-V-G-L GN (FRK) **13872.1** 50	PKB 950/3/5.08 GN **11231.1** 50	PKB 1100/3/5.08 GN **11306.1** 50
Cat. no. Type colour 4 poles	STL 950/4/5.08-V-G-L GN (FRK) **13873.1** 50	PKB 950/4/5.08 GN **11232.1** 50	PKB 1100/4/5.08 GN **11307.1** 50
Cat. no. Type colour 5 poles	STL 950/5/5.08-V-G-L GN (FRK) **13874.1** 50	PKB 950/5/5.08 GN **11233.1** 50	PKB 1100/5/5.08 GN **11308.1** 50
Cat. no. Type colour 6 poles	STL 950/6/5.08-V-G-L GN (FRK) **13875.1** 50	PKB 950/6/5.08 GN **11234.1** 50	PKB 1100/6/5.08 GN **11309.1** 50
Cat. no. Type colour 7 poles	STL 950/7/5.08-V-G-L GN (FRK) **13876.1** 50	PKB 950/7/5.08 GN **11235.1** 50	PKB 1100/7/5.08 GN **11310.1** 50
Cat. no. Type colour 8 poles	STL 950/8/5.08-V-G-L GN (FRK) **13877.1** 50	PKB 950/8/5.08 GN **11236.1** 50	PKB 1100/8/5.08 GN **11311.1** 50
Cat. no. Type colour 9 poles	STL 950/9/5.08-V-G-L GN (FRK) **13878.1** 50	PKB 950/9/5.08 GN **11237.1** 50	PKB 1100/9/5.08 GN **11312.1** 50
Cat. no. Type colour 10 poles	STL 950/10/5.08-V-G-L GN (FRK) **13879.1** 50	PKB 950/10/5.08 GN **11238.1** 50	PKB 1100/10/5.08 GN **11313.1** 50
Colours available	.1	.1	.1
Ratings	**IEC UL VDE**	**IEC UL VDE**	**IEC UL VDE**
Rated voltage, V	250 300 250	250 300 250	250 300 250
Rated current, A	12 15 12 (T60)	12 15 12 (T60)	12 15 12 (T60)
Rated wire cross-section, mm² | AWG	- - -	- 2.5 I 22-12 -	- 2.5 I 22-12 -
Rated impulse voltage, kV | Contamination degree	4 | 3	4 | 3	4 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	- I V0	- I V0	- I V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	-	0.2 - 2.5 I -	0.2 - 2.5 I -
stranded | stranded (with ferrules acc. to DIN 46 228/1) mm²	-	0.2 - 2.5 I 0.2 - 2.5	0.2 - 2.5 I 0.2 - 2.5
Contact wire range, mm²	-	0.08 - 2.5	0.08 - 2.5
Stripping length, mm	-	6	7
Torque, Nm | Screw	-	0.5 I Slotted M3	0.5 I Slotted M3
Special connection	-	-	-
Features			
Material of insulated housing | Temperature range	PA 6.6 | -30 to +105°C	PA 6.6 | -30 to +105°C	PA 6.6 | -30 to +105°C
Number of cross-connection channels | Test pick-off option	-	-	-
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Coding K **Cat. no.**	K2 **12003.9** - 100	K1 **12002.9** - 100	K1 **12002.9** - 100
labelling card BK **Cat. no.**	BK 1-12/5.08 **2960.0** - 10	BK 1-12/5.08 **2960.0** - 10	BK 1-12/5.08 **2960.0** - 10
labelling card BK **Cat. no.**	BK 13-24/5.08 **2961.0** - 10	BK 13-24/5.08 **2961.0** - 10	BK 13-24/5.08 **2961.0** - 10
Dummy plug BLS **Cat. no.**	BLS-STL **13284.1** - 100		
For terminal			
	FRK 2.5/... FSL 2.5/... FRKD 2.5... FSLD 2.5 FTRK 2.5/...		

More accessories starting on page 264.

Plug adapter

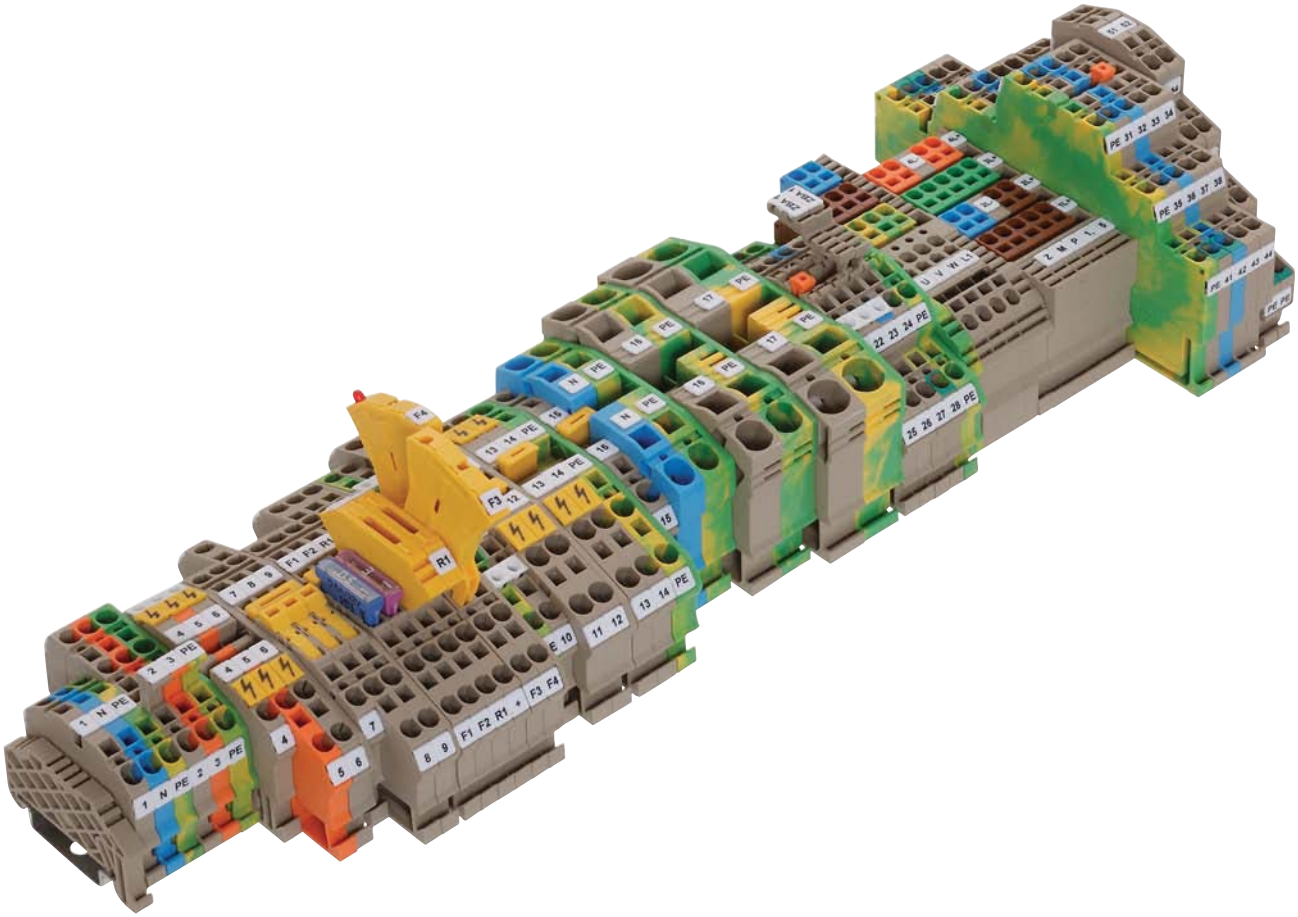
Pressure-spring connection system	PKB 1110/.../5.08	PBT 1200/.../5.08	BW/... (FRK)
Housing made from polyamide PA 6.6 V0 colour: green, RAL 6018			
Diagram			

Dimensions			
	Pole count x 5.08	Pole count x 5.08	-
Type	**Qty.**	**Qty.**	**Qty.**
Cat. no. / Type colour / 2 poles	PKB 1110/2/5.08 GN **11339.1** 50	PBT 1200/2/5.08 GN **11354.1** 50	BW/2 (FRK) **3832.0** 1
Cat. no. / Type colour / 3 poles	PKB 1110/3/5.08 GN **11340.1** 50	PBT 1200/3/5.08 GN **11355.1** 50	BW/3 (FRK) **3833.0** 1
Cat. no. / Type colour / 4 poles	PKB 1110/4/5.08 GN **11341.1** 50	PBT 1200/4/5.08 GN **11356.1** 50	BW/4 (FRK) **3834.0** 1
Cat. no. / Type colour / 5 poles	PKB 1110/5/5.08 GN **11342.1** 50	PBT 1200/5/5.08 GN **11357.1** 50	BW/5 (FRK) **3835.0** 1
Cat. no. / Type colour / 6 poles	PKB 1110/6/5.08 GN **11343.1** 50	PBT 1200/6/5.08 GN **11358.1** 50	BW/6 (FRK) **3836.0** 1
Cat. no. / Type colour / 7 poles	PKB 1110/7/5.08 GN **11344.1** 50	PBT 1200/7/5.08 GN **11359.1** 50	BW/7 (FRK) **3787.0** 1
Cat. no. / Type colour / 8 poles	PKB 1110/8/5.08 GN **11345.1** 50	PBT 1200/8/5.08 GN **11360.1** 50	BW/8 (FRK) **3788.0** 1
Cat. no. / Type colour / 9 poles	PKB 1110/9/5.08 GN **11346.1** 50	PBT 1200/9/5.08 GN **11361.1** 50	BW/9 (FRK) **3789.0** 1
Cat. no. / Type colour / 10 poles	PKB 1110/10/5.08 GN **11347.1** 50	PBT 1200/10/5.08 GN **11362.1** 50	BW/10 (FRK) **3790.0** 1
Colours available	.1	.1	.1
Ratings	**IEC UL VDE**	**IEC UL VDE**	
Rated voltage, V	250 300 250	250 300 250	
Rated current, A	12 15 12 (T60)	12 15 12 (T60)	
Rated wire cross-section, mm² | AWG	- 2.5 I 22-12 -	- 2.5 I 22-12 -	
Rated impulse voltage, kV | Contamination degree	4 | 3	4 | 3	
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	- I V0	- I V0	
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.2 - 2.5 I -	0.2 - 2.5 I -	
stranded | stranded (with ferrules acc. to DIN 46 228/1) mm²	0.2 - 2.5 I 0.2 - 2.5	0.2 - 2.5 I 0.2 - 2.5	
Contact wire range, mm²	0.08 - 2.5	0.08 - 2.5	
Stripping length, mm	7	10	
Torque, Nm | Screw	0.5 I Slotted M3	0.5 I Slotted M2.5	
Special connection	-	-	
Features			
Material of insulated housing | Temperature range	PA 6.6 | -30 to +105°C	PA 6.6 | -30 to +105°C	
Number of cross-connection channels | Test pick-off option	-	-	
Accessories	**Page Qty.**	**Page Qty.**	
Coding K **Cat. no.**	K2 **12003.9** - 100	K1 **12002.9** - 100	
labelling card BK **Cat. no.**	BK 1-12/5.08 **2960.0** - 10	BK 1-12/5.08 **2960.0** - 10	
labelling card BK **Cat. no.**	BK 13-24/5.08 **2961.0** - 10	BK 13-24/5.08 **2961.0** - 10	
Dummy plug BLS **Cat. no.**			
For terminal			

More accessories starting on page 264.

Tension-spring connection system ZRK | ZSL *Proven – Safe – Reliable*

CONTA-CLIP offers an innovative product line featuring the proven tension-spring connection system for the smallest cross-sections ranging from 0.2 mm^2 to 16 mm^2. This includes feed-through and protective-earth terminal, disconnect terminals, fused terminals, actuator terminals, sensor terminals, motor-connection terminals and direct-mounting terminals. The tension-spring top mechanism provides safe and quick connections for solid and stranded wires, with or without wire-end ferrules. The protective-earth terminals feature a PE foot contact that is snapped on, ensuring mechanical and electrical safety. The PE foot contact is on both sides of the PE terminals and can be snapped on to the DIN rail with no screws. Our well-designed line of accessories allows you to significantly reduce your installation and storage costs. You can multiply voltage potentials horizontally or vertically with the ZQI and ZVQI pluggable potential distribution systems. All of the insulating materials used in this product line are free of pollutants. They also comply with flammability class V0 (self-extinguishing) according to UL 94.



Tension-spring connection system ZRK | ZSL

Features

a The connection | Secure contact

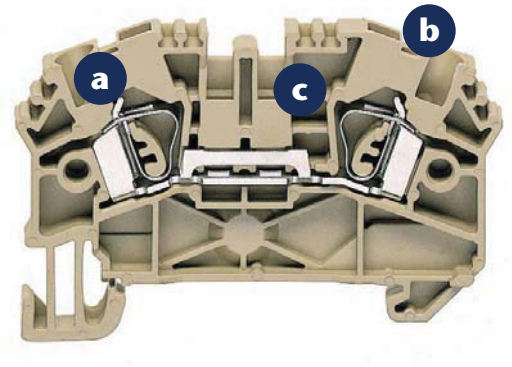
The tension-spring at the wire connection is held securely by the positioned busbar.

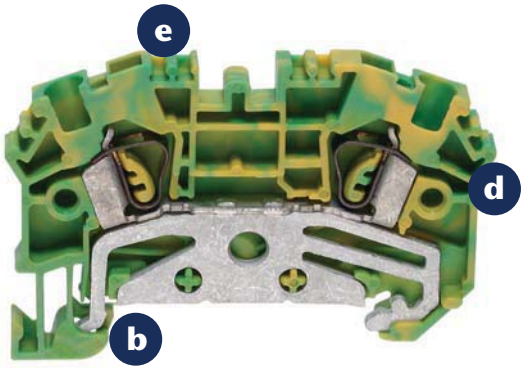
- The stainless steel spring provides permanent contact force between the wire and the busbar
- Clear separation of electrical and mechanical functions
- The busbars are made from copper with surface coating (tin)
- Resistant to vibration and maintenance-free
- Corrosion-free
- Space-saving design
- Foot base can be snapped on TS 35 DIN rail

b Quick and easy to wire

Less time spent wiring thanks to the easy-to-operate tension-spring connection mechanism.

- Easy to work with
- Easy to operate, even under cramped working conditions, because of the TOP connection
- Generous wire-entry geometry
- Saves time and money
- PE foot contact on both sides – can be snapped on (no screws) to **TS 35x7.5** and **TS 35x1**5 rails





c Pluggable cross-connection options

Distributing potentials with the pluggable **ZQI** cross-connection system is quick and easy. Two cross-connection channels allow two voltages to be fed across when working with the standard terminals with rated cross-sections of 2.5 mm² and 4 mm².

- Available in 2 – 10 and 99 poles (for custom assemblies)
- Simple to insert and thus quicker to install
- No insulation plate or partition plate is required between a neighbouring cross-connection, since the ZQI has a touch-safe protective design
- Cross-connection can carry the full rated current and voltage of the corresponding terminal block
- Individual terminals can be skipped over by breaking out contact pins in the cross-connector

d Housing insulation material

- Polyamide PA6.6 UL 94, flamm. class V0, self-extinguishing without burning drops
- Free of hazardous materials such as halogen or phosphor
- Creepage resistance: CTI 600
- Operating temperature from -40°C to +120°C

e Marking options

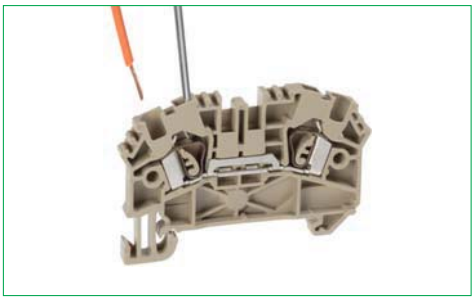
Marking options are available for the standard terminals in 2.5 mm² to 16 mm².

Tension-spring connection system ZRK | ZSL

An overview of the advantages

Less wiring time |
Compact shape

The tension-spring connect system – thanks to its TOP connection and compact shape – provides an advantage when wiring in cramped working conditions.



More spacious connection space

The larger connection space offered by the ZRK | ZSL tension-clamp terminals speeds up wiring for solid or stranded wires with or without wire-end ferrules. The rated cross-sections specified in our documentation correspond to a connection with stranded wires using wire-end ferrules. It is also possible to use solid wires up to the next larger cross-section size.

Cross-connection system

The standard feed-though terminals in 2.5 mm² and 4 mm² feature two cross-connection channels. So the two-pole **ZQI.../2** cross-connectors can be used to connect any number of terminals with each other.

Distributing potentials

The cross-connectors are available from 2 to 10 poles and with 99 poles. Two cross-connection channels allow two voltages to be fed across when working with the standard terminals with rated cross-sections of 2.5 mm² and 4 mm².

Skip-over bridging

It is possible to skip over terminal blocks by breaking out individual contact poles. You can mark these broken-off contact elements using the plastic insulation of the cross-connector.

Power feed with small cross-sections

With tension-spring terminals of larger cross-sections, standard cross-connectors can connect to a single terminal of the next size up for the power feed-in. The ZQI cross-connection system can carry the rated voltage and rated current.

Tension-spring connection system ZRK | ZSL

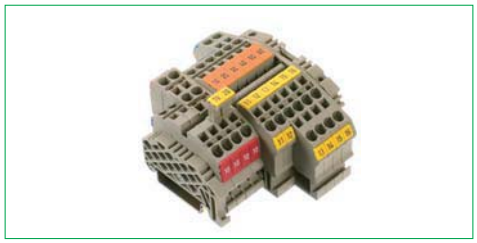
An overview of the advantages

Vertical connection for multi-level terminals

The different levels of the double-level and triple-level terminals can be connected electrically using a vertical connector.

Labelling

High-quality, quick and concise labelling is possible when using the **PMC SB**, **PMC BSTR** or **MC** labelling systems. The standard terminals feature up to four labelling channels.

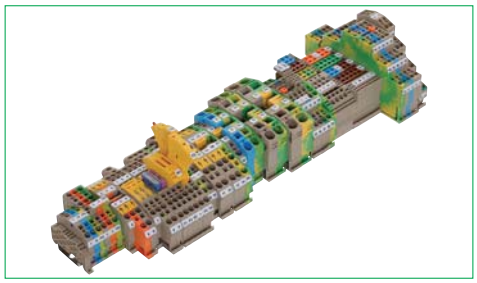


Additional marking options

In addition to the standard holder in the terminal housing, you can also label the multi-level terminals. The **ZBA** labelling adapter can be attached to the middle of the terminal housing – even when the terminal is wired up.

An effective and comprehensive range

The feed-through and PE terminals with cross-sections of 2.5 mm^2 to 4 mm^2 are available in two-wire, three-wire and four-wire versions. The product line also includes standard terminals and functional terminals including fused terminals, initiator terminals, disconnect terminals and direct-mounting terminals.



Testing assembled terminal blocks

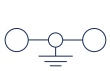
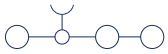
The ZTA test adapters can be assembled to any pole counts using the locking pegs. They can be used to test assembled terminal block strips in a quick and safe manner. Wire cross-sections ranging from 0.5 mm^2 to 1 mm^2 can be connected. Each tension-clamp terminal has a corresponding test point for establishing contact to the potential voltage on the busbar.

A comprehensive line of accessories

is available starting at page 264.

- DIN rails
- Mechanical attachment | end stop
- Group marker holders
- End plates | Visual separation
- Cross-connections (Potential distribution)
- Covers
- Reducing sleeves
- Test adapters

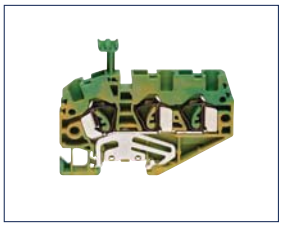
Feed-through terminals ZSRK | Protective earth terminals ZSLN

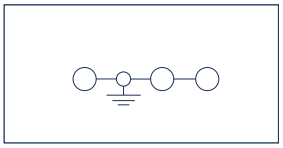
Tension-spring connection system	ZSRK 2,5/2A/15	ZSLN 2,5/2A/15	ZSRK 2,5/3A/15
• Foot can be snapped on TS15 or TS35 DIN rails • Housing made from polyamide 6.6 UL 94-V0			
Connection diagram			
	Feed-through terminal 2 connections	Protective earth terminal 2 connections	Feed-through terminal 3 connections

Connection type	Tension-spring	Tension-spring	Tension-spring
Size (L x W x H) with TS 15 x 5.5 (H with labelling adapter), in mm	40 x 5.1 x 34	40 x 5.1 x 34	52.5 x 5.1 x 34 (44)
Size (L x W x H) with TS 35 x 7.0 (H with labelling adapter), in mm			
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	ZSRK 2,5/2A/15 BG	ZSLN 2,5/2A/15 GNYE	ZSRK 2,5/3A/15 BG
Cat. no.	**3585.2** 100	**3586.2** 100	**3599.2** 100
Type colour	ZSRK 2,5/2A/15 BU		ZSRK 2,5/3A/15 BU
Cat. no.	**3585.5** 100		**3599.5** 100
Type colour	ZSRK 2,5/2A/15 OG		ZSRK 2,5/3A/15 OG
Cat. no.	**3585.3** 100		**3599.3** 100
Type colour			
Cat. no.			
Colours available	(2) (.5) (3) (.1) (8) (.9)	(2)	(2) (.5) (3) (.1) (8) (.9)
Ratings	**IEC CSAus CSA**	**IEC CSAus CSA**	**IEC CSAus CSA**
Rated voltage, V	800 300 300		800 300 300
Rated current, A	24 20 20		24 20 20
Rated wire cross-section, mm² | AWG	2.5 | 20-12	2.5 | 20-12	2.5 | 20-12
Rated impulse voltage, kV | Contamination degree	8 | 3	8 | 3	8 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V0	A3 | V0	A3 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.5-4 | -	0.5-4 | -	0.5-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5
Contact wire range, mm²	0.08-4	0.08-4	0.08-4
Stripping length, mm	10	10	10
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels | Test pick-off	1 | 2	1 | 2	1 | 2
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
End plate AP	ZAP SR BG	ZAP-SR GN	ZAP SR 3A/15 BG
Cat. no.	**3757.2** 280 50	**3757.1** 280 50	**3794.2** 280 50
Insulated cross-connector ZQI 2 poles	ZQI 2,5/2 YE		ZQI 2,5/2 YE
Cat. no.	**3710.8** 308 50		**3710.8** 308 50
Insulated cross-connector ZQI 3 poles	ZQI 2,5/3 YE		ZQI 2,5/3 YE
Cat. no.	**3711.8** 308 50		**3711.8** 308 50
Insulated cross-connector ZQI 4 poles	ZQI 2,5/4 YE		ZQI 2,5/4 YE
Cat. no.	**3712.8** 308 20		**3712.8** 308 20
Insulated cross-connector ZQI 5 poles	ZQI 2,5/5 YE		ZQI 2,5/5 YE
Cat. no.	**3713.8** 308 20		**3713.8** 308 20
Insulated cross-connector ZQI 6 poles	ZQI 2,5/6 YE		ZQI 2,5/6 YE
Cat. no.	**3714.8** 308 20		**3714.8** 308 20
Insulated cross-connector ZQI 7 poles	ZQI 2,5/7 YE		ZQI 2,5/7 YE
Cat. no.	**3715.8** 308 20		**3715.8** 308 20
Insulated cross-connector ZQI 8 poles	ZQI 2,5/8 YE		ZQI 2,5/8 YE
Cat. no.	**3716.8** 308 10		**3716.8** 308 10
Insulated cross-connector ZQI 9 poles	ZQI 2,5/9 YE		ZQI 2,5/9 YE
Cat. no.	**3717.8** 308 10		**3717.8** 308 10
Insulated cross-connector ZQI 10 poles	ZQI 2,5/10 YE		ZQI 2,5/10 YE
Cat. no.	**3718.8** 308 10		**3718.8** 308 10
Insulated cross-connector ZQI 99 poles	ZQI 2,5/0.5 m/99 poles YE		ZQI 2,5/0.5 m/99 poles YE
Cat. no.	**3719.8** 308 1		**3719.8** 308 1
Four-way cover ZAD	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE
Cat. no.	**3706.0** 315 20	**3706.0** 315 20	**3706.0** 315 20
End stop ZES	ZES 15 BG	ZES 15 BG	ZES 15 BG
Cat. no.	**3812.2** 275 50	**3812.2** 275 50	**3812.2** 275 50
Test adapter ZTA	ZTA 2,5	ZTA 2,5	ZTA 2,5
Cat. no.	**3740.2** 320 10	**3740.2** 320 10	**3740.2** 320 10
Screwdriver / Metal actuating tool BWMA	BWMA 1 (0.5x3.5mm)	BWMA 1 (0.5x3.5mm)	BWMA 1 (0.5x3.5mm)
Cat. no.	**3808.0** 328 1	**3808.0** 328 1	**3808.0** 328 1
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	**4600.7** 339 500	**4600.7** 339 500	**4600.7** 339 500

More accessories starting on page 264.

ZSLN 2,5/3A/15





Protective earth terminal
3 connections

Tension-spring

52.5 x 5.1 x 34 (44)

	Qty.
ZSLN 2,5/3A/15 GNYE **3601.2**	100

(2)

IEC	CSAus	CSA
2.5 | 20-12		
8 | 3		
A3 | V0		
0.5-4 | -		
0.5-4 | 0.5-2.5		
0.08-4		
10		

PA 6.6 | -40 to +120°C
1 | 2

	Page	Qty.
ZAP SR 3A/15 GN **3794.1**	280	50
ZAD 2.5/4/B YE **3706.0**	315	20
ZES 15 BG **3812.2**	275	50
ZTA 2,5 **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

ZSRK 2,5/2A

Feed-through terminal
2 connections

Tension-spring

43.5 x 5.1 x 36.5

	Qty.
ZSRK 2,5/2A BG **3583.2**	100
ZSRK 2,5/2A BU **3583.5**	100
ZSRK 2,5/2A OG **3583.3**	100

(2) (.5) (3) (.1) (.8) (.9)

IEC	CSAus	CSA
800	300	300
24	20	20
2.5 | 20-12		
8 | 3		
A3 | V0		
0.5-4 | -		
0.5-4 | 0.5-2.5		
0.08-4		
10		

PA 6.6 | -40 to +120°C
1 | 2

	Page	Qty.
ZAP SR BG **3757.2**	280	50
ZQI 2,5/2 YE **3710.8**	308	50
ZQI 2,5/3 YE **3711.8**	308	50
ZQI 2,5/4 YE **3712.8**	308	20
ZQI 2,5/5 YE **3713.8**	308	20
ZQI 2,5/6 YE **3714.8**	308	20
ZQI 2,5/7 YE **3715.8**	308	20
ZQI 2,5/8 YE **3716.8/**	308	10
ZQI 2,5/9 YE **3717.8**	308	10
ZQI 2,5/10 YE **3718.8**	308	10
ZQI 2,5/0.5 m/99 poles YE **3719.8**	308	1
ZAD 2.5/4/B YE **3706.0**	315	20
ZES 35/2 BG **3811.2**	275	50
ZTA 2,5 **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

ZSLN 2,5/2A

Protective earth terminal
2 connections

Tension-spring

43.5 x 5.1 x 36.5

	Qty.
ZSLN 2,5/2A GNYE **3584.2**	100

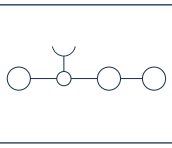
(2)

IEC	CSAus	CSA
2.5 | 20-12		
8 | 3		
A3 | V0		
0.5-4 | -		
0.5-4 | 0.5-2.5		
0.08-4		
10		

PA 6.6 | -40 to +120°C
1 | 2

	Page	Qty.
ZAP SR GN **3757.1**	280	50
ZAD 2.5/4/B YE **3706.0**	315	20
ZES 35/2 BG **3811.2**	275	50
ZTA 2,5 **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

ZSRK 2,5/3A



Feed-through terminal
3 connections

Tension-spring

55 x 5.1 x 36.5 (46.5)

	Qty.
ZSRK 2,5/3A BG **3600.2**	100
ZSRK 2,5/3A BU **3600.5**	100
ZSRK 2,5/3A OG **3600.3**	100

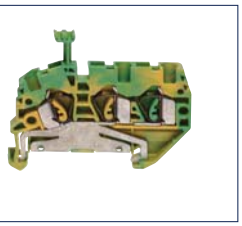
(2) (.5) (3) (.1) (.8) (.9)

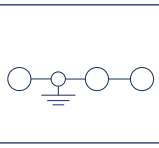
IEC	CSAus	CSA
800	300	300
24	20	20
2.5 | 20-12		
8 | 3		
A3 | V0		
0.5-4 | -		
0.5-4 | 0.5-2.5		
0.08-4		
10		

PA 6.6 | -40 to +120°C
1 | 2

	Page	Qty.
ZAP SR 3A/35 BG **3795.2**	280	50
ZQI 2,5/2 YE **3710.8**	308	50
ZQI 2,5/3 YE **3711.8**	308	50
ZQI 2,5/4 YE **3712.8**	308	20
ZQI 2,5/5 YE **3713.8**	308	20
ZQI 2,5/6 YE **3714.8**	308	20
ZQI 2,5/7 YE **3715.8**	308	20
ZQI 2,5/8 YE **3716.8/**	308	10
ZQI 2,5/9 YE **3717.8**	308	10
ZQI 2,5/10 YE **3718.8**	308	10
ZQI 2,5/0.5 m/99 poles YE **3719.8**	308	1
ZAD 2.5/4/B YE **3706.0**	315	20
ZES 35/2 BG **3811.2**	275	50
ZTA 2,5 **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

ZSLN 2,5/3A





Protective earth terminal
3 connections

Tension-spring

55 x 5.1 x 36.5 (46.5)

	Qty.
ZSLN 2,5/3A GNYE **3602.2**	100

(2)

IEC	CSAus	CSA
2.5 | 20-12		
8 | 3		
A3 | V0		
0.5-4 | -		
0.5-4 | 0.5-2.5		
0.08-4		
10		

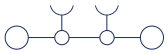
PA 6.6 | -40 to +120°C
1 | 2

	Page	Qty.
ZAP SR 3A/35 GN **3795.1**	280	50
ZAD 2.5/4/B YE **3706.0**	315	20
ZES 35/2 BG **3811.2**	275	50
ZTA 2,5 **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

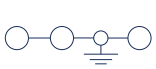
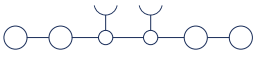
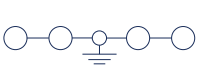
Feed-through terminals ZRK | Protective earth terminals ZSL

Tension-spring connection system

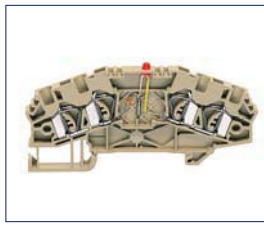
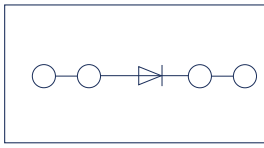
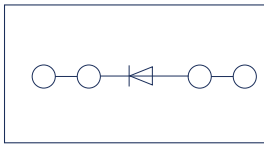
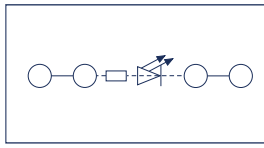
- Foot can be snapped on TS35 DIN rails
- Housing made from polyamide 6.6 UL 94-V0

	ZRK 2,5/2A	ZSL 2,5/2A	ZRK 2,5/3A
Connection diagram			
	Feed-through terminal 2 connections	Protective earth terminal 2 connections	Feed-through terminal 3 connections
Connection type	**Tension-spring**	**Tension-spring**	**Tension-spring**
Size (L x W x H) with TS 35 x 7.5 mm	59 x 5.1 x 39	59 x 5.1 x 39	71,3 x 5.1 x 39
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	ZRK 2,5/2A BG	ZSL 2,5/2A GNYE	ZRK 2,5/3A BG
Cat. no.	**3500.2** 100	**3510.2** 100	**3501.2** 100
Type colour	ZRK 2,5/2A BU		ZRK 2,5/3A BU
Cat. no.	**3500.5** 100		**3501.5** 100
Type colour	ZRK 2,5/2A OG		ZRK 2,5/3A OG
Cat. no.	**3500.3** 100		**3501.3** 100
Type colour			
Cat. no.			
Colours available	(2) (.5) (3) (.1) (.8) (.9)	(2)	(2) (.5) (3) (.1) (.8) (.9)
Ratings	**IEC CSAus CSA**	**IEC CSAus CSA**	**IEC CSAus CSA**
Rated voltage, V	800 600 600		800 600 600
Rated current, A	24 27 27		24 27 27
Rated wire cross-section, mm² | AWG	2.5 | 20-12	2.5 | 20-12	2.5 | 20-12
Rated impulse voltage, kV | Contamination degree	8 | 3	8 | 3	8 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V0	A3 | V0	A3 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.5-4 | -	0.5-4 | -	0.5-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5
Contact wire range, mm²	0.08-4	0.08-4	0.08-4
Stripping length, mm	10	10	10
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels | Test pick-off	2 | 2	0 | 2	2 | 2
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
End plate AP	ZAP 2,5/2A BG	ZAP 2,5/2A GN	ZAP 2,5/3A BG
Cat. no.	**3700.2** 280 50	**3700.1** 280 50	**3701.2** 280 50
Insulated cross-connector ZQI 2 poles	ZQI 2,5/2 YE		ZQI 2,5/2 YE
Cat. no.	**3710.8** 308 50		**3710.8** 308 50
Insulated cross-connector ZQI 3 poles	ZQI 2,5/3 YE		ZQI 2,5/3 YE
Cat. no.	**3711.8** 308 50		**3711.8** 308 50
Insulated cross-connector ZQI 4 poles	ZQI 2,5/4 YE		ZQI 2,5/4 YE
Cat. no.	**3712.8** 308 20		**3712.8** 308 20
Insulated cross-connector ZQI 5 poles	ZQI 2,5/5 YE		ZQI 2,5/5 YE
Cat. no.	**3713.8** 308 20		**3713.8** 308 20
Insulated cross-connector ZQI 6 poles	ZQI 2,5/6 YE		ZQI 2,5/6 YE
Cat. no.	**3714.8** 308 20		**3714.8** 308 20
Insulated cross-connector ZQI 7 poles	ZQI 2,5/7 YE		ZQI 2,5/7 YE
Cat. no.	**3715.8** 308 20		**3715.8** 308 20
Insulated cross-connector ZQI 8 poles	ZQI 2,5/8 YE		ZQI 2,5/8 YE
Cat. no.	**3716.8** 308 10		**3716.8** 308 10
Insulated cross-connector ZQI 9 poles	ZQI 2,5/9 YE		ZQI 2,5/9 YE
Cat. no.	**3717.8** 308 10		**3717.8** 308 10
Insulated cross-connector ZQI 10 poles	ZQI 2,5/10 YE		ZQI 2,5/10 YE
Cat. no.	**3718.8** 308 10		**3718.8** 308 10
Insulated cross-connector ZQI 99 poles	ZQI 2,5/0.5 m/99 poles YE		ZQI 2,5/0.5 m/99 poles YE
Cat. no.	**3719.8** 308 1		**3719.8** 308 1
Four-way cover ZAD	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE
Cat. no.	**3706.0** 315 20	**3706.0** 315 20	**3706.0** 315 20
End stop ZES	ZES 35 BG	ZES 35 BG	ZES 35 BG
Cat. no.	**3748.2** 275 50	**3748.2** 275 50	**3748.2** 275 50
Test adapter ZTA	ZTA 2,5	ZTA 2,5	ZTA 2,5
Cat. no.	**3740.2** 320 10	**3740.2** 320 10	**3740.2** 320 10
Screwdriver / Metal actuating tool BWMA	BWMA 1	BWMA 1	BWMA 1
Cat. no.	**3808.0** 328 1	**3808.0** 328 1	**3808.0** 328 1
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	**4600.7** 339 500	**4600.7** 339 500	**4600.7** 339 500

More accessories starting on page 264.

ZSL 2,5/3A	ZRK 2,5/4A	ZSL 2,5/4A	ZRK 2,5/2x2A	
				
Protective earth terminal 3 connections	Feed-through terminal 4 connections	Protective earth terminal 4 connections	Feed-through terminal 2 x 2 connections	
Tension-spring	**Tension-spring**	**Tension-spring**	**Tension-spring**	
71.3 x 5.1 x 39	83.6 x 5.1 x 39	83.6 x 5.1 x 39	83.6 x 5.1 x 39	
Qty.	**Qty.**	**Qty.**	**Qty.**	
ZSL 2,5/3A GNYE **3511.2** 100	ZRK 2,5/4A BG **3502.2** 100 ZRK 2,5/4A BU **3502.5** 100 ZRK 2,5/4A OG **3502.3** 100	ZSL 2,5/4A GNYE **3512.2** 100	ZRK 2,5/2x2A BG **3503.2** 100 ZRK 2,5/2x2A BU **3503.5** 100 ZRK 2,5/2x2A OG **3503.3** 100	
(2)	(2) (.5) (3) (.1)	(2)	(2) (.5) (3)	
IEC **CSAus** **CSA**	**IEC** **CSAus** **CSA**	**IEC** **CSAus** **CSA**	**IEC** **CSAus** **CSA**	
	800 600 600		800 600 600	
	24 27 27		24 27 27	
2.5 | 20-12	2.5 | 20-12	2.5 | 20-12	2.5 | 20-12	
8 | 3	8 | 3	8 | 3	8 | 3	
A3 | V0	A3 | V0	A3 | V0	A3 | V0	
0.5-4 | -	0.5-4 | -	0.5-4 | -	0.5-4 | -	
0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	
0.08-4	0.08-4	0.08-4	0.08-4	
10	10	10	10	
PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	
0 | 2	2 | 2	0 | 2	0 | 2	
Page **Qty.**	**Page** **Qty.**	**Page** **Qty.**	**Page** **Qty.**	
ZAP 2,5/3A GN **3701.1** 280 50	ZAP 2,5/4A BG **3702.2** 280 50	ZAP 2,5/4A GN **3702.1** 280 50	ZAP 2,5/4A BG **3702.2** 280 50	
	ZQI 2,5/2 YE **3710.8** 308 50			
	ZQI 2,5/3 YE **3711.8** 308 50			
	ZQI 2,5/4 YE **3712.8** 308 20			
	ZQI 2,5/5 YE **3713.8** 308 20			
	ZQI 2,5/6 YE **3714.8** 308 20			
	ZQI 2,5/7 YE **3715.8** 308 20			
	ZQI 2,5/8 YE **3716.8** 308 10			
	ZQI 2,5/9 YE **3717.8** 308 10			
	ZQI 2,5/10 YE **3718.8** 308 10			
	ZQI 2,5/0.5 m/99 poles YE **3719.8** 308 1			
ZAD 2.5/4/B YE **3706.0** 315 20	ZAD 2.5/4/B YE **3706.0** 315 20	ZAD 2.5/4/B YE **3706.0** 315 20	ZAD 2.5/4/B YE **3706.0** 315 20	
ZES 35 BG **3748.2** 275 50	ZES 35 BG **3748.2** 275 50	ZES 35 BG **3748.2** 275 50	ZES 35 BG **3748.2** 275 50	
ZTA 2,5 **3740.2** 320 10	ZTA 2,5 **3740.2** 320 10	ZTA 2,5 **3740.2** 320 10	ZTA 2,5 **3740.2** 320 10	
BWMA 1 **3808.0** 328 1	BWMA 1 **3808.0** 328 1	BWMA 1 **3808.0** 328 1	BWMA 1 **3808.0** 328 1	
PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500	

Feed-through terminals with electronic components ZRK

Tension-spring connection system	ZRK 2,5/2x2A/D1	ZRK 2,5/2x2A/D2	ZRK 2,5/2x2A/LED1
			
• Foot can be snapped on TS35 DIN rails • Housing made from polyamide 6.6 UL 94-V0			
Connection diagram			
	Diode terminal 2 x 2 connections	Diode terminal 2 x 2 connections	LED indicator terminal 2 x 2 connections
Connection type	**Tension-spring**	**Tension-spring**	**Tension-spring**
Size (L x W x H) with TS 35 x 7.5 mm	83.6 x 5.1 x 39	83.6 x 5.1 x 39	83.6 x 5.1 x 39
	Qty.	**Qty.**	**Qty.**
Type colour	ZRK 2,5/2x2A/D1 BG	ZRK 2,5/2x2A/D2 BG	ZRK 2,5/2x2A/LED1(RD)/24V DC BG
Cat. no.	**3504.2** 100	**3542.2** 100	**3505.2** 100
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available			

Ratings	**IEC**	**CSAus**	**CSA**	**IEC**	**CSAus**	**CSA**	**IEC**	**CSAus**	**CSA**
Rated voltage, V	800	600	600	800	600	600		24	
Rated current, A	24	27	27	24	27	27		< 5 mA	
Rated wire cross-section, mm² | AWG		2.5 | 20-12			2.5 | 20-12			2.5 | 20-12	
Rated impulse voltage, kV | Contamination degree		8 | 3			8 | 3			8 | 3	
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94		A3 | V0			A3 | V0			A3 | V0	
Connection data									
Single wire (solid) | stranded (stranded) mm²		0.5-4 | -			0.5-4 | -			0.5-4 | -	
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²		0.5-4 | 0.5-2.5			0.5-4 | 0.5-2.5			0.5-4 | 0.5-2.5	
Contact wire range, mm²		0.08-4			0.08-4			0.08-4	
Stripping length, mm		10			10			10	
Diode		1N4007			1N4007			red LED	
		Reverse voltage 1000V | Current 1A			Reverse voltage 1000V | Current 1A			Current via LED < 5 mA	
Features									
Material of insulated housing | Temperature range		PA 6.6 | -40 to +120°C			PA 6.6 | -40 to +120°C			PA 6.6 | -40 to +120°C	
Number of cross-connection channels | Test pick-off		1 | 2			1 | 2			1 | 2	

Accessories	**Page**	**Qty.**	**Page**	**Qty.**	**Page**	**Qty.**
End plate AP	ZAP 2,5/4A BG		ZAP 2,5/4A BG		ZAP 2,5/4A BG	
Cat. no.	**3702.2** 280	50	**3702.2** 280	50	**3702.2** 280	50
Four-way cover ZAD	ZAD 2.5/4/B YE		ZAD 2.5/4/B YE		ZAD 2.5/4/B YE	
Cat. no.	**3706.0** 315	20	**3706.0** 315	20	**3706.0** 315	20
End stop ZES	ZES 35 BG		ZES 35 BG		ZES 35 BG	
Cat. no.	**3748.2** 275	50	**3748.2** 275	50	**3748.2** 275	50
Test adapter ZTA	ZTA 2,5		ZTA 2,5		ZTA 2,5	
Cat. no.	**3740.2** 320	10	**3740.2** 320	10	**3740.2** 320	10
Screwdriver / Metal actuating tool BWMA	BWMA 1		BWMA 1		BWMA 1	
Cat. no.	**3808.0** 328	1	**3808.0** 328	1	**3808.0** 328	1
Quick marking PMC SB	PMC SB 5/50 WH		PMC SB 5/50 WH		PMC SB 5/50 WH	
Cat. no.	**4600.7** 339	500	**4600.7** 339	500	**4600.7** 339	500

More accessories starting on page 264.

ZRK 2,5/2x2A/LED2

LED indicator terminal
2 x 2 connections

Tension-spring

83.6 x 5.1 x 39

	Qty.
ZRK 2,5/2x2A/LED2(RD)/24V DC BG **3543.2**	100

IEC	CSAus	CSA
24		
< 5 mA		
2.5 | 20-12		
8 | 3		
A3 | V0		

0.5-4 | -		
0.5-4 | 0.5-2.5		
0.08-4		
10		
red LED		
Current via LED < 5 mA		

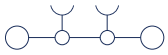
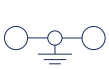
PA 6.6 | -40 to +120°C		
1 | 2		

	Page	Qty.
ZAP 2,5/4A BG **3702.2**	280	50
ZAD 2.5/4/B YE **3706.0**	315	20
ZES 35 BG **3748.2**	275	50
ZTA 2,5 **3740.2**	320	10
BWMA 1 **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

Feed-through terminals ZRK | Protective earth terminals ZSL

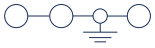
Tension-spring connection system

- Foot can be snapped on TS35 DIN rails
- Housing made from polyamide 6.6 UL 94-V0

	ZRK 4/2A	SL 4/2A	ZRK 4/3A
Connection diagram			
	Feed-through terminal 2 connections	Protective earth terminal 2 connections	Feed-through terminal 3 connections
Connection type	**Tension-spring**	**Tension-spring**	**Tension-spring**
Size (L x W x H) with TS 35 x 7.5 mm	64 x 6.1 x 42	64 x 6.1 x 42	78.5 x 6.1 x 42
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	ZRK 4/2A BG	ZSL 4/2A GNYE	ZRK 4/3A BG
Cat. no.	**3515.2** 100	**3525.2** 100	**3516.2** 100
Type colour	ZRK 4/2A BU		ZRK 4/3A BU
Cat. no.	**3515.5** 100		**3516.5** 100
Type colour	ZRK 4/2A OG		ZRK 4/3A OG
Cat. no.	**3515.3** 100		**3516.3** 100
Type colour			
Cat. no.			
Colours available	.2 .5 .3 .1 .9	.2	.2 .5 .3 .1
Ratings	**IEC CSAus CSA**	**IEC CSAus CSA**	**IEC CSAus CSA**
Rated voltage, V	800 600 600		800 600 600
Rated current, A	32 35 35		32 35 35
Rated wire cross-section, mm² | AWG	4 | 20-10	4 | 20-10	4 | 20-10
Rated impulse voltage, kV | Contamination degree	8 | 3	8 | 3	8 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A4 | V0	A4 | V0	A4 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.5-6 | -	0.5-6 | -	0.5-6 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.6-6 | 0.5-4	0.6-6 | 0.5-4	0.6-6 | 0.5-4
Contact wire range, mm²	0.08-6	0.08-6	0.08-6
Stripping length, mm	12	12	12
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels | Test pick-off	2 | 2	0 | 2	2 | 2
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
End plate AP **Cat. no.**	ZAP 4/2A BG **3703.2** 280 50	ZAP 4/2A GN **3703.1** 280 50	ZAP 4/3A BG **3704.2** 280 50
Insulated cross-connector ZQI 2 poles **Cat. no.**	ZQI 4/2 YE **3720.8** 308 50		ZQI 4/2 YE **3720.8** 308 50
Insulated cross-connector ZQI 3 poles **Cat. no.**	ZQI 4/3 YE **3721.8** 308 50		ZQI 4/3 YE **3721.8** 308 50
Insulated cross-connector ZQI 4 poles **Cat. no.**	ZQI 4/4 YE **3722.8** 308 20		ZQI 4/4 YE **3722.8** 308 20
Insulated cross-connector ZQI 5 poles **Cat. no.**	ZQI 4/5 YE **3723.8** 308 20		ZQI 4/5 YE **3723.8** 308 20
Insulated cross-connector ZQI 6 poles **Cat. no.**	ZQI 4/6 YE **3724.8** 308 20		ZQI 4/6 YE **3724.8** 308 20
Insulated cross-connector ZQI 7 poles **Cat. no.**	ZQI 4/7 YE **3725.8** 308 20		ZQI 4/7 YE **3725.8** 308 20
Insulated cross-connector ZQI 8 poles **Cat. no.**	ZQI 4/8 YE **3726.8** 308 10		ZQI 4/8 YE **3726.8** 308 10
Insulated cross-connector ZQI 9 poles **Cat. no.**	ZQI 4/9 YE **3727.8** 308 10		ZQI 4/9 YE **3727.8** 308 10
Insulated cross-connector ZQI 10 poles **Cat. no.**	ZQI 4/10 YE **3728.8** 308 10		ZQI 4/10 YE **3728.8** 308 10
Four-way cover ZAD **Cat. no.**	ZAD 4/4/B YE **3707.0** 315 20	ZAD 4/4/B YE **3707.0** 315 20	ZAD 4/4/B YE **3707.0** 315 20
End stop ZES **Cat. no.**	ZES 35 BG **3748.2** 275 50	ZES 35 BG **3748.2** 275 50	ZES 35 BG **3748.2** 275 50
Test adapter ZTA **Cat. no.**	ZTA 4 **3741.2** 320 10	ZTA 4 **3741.2** 320 10	ZTA 4 **3741.2** 320 10
Screwdriver / Metal actuating tool BWMA **Cat. no.**	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1
Quick marking PMC SB **Cat. no.**	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500

More accessories starting on page 264.

ZSL 4/3A



Protective earth terminal
3 connections

Tension-spring
78.5 x 6.1 x 42

	Qty.
ZSL 4/3A GNYE **3526.2**	100

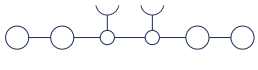
(2)

IEC	CSAus	CSA
4 | 20-10		
8 | 3		
A4 | V0		
0.5-6 | -		
0.6-6 | 0.5-4		
0.08-6		
12		

PA 6.6 | -40 to +120°C
0 | 2

	Page	Qty.
ZAP 4/3A GN **3704.1**	280	50
ZAD 4/4/B YE **3707.0**	315	20
ZES 35 BG **3748.2**	275	50
ZTA 4 **3741.2**	320	10
SDB 0.6x3.5 **1086.0**	422	1
PMC SB 6/50 WH **4702.7**	340	500

ZRK 4/4A



Feed-through terminal
4 connections

Tension-spring
93 x 6.1 x 42

	Qty.
ZRK 4/4A BG **3517.2**	100
ZRK 4/4A BU **3517.5**	100
ZRK 4/4A OG **3517.3**	100

(2) .5 (3) (.1) (.9)

IEC	CSAus	CSA
800	600	600
32	35	35
4 | 20-10		
8 | 3		
A4 | V0		
0.5-6 | -		
0.6-6 | 0.5-4		
0.08-6		
12		

PA 6.6 | -40 to +120°C
2 | 2

	Page	Qty.
ZAP 4/4A BG **3705.2**	280	50
ZQI 4/2 YE **3720.8**	308	50
ZQI 4/3 YE **3721.8**	308	50
ZQI 4/4 YE **3722.8**	308	20
ZQI 4/5 YE **3723.8**	308	20
ZQI 4/6 YE **3724.8**	308	20
ZQI 4/7 YE **3725.8**	308	20
ZQI 4/8 YE **3726.8**	308	10
ZQI 4/9 YE **3727.8**	308	10
ZQI 4/10 YE **3728.8**	308	10
ZAD 4/4/B YE **3707.0**	315	20
ZES 35 BG **3748.2**	275	50
ZTA 4 **3741.2**	320	10
SDB 0.6x3.5 **1086.0**	422	1
PMC SB 6/50 WH **4702.7**	340	500

ZSL 4/4A

Protective earth terminal
4 connections

Tension-spring
93 x 6.1 x 42

	Qty.
ZSL 4/4A GNYE **3527.2**	100

(2)

IEC	CSAus	CSA
4 | 20-10		
8 | 3		
A4 | V0		
0.5-6 | -		
0.6-6 | 0.5-4		
0.08-6		
12		

PA 6.6 | -40 to +120°C
0 | 2

	Page	Qty.
ZAP 4/4A GN **3705.1**	280	50
ZAD 4/4/B YE **3707.0**	315	20
ZES 35 BG **3748.2**	275	50
ZTA 4 **3741.2**	320	10
SDB 0.6x3.5 **1086.0**	422	1
PMC SB 6/50 WH **4702.7**	340	500

ZRK 4/2x2A

Feed-through terminal
2 x 2 connections

Tension-spring
93 x 6.1 x 42

	Qty.
ZRK 4/2x2A BG **3518.2**	100
ZRK 4/2x2A BU **3518.5**	100
ZRK 4/2x2A OG **3518.3**	100

(2) .5 (3)

IEC	CSAus	CSA
800	600	600
32	35	35
4 | 20-10		
8 | 3		
A4 | V0		
0.5-6 | -		
0.6-6 | 0.5-4		
0.08-6		
12		

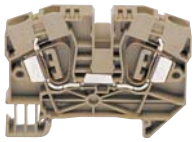
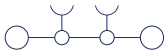
PA 6.6 | -40 to +120°C
0 | 2

	Page	Qty.
ZAP 4/4A BG **3705.2**	280	50
ZAD 4/4/B YE **3707.0**	315	20
ZES 35 BG **3748.2**	275	50
ZTA 4 **3741.2**	320	10
SDB 0.6x3.5 **1086.0**	422	1
PMC SB 6/50 WH **4702.7**	340	500

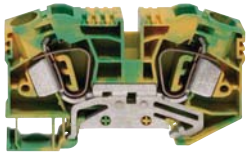
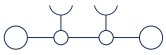
Feed-through terminals ZRK | Protective earth terminals ZSL

Tension-spring connection system

- Foot can be snapped on TS35 DIN rails
- Housing made from polyamide 6.6 UL 94-V0

	ZRK 6/2A	ZSL 6/2A	ZRK 10/2A
			
Connection diagram			
	Feed-through terminal 2 connections	Protective earth terminal 2 connections	Feed-through terminal 2 connections
Connection type	**Tension-spring**	**Tension-spring**	**Tension-spring**
Size (L x W x H) with TS 35 x 7.5 mm	65 x 8.1 x 47.5	65 x 8.1 x 47.5	73.5 x 10.1 x 50,5
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	ZRK 6/2A BG	ZSL 6/2A GNYE	ZRK 10/2A BG
Cat. no.	**3581.2** 100	**3589.2** 100	**3597.2** 50
Type colour	ZRK 6/2A BU		ZRK 10/2A BU
Cat. no.	**3581.5** 100		**3597.5** 50
Type colour	ZRK 6/2A OG		ZRK 10/2A OG
Cat. no.	**3581.3** 100		**3597.3** 50
Type colour			
Cat. no.			
Colours available	(2) (.5) (3) (.1) (9)	(2)	(2) (.5) (3) (.1)
Ratings	**IEC / CSAus / CSA**	**IEC / CSAus / CSA**	**IEC / CSAus / CSA**
Rated voltage, V	1000 / 600 / 600		1000 / 500 / 500
Rated current, A	41 / 50 / 50		57 / 55 / 55
Rated wire cross-section, mm² | AWG	6 | 22-8	6 | 22-8	10 | 16-6
Rated impulse voltage, kV | Contamination degree	8 | 3	8 | 3	8 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A5 | V0	A5 | V0	B6 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.5-10 | -	0.5-10 | -	1,5-16 | 1,5-16
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.5-10 | 0.5-6	0.5-10 | 0.5-6	1,5-10 | 1,5-10
Contact wire range, mm²	0.5-10	0.5-10	1,5-16
Stripping length, mm	13	13	18
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels | Test pick-off	1 | 2	0 | 2	2 | 2
Accessories	**Page / Qty.**	**Page / Qty.**	**Page / Qty.**
End plate AP **Cat. no.**	ZAP 6/2A BG **3760.2** 281 / 20	ZAP 6/2 GN **3760.1** 281 / 20	ZAP 10/2A BG **3788.2** 281 / 20
Insulated cross-connector ZQI 2 poles **Cat. no.**	ZQI 6/2 YE **3763.8** 309 / 50		ZQI 10/2 YE **3789.8** 309 / 20
Insulated cross-connector ZQI 3 poles **Cat. no.**	ZQI 6/3 YE **3764.8** 309 / 50		
Insulated cross-connector ZQI 4 poles **Cat. no.**	ZQI 6/4 YE **3765.8** 309 / 20		
Insulated cross-connector ZQI 5 poles **Cat. no.**	ZQI 6/5 YE **3766.8** 309 / 20		
Insulated cross-connector ZQI 6 poles **Cat. no.**	ZQI 6/6 YE **3767.8** 309 / 20		
Insulated cross-connector ZQI 7 poles **Cat. no.**	ZQI 6/7 YE **3768.8** 309 / 20		
Insulated cross-connector ZQI 8 poles **Cat. no.**	ZQI 6/8 YE **3769.8** 309 / 10		
Insulated cross-connector ZQI 9 poles **Cat. no.**	ZQI 6/9 YE **3770.8** 309 / 10		
Insulated cross-connector ZQI 10 poles **Cat. no.**	ZQI 6/10 YE **3771.8** 309 / 10		
Four-way cover ZAD **Cat. no.**	ZAD 6/4/B YE **3708.0** 315 / 20	ZAD 6/4/B YE **3708.0** 315 / 20	ZAD 10/4/B YE **3709.0** 315 / 20
End stop ZES **Cat. no.**	ZES 35 BG **3748.2** 275 / 50	ZES 35 BG **3748.2** 275 / 50	ZES 35 BG **3748.2** 275 / 50
Test adapter ZTA **Cat. no.**	ZTA 6 **3772.2** 321 / 10	ZTA 6 **3772.2** 321 / 10	ZTA 10 **3790.2** 321 / 10
Screwdriver / Metal actuating tool BWMA **Cat. no.**	SDB 0,8x4,0 **1087.0** 422 / 1	SDB 0,8x4,0 **1087.0** 422 / 1	SDB 0,8x4,0 **1087.0** 422 / 1
Quick marking PMC SB **Cat. no.**	PMC SB 8/40 WH **9323.7** 342 / 400	PMC SB 8/40 WH **9323.7** 342 / 400	PMC SB 8/40 WH **9323.7** 342 / 400

More accessories starting on page 264.

ZSL 10/2A	ZRK 16/2A	ZSL 16/2A		
				
				
Protective earth terminal 2 connections	Feed-through terminal 2 connections	Protective earth terminal 2 connections		
Tension-spring	**Tension-spring**	**Tension-spring**		
73.5 x 10.1 x 50.5	81.5 x 12.1 x 51.5	81.5 x 12.1 x 51.5		

	Qty.		Qty.		Qty.		
ZSL 10/2A GNYE **3598.2**	50	ZRK 16/2A BG **3636.2**	50	ZSL 16/2A GNYE **3637.2**	50		
		ZRK 16/2A BU **3636.5**	50				
		ZRK 16/2A OG **3636.3**	50				

IEC	CSAus	CSA	IEC	CSAus	CSA	IEC	CSAus	CSA		
			1000	1000	1000					
			76	65	65					
10 | 16-6			16 | 14-4			16 | 14-4				
8 | 3			8 | 3			8 | 3				
B6 | V0			A7 | V0			A7 | V0				
1.5-16 | 1.5-16			1.5-16 | 1.5-25			1.5-16 | 1.5-25				
1.5-10 | 1.5-10			1.5-16 | 1.5-16			1.5-16 | 1.5-16				
1.5-16			1.5-25			1.,5-25				
18			18			18				
PA 6.6 | -40 to +120°C			PA 6.6 | -40 to +120°C			PA 6.6 | -40 to +120°C				
0 | 2			2 | 2			0 | 2				

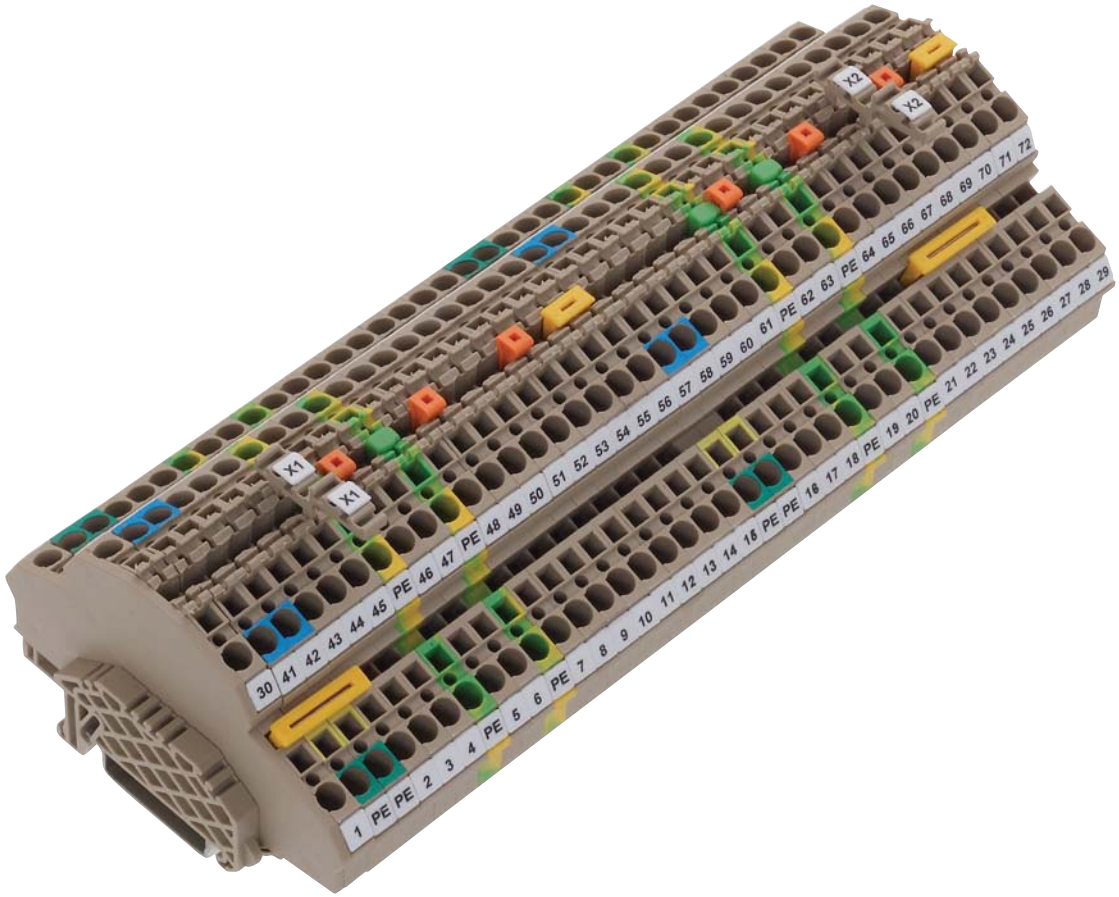
	Page	Qty.		Page	Qty.		Page	Qty.		
ZAP 10/2A GN **3788.1**	281	20	ZAP 16/2A BG **3799.2**	281	20	ZAP 16/2A GN **3799.1**	281	20		
			ZQI 16/2 YE **3800.8**	309	20					
ZAD 10/4/B YE **3709.0**	315	20	ZAD 16/4/B YE **3801.0**	315	20	ZAD 16/4/B YE **3801.0**	315	20		
ZES 35 BG **3748.2**	275	50	ZES 35 BG **3748.2**	275	50	ZES 35 BG **3748.2**	275	50		
ZTA 10 **3790.2**	321	10	ZTA 16 **3810.2**	321	10	ZTA 16 **3810.2**	321	10		
SDB 0,8x4,0 **1087.0**	422	1	SDB 0,8x4,0 **1087.0**	422	1	SDB 0,8x4,0 **1087.0**	422	1		
PMC SB 8/40 WH **9323.7**	342	400	PMC SB 8/40 WH **9323.7**	342	400	PMC SB 8/40 WH **9323.7**	342	400		

Double-level terminal blocks ZRKD 2,5 | Double-level protective earth terminal ZSLD 2,5

With a width of just 5 mm, the new **ZRKD** series is available in thirteen versions and connects with stranded or solid wires up to 24 mm² with a rated current of up to 24 A. Solid and stranded wires with wire-end ferrules can be inserted into the connection system with a tool or standard screwdriver. Inserting the tool opens the tension spring for easy conductor insertion. When closed, the conductor is securely clamped against the internal busbar.

The PE foot from **CONTA-CLIP** that contacts the PE potential to the DIN rail is designed to contact on both sides. This means that more material is required; however this offers more safety in the area around the protective earth contact.

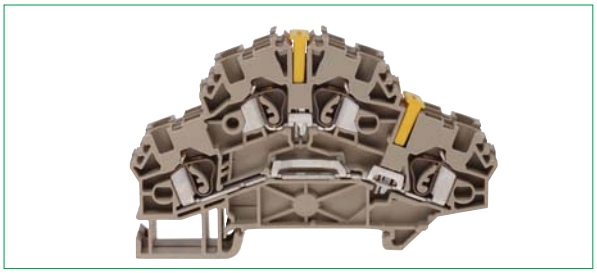
In all the **ZSL** series, the foot construction and busbar are made of a single piece of copper. This solid, contiguous construction guarantees low contact resistance as well as the high security of the internal-spring PE contact foot.



The features in detail

Cross-connection system

The upper and lower levels can be cross-connected using the **ZQI 2,5/...** standard cross-connections. The **ZQI** insulated cross-connections have a pluggable design and are available with from 2 to 10 poles. They cross connect up to the rated current of the relevant **ZRKD** terminals.

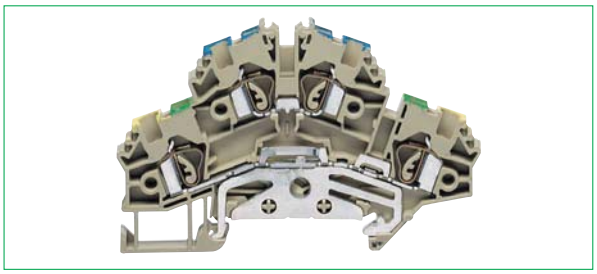


Vertical connection ZVQI

The upper and lower levels can be connected to each other using the **ZVQI** vertical cross-connector.

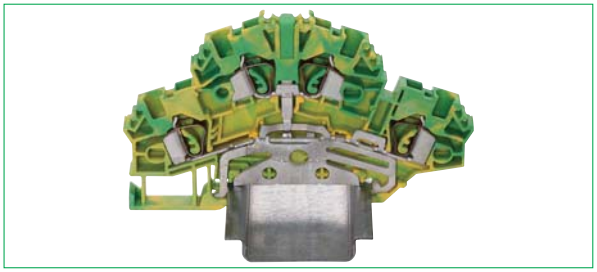
Colour coding

The upper and lower levels can be supplied with colour splash to indicate /N blue and /PE Green/Yellow (for example, **ZRKD 2,5 N-PE**).



Connecting the PE foot onto the DIN rail

As with all **CONTA-CLIP** PE terminals, the **ZSLD** terminals also implement a two-sided contact with the DIN rail. In all the **ZRK** series, the foot construction and busbar are made of a single piece of copper. This solid, contiguous construction guarantees low contact resistance as well as the high security of the internal-spring PE contact foot.

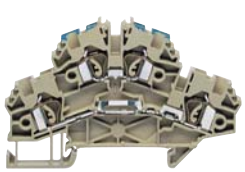
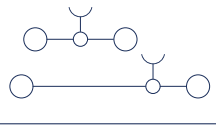
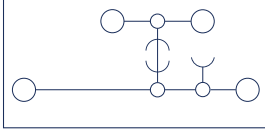
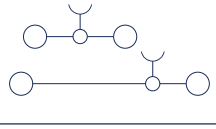


Double-level terminal blocks ZRKD | Double-level protective earth terminal ZSLD

Tension-spring connection system

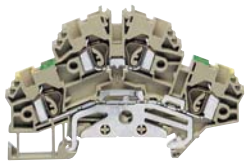
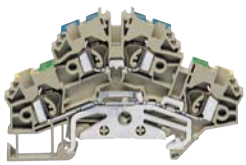
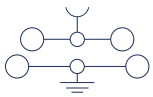
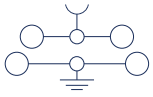
- Foot can be snapped on TS35 DIN rails
- Housing made from polyamide 6.6 UL 94-V0

Connection diagram

	ZRKD 2,5	ZRKD 2,5 SV	ZRKD 2,5 N-DU
			
			
	Feed-through terminal 2 x 2 connections	Feed-through terminal 4 connections	Feed-through terminal 2 x 2 connections
Connection type	**Tension-spring**	**Tension-spring**	**Tension-spring**
Size (L x W x H) with TS 35 x 7.5 mm	83.6 x 5.1 x 53	83.6 x 5.1 x 53	83.6 x 5.1 x 53
Size (L x W x H with labelling adapter) with TS 35 x 7.5 mm	83.6 x 5.1 x 64	83.6 x 5.1 x 64	83.6 x 5.1 x 64
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	ZRKD 2,5 BG	ZRKD 2,5/SV BG	ZRKD 2,5/N/DU
Cat. no.	**3562.2** 100	**3563.2** 100	**3564.2** 100
Type colour	ZRKD 2,5 BU	ZRKD 2,5/SV BU	
Cat. no.	**3562.5** 100	**3563.5** 100	
Type colour with labelling adapter	ZRKD 2,5/ZBA BG	ZRKD 2,5/SV/ZBA BG	ZRKD 2,5/N/DU/ZBA
Cat. no.	**3575.2** 100	**3576.2** 100	**3577.2** 100
Type colour with labelling adapter	ZRKD 2,5/ZBA BU	ZRKD 2,5/SV/ZBA BU	
Cat. no.	**3575.5** 100	**3576.5** 100	
Colours available	(2) (.5) (3) (.1) (8) (9)	(2) (.5) (3)	(2)
Ratings	**IEC CSAus CSA**	**IEC CSAus CSA**	**IEC CSAus CSA**
Rated voltage, V	500 300 300	500 300 300	500 300 300
Rated current, A	24 10 10	24 10 10	24 10 10
Rated wire cross-section, mm² | AWG	2.5 | 20-12	2.5 | 20-12	2.5 | 20-12
Rated impulse voltage, kV | Contamination degree	6 | 3	6 | 3	6 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V0	A3 | V0	A3 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.5-4 | -	0.5-4 | -	0.5-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5
Contact wire range, mm²	0.08-4	0.08-4	0.08-4
Stripping length, mm	10	10	10
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels | Test pick-off	2 | 4	1 | 4	2 | 4

Accessories		**Page**	**Qty.**		**Page**	**Qty.**		**Page**	**Qty.**
End plate AP	ZAPD 2,5 BG			ZAPD 2,5 BG			ZAPD 2,5 BG		
Cat. no.	**3756.2**	281	20	**3756.2**	281	20	**3756.2**	281	20
Insulated cross-connector ZQI 2 poles	ZQI 2,5/2 YE			ZQI 2,5/2 YE			ZQI 2,5/2 YE		
Cat. no.	**3710.8**	308	50	**3710.8**	308	50	**3710.8**	308	50
Insulated cross-connector ZQI 3 poles	ZQI 2,5/3 YE			ZQI 2,5/3 YE			ZQI 2,5/3 YE		
Cat. no.	**3711.8**	308	50	**3711.8**	308	50	**3711.8**	308	50
Insulated cross-connector ZQI 4 poles	ZQI 2,5/4 YE			ZQI 2,5/4 YE			ZQI 2,5/4 YE		
Cat. no.	**3712.8**	308	20	**3712.8**	308	20	**3712.8**	308	20
Insulated cross-connector ZQI 5 poles	ZQI 2,5/5 YE			ZQI 2,5/5 YE			ZQI 2,5/5 YE		
Cat. no.	**3713.8**	308	20	**3713.8**	308	20	**3713.8**	308	20
Insulated cross-connector ZQI 6 poles	ZQI 2,5/6 YE			ZQI 2,5/6 YE			ZQI 2,5/6 YE		
Cat. no.	**3714.8**	308	20	**3714.8**	308	20	**3714.8**	308	20
Insulated cross-connector ZQI 7 poles	ZQI 2,5/7 YE			ZQI 2,5/7 YE			ZQI 2,5/7 YE		
Cat. no.	**3715.8**	308	20	**3715.8**	308	20	**3715.8**	308	20
Insulated cross-connector ZQI 8 poles	ZQI 2,5/8 YE			ZQI 2,5/8 YE			ZQI 2,5/8 YE		
Cat. no.	**3716.8**	308	10	**3716.8**	308	10	**3716.8**	308	10
Insulated cross-connector ZQI 9 poles	ZQI 2,5/9 YE			ZQI 2,5/9 YE			ZQI 2,5/9 YE		
Cat. no.	**3717.8**	308	10	**3717.8**	308	10	**3717.8**	308	10
Insulated cross-connector ZQI 10 poles	ZQI 2,5/10 YE			ZQI 2,5/10 YE			ZQI 2,5/10 YE		
Cat. no.	**3718.8**	308	10	**3718.8**	308	10	**3718.8**	308	10
Insulated cross-connector ZQI 99 poles	ZQI 2,5/0.5 m/99 poles YE			ZQI 2,5/0.5 m/99 poles YE			ZQI 2,5/0.5 m/99 poles YE		
Cat. no.	**3719.8**	308	1	**3719.8**	308	1	**3719.8**	308	1
Four-way cover ZAD	ZAD 2.5/4/B YE			ZAD 2.5/4/B YE			ZAD 2.5/4/B YE		
Cat. no.	**3706.0**	315	20	**3706.0**	315	20	**3706.0**	315	20
labelling adapter ZBA	ZBA1 BG			ZBA1 BG			ZBA1 BG		
Cat. no.	**3745.2**	314	20	**3745.2**	314	20	**3745.2**	314	20
End stop ZES	ZES 35 BG			ZES 35 BG			ZES 35 BG		
Cat. no.	**3748.2**	275	50	**3748.2**	275	50	**3748.2**	275	50
Test adapter ZTA	ZTA 2,5			ZTA 2,5			ZTA 2,5		
Cat. no.	**3740.2**	320	10	**3740.2**	320	10	**3740.2**	320	10
Screwdriver / Metal actuating tool BWMA	BWMA 1 (0.5x3.5mm)			BWMA 1 (0.5x3.5mm)			BWMA 1 (0.5x3.5mm)		
Cat. no.	**3808.0**	328	1	**3808.0**	328	1	**3808.0**	328	1
Quick marking PMC SB	PMC SB 5/50 WH			PMC SB 5/50 WH			PMC SB 5/50 WH		
Cat. no.	**4600.7**	339	500	**4600.7**	339	500	**4600.7**	339	500

More accessories starting on page 264.

ZRKD 2,5 DU-PE	ZRKD 2,5 N-PE	ZSLD 2,5	ZBA 1	
				
				
Feed-through/PE terminal, 2 x 2 connections	Feed-through/PE terminal, 2 x 2 connections	Protective earth terminal 4 connections	labelling adapter for ZRKD 2,5	
Tension-spring	**Tension-spring**	**Tension-spring**		
83.6 x 5.1 x 53	83.6 x 5.1 x 53	83.6 x 5.1 x 53	22 x 5 x 11	
83.6 x 5.1 x 64	83.6 x 5.1 x 64	83.6 x 5.1 x 64		
Qty.	**Qty.**	**Qty.**	**Qty.**	
ZRKD 2,5/DU/PE **3565.2** 100	ZRKD 2,5/N/PE **3566.2** 100	ZSLD 2,5 GNYE **3567.2** 100	ZBA 1 BG **3745.2** 20	
ZRKD 2,5/DU/PE/ZBA **3578.2** 100	ZRKD 2,5/N/PE/ZBA **3579.2** 100	ZSLD 2,5/ZBA GNYE **3580.2** 100		
.2	.2	.2		
IEC 500	**IEC** 500	**IEC** 500		
CSAus 300	**CSAus** 300	**CSAus** 300		
CSA 300	**CSA** 300	**CSA** 300		
24	24	24		
10	10	10		
10	10	10		
2.5 | 20-12	2.5 | 20-12	2.5 | 20-12		
6 | 3	6 | 3	6 | 3		
A3 | V0	A3 | V0	A3 | V0		
0.5-4 | -	0.5-4 | -	0.5-4 | -		
0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5		
0.08-4	0.08-4	0.08-4		
10	10	10		
PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C		
1 | 4	1 | 4	0 | 4		

	Page	Qty.
ZAPD 2,5 BG **3756.2**	281	20
ZQI 2,5/2 YE **3710.8**	308	50
ZQI 2,5/3 YE **3711.8**	308	50
ZQI 2,5/4 YE **3712.8**	308	20
ZQI 2,5/5 YE **3713.8**	308	20
ZQI 2,5/6 YE **3714.8**	308	20
ZQI 2,5/7 YE **3715.8**	308	20
ZQI 2,5/8 YE **3716.8**	308	10
ZQI 2,5/9 YE **3717.8**	308	10
ZQI 2,5/10 YE **3718.8**	308	10
ZQI 2,5/0.5 m/99 poles YE **3719.8**	308	1
ZAD 2.5/4/B YE **3706.0**	315	20
ZBA1 BG **3745.2**	314	20
ZES 35 BG **3748.2**	275	50
ZTA 2,5 **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

	Page	Qty.
ZAPD 2,5 BG **3756.2**	281	20
ZQI 2,5/2 YE **3710.8**	308	50
ZQI 2,5/3 YE **3711.8**	308	50
ZQI 2,5/4 YE **3712.8**	308	20
ZQI 2,5/5 YE **3713.8**	308	20
ZQI 2,5/6 YE **3714.8**	308	20
ZQI 2,5/7 YE **3715.8**	308	20
ZQI 2,5/8 YE **3716.8**	308	10
ZQI 2,5/9 YE **3717.8**	308	10
ZQI 2,5/10 YE **3718.8**	308	10
ZQI 2,5/0.5 m/99 poles YE **3719.8**	308	1
ZAD 2.5/4/B YE **3706.0**	315	20
ZBA1 BG **3745.2**	314	20
ZES 35 BG **3748.2**	275	50
ZTA 2,5 **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

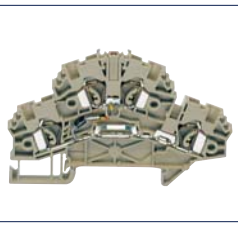
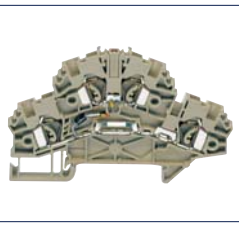
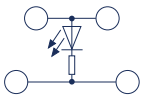
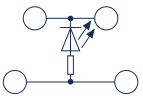
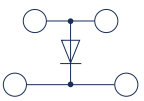
	Page	Qty.
ZAPD 2,5 GN **3756.1**	281	20
ZAD 2.5/4/B YE **3706.0**	315	20
ZBA1 BG **3745.2**	314	20
ZES 35 BG **3748.2**	275	50
ZTA 2,5 **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

Double-level terminal blocks with electronic components ZRKD

Tension-spring connection system

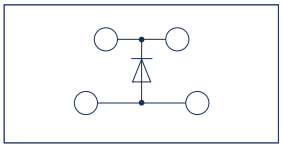
- Foot can be snapped on TS35 DIN rails
- Housing made from polyamide 6.6 UL 94-V0

Connection diagram

	ZRKD 2,5/LED1	ZRKD 2,5/LED2	ZRKD 2,5/D1
			
			
	Feed-through terminal 2x2 connections	Feed-through terminal 2x2 connections	Feed-through terminal 2x2 connections
Connection type	**Tension-spring**	**Tension-spring**	**Tension-spring**
Size (L x W x H) with TS 35 x 7.5 mm	83.6 x 5.1 x 53	83.6 x 5.1 x 53	83.6 x 5.1 x 53
Size (L x W x H with labelling adapter) with TS 35 x 7.5 mm	83.6 x 5.1 x 64	83.6 x 5.1 x 64	83.6 x 5.1 x 64
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	ZRKD 2,5/LED1(RD)/24V DC BG	ZRKD 2,5/LED2(RD)/24V DC BG	ZRKD 2,5/D1 BG
Cat. no.	**3568.2** 100	**3569.2** 100	**3570.2** 100
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available	(2)	(2)	(2)
Ratings	**IEC CSAus CSA**	**IEC CSAus CSA**	**IEC CSAus CSA**
Rated voltage, V	24	24	
Rated current, A	< 5 mA	< 5 mA	
Rated wire cross-section, mm² | AWG	2.5 | 20-12	2.5 | 20-12	2.5 | 20-12
Rated impulse voltage, kV | Contamination degree	6 | 3	6 | 3	6 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V0	A3 | V0	A3 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.5-4 | -	0.5-4 | -	0.5-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5
Contact wire range, mm²	0.08 - 4	0.08 - 4	0.08 - 4
Stripping length, mm	10	10	10
Diode			Soldered diode 1N4007 Reverse voltage 1000V | Current 1A
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels | Test pick-off	1 | 0	1 | 0	1 | 0
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
End plate AP **Cat. no.**	ZAPD 2,5 BG **3756.2** 281 20	ZAPD 2,5 BG **3756.2** 281 20	ZAPD 2,5 BG **3756.2** 281 20
Insulated cross-connector ZQI 2 poles **Cat. no.**	ZQI 2,5/2 YE **3710.8** 308 50	ZQI 2,5/2 YE **3710.8** 308 50	ZQI 2,5/2 YE **3710.8** 308 50
Insulated cross-connector ZQI 3 poles **Cat. no.**	ZQI 2,5/3 YE **3711.8** 308 50	ZQI 2,5/3 YE **3711.8** 308 50	ZQI 2,5/3 YE **3711.8** 308 50
Insulated cross-connector ZQI 4 poles **Cat. no.**	ZQI 2,5/4 YE **3712.8** 308 20	ZQI 2,5/4 YE **3712.8** 308 20	ZQI 2,5/4 YE **3712.8** 308 20
Insulated cross-connector ZQI 5 poles **Cat. no.**	ZQI 2,5/5 YE **3713.8** 308 20	ZQI 2,5/5 YE **3713.8** 308 20	ZQI 2,5/5 YE **3713.8** 308 20
Insulated cross-connector ZQI 6 poles **Cat. no.**	ZQI 2,5/6 YE **3714.8** 308 20	ZQI 2,5/6 YE **3714.8** 308 20	ZQI 2,5/6 YE **3714.8** 308 20
Insulated cross-connector ZQI 7 poles **Cat. no.**	ZQI 2,5/7 YE **3715.8** 308 20	ZQI 2,5/7 YE **3715.8** 308 20	ZQI 2,5/7 YE **3715.8** 308 20
Insulated cross-connector ZQI 8 poles **Cat. no.**	ZQI 2,5/8 YE **3716.8** 308 10	ZQI 2,5/8 YE **3716.8** 308 10	ZQI 2,5/8 YE **3716.8** 308 10
Insulated cross-connector ZQI 9 poles **Cat. no.**	ZQI 2,5/9 YE **3717.8** 308 10	ZQI 2,5/9 YE **3717.8** 308 10	ZQI 2,5/9 YE **3717.8** 308 10
Insulated cross-connector ZQI 10 poles **Cat. no.**	ZQI 2,5/10 YE **3718.8** 308 10	ZQI 2,5/10 YE **3718.8** 308 10	ZQI 2,5/10 YE **3718.8** 308 10
Insulated cross-connector ZQI 99 poles **Cat. no.**	ZQI 2,5/0.5 m/99 poles YE **3719.8** 308 1	ZQI 2,5/0.5 m/99 poles YE **3719.8** 308 1	ZQI 2,5/0.5 m/99 poles YE **3719.8** 308 1
Four-way cover ZAD **Cat. no.**	ZAD 2.5/4/B YE **3706.0** 315 20	ZAD 2.5/4/B YE **3706.0** 315 20	ZAD 2.5/4/B YE **3706.0** 315 20
labelling adapter ZBA **Cat. no.**			ZBA1 BG **3745.2** 314
End stop ZES **Cat. no.**	ZES 35 BG **3748.2** 275 50	ZES 35 BG **3748.2** 275 50	ZES 35 BG **3748.2** 275 50
Test adapter ZTA **Cat. no.**	ZTA 2,5 **3740.2** 320 10	ZTA 2,5 **3740.2** 320 10	ZTA 2,5 **3740.2** 320 10
Screwdriver / Metal actuating tool BWMA **Cat. no.**	BWMA 1 (0.5x3.5mm) **3808.0** 328 1	BWMA 1 (0.5x3.5mm) **3808.0** 328 1	BWMA 1 (0.5x3.5mm) **3808.0** 328 1
Quick marking PMC SB **Cat. no.**	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500

More accessories starting on page 264.

ZRKD 2,5/D2



Feed-through terminal
2 x 2 connections

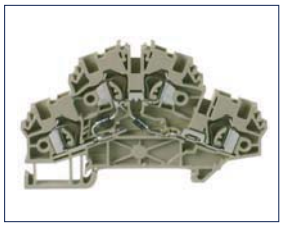
Tension-spring

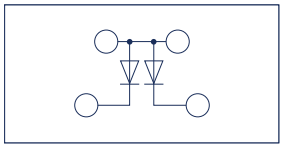
83.6 x 5.1 x 53

83.6 x 5.1 x 64

	Qty.
ZRKD 2,5/D2 BG **3571.2**	100

ZRKD 2,5/D3





Feed-through terminal
2 x 2 connections

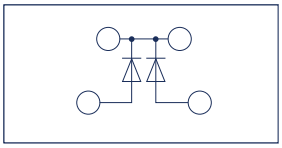
Tension-spring

83.6 x 5.1 x 53

83.6 x 5.1 x 64

	Qty.
ZRKD 2,5/D3 BG **3572.2**	100

ZRKD 2,5/D4



Feed-through terminal
2 x 2 connections

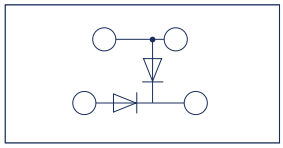
Tension-spring

83.6 x 5.1 x 53

83.6 x 5.1 x 64

	Qty.
ZRKD 2,5/D4 BG **3573.2**	100

ZRKD 2,5/D5



Feed-through terminal
2 x 2 connections

Tension-spring

83.6 x 5.1 x 53

83.6 x 5.1 x 64

	Qty.
ZRKD 2,5/D5 BG **3574.2**	100

(.2)

IEC	CSAus	CSA
2.5 | 20-12		
6 | 3		
A3 | V0		
0.5-4 | -		
0.5-4 | 0.5-2.5		
0.08 - 4		
10		
Soldered diode 1N4007		
Reverse voltage 1000V | Current 1A		
PA 6.6 | -40 to +120°C		
1 | 0		

	Page	Qty.
ZAPD 2,5 BG **3756.2**	281	20
ZQI 2,5/2 YE **3710.8**	308	50
ZQI 2,5/3 YE **3711.8**	308	50
ZQI 2,5/4 YE **3712.8**	308	20
ZQI 2,5/5 YE **3713.8**	308	20
ZQI 2,5/6 YE **3714.8**	308	20
ZQI 2,5/7 YE **3715.8**	308	20
ZQI 2,5/8 YE **3716.8**	308	10
ZQI 2,5/9 YE **3717.8**	308	10
ZQI 2,5/10 YE **3718.8**	308	10
ZQI 2,5/0.5 m/99 poles YE **3719.8**	308	1
ZAD 2.5/4/B YE **3706.0**	315	20
ZBA1 BG **3745.2**	314	20
ZES 35 BG **3748.2**	275	50
ZTA 2,5 **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

(.2)

IEC	CSAus	CSA
2.5 | 20-12		
6 | 3		
A3 | V0		
0.5-4 | -		
0.5-4 | 0.5-2.5		
0.08 - 4		
10		
Soldered diode 1N4007		
Reverse voltage 1000V | Current 1A		
PA 6.6 | -40 to +120°C		
1 | 0		

	Page	Qty.
ZAPD 2,5 BG **3756.2**	281	20
ZQI 2,5/2 YE **3710.8**	308	50
ZQI 2,5/3 YE **3711.8**	308	50
ZQI 2,5/4 YE **3712.8**	308	20
ZQI 2,5/5 YE **3713.8**	308	20
ZQI 2,5/6 YE **3714.8**	308	20
ZQI 2,5/7 YE **3715.8**	308	20
ZQI 2,5/8 YE **3716.8**	308	10
ZQI 2,5/9 YE **3717.8**	308	10
ZQI 2,5/10 YE **3718.8**	308	10
ZQI 2,5/0.5 m/99 poles YE **3719.8**	308	1
ZAD 2.5/4/B YE **3706.0**	315	20
ZBA1 BG **3745.2**	314	20
ZES 35 BG **3748.2**	275	50
ZTA 2,5 **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

(.2)

IEC	CSAus	CSA
2.5 | 20-12		
6 | 3		
A3 | V0		
0.5-4 | -		
0.5-4 | 0.5-2.5		
0.08 - 4		
10		
Soldered diode 1N4007		
Reverse voltage 1000V | Current 1A		
PA 6.6 | -40 to +120°C		
1 | 0		

	Page	Qty.
ZAPD 2,5 BG **3756.2**	281	20
ZQI 2,5/2 YE **3710.8**	308	50
ZQI 2,5/3 YE **3711.8**	308	50
ZQI 2,5/4 YE **3712.8**	308	20
ZQI 2,5/5 YE **3713.8**	308	20
ZQI 2,5/6 YE **3714.8**	308	20
ZQI 2,5/7 YE **3715.8**	308	20
ZQI 2,5/8 YE **3716.8**	308	10
ZQI 2,5/9 YE **3717.8**	308	10
ZQI 2,5/10 YE **3718.8**	308	10
ZQI 2,5/0.5 m/99 poles YE **3719.8**	308	1
ZAD 2.5/4/B YE **3706.0**	315	20
ZBA1 BG **3745.2**	314	20
ZES 35 BG **3748.2**	275	50
ZTA 2,5 **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

(.2)

IEC	CSAus	CSA
2.5 | 20-12		
6 | 3		
A3 | V0		
0.5-4 | -		
0.5-4 | 0.5-2.5		
0.08 - 4		
10		
Soldered diode 1N4007		
Reverse voltage 1000V | Current 1A		
PA 6.6 | -40 to +120°C		
1 | 0		

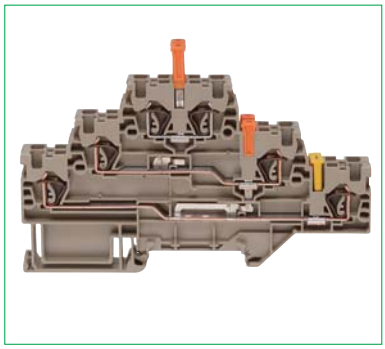
	Page	Qty.
ZAPD 2,5 BG **3756.2**	281	20
ZQI 2,5/2 YE **3710.8**	308	50
ZQI 2,5/3 YE **3711.8**	308	50
ZQI 2,5/4 YE **3712.8**	308	20
ZQI 2,5/5 YE **3713.8**	308	20
ZQI 2,5/6 YE **3714.8**	308	20
ZQI 2,5/7 YE **3715.8**	308	20
ZQI 2,5/8 YE **3716.8**	308	10
ZQI 2,5/9 YE **3717.8**	308	10
ZQI 2,5/10 YE **3718.8**	308	10
ZQI 2,5/0.5 m/99 poles YE **3719.8**	308	1
ZAD 2.5/4/B YE **3706.0**	315	20
ZBA1 BG **3745.2**	314	20
ZES 35 BG **3748.2**	275	50
ZTA 2,5 **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

Three-level terminal blocks ZIKD

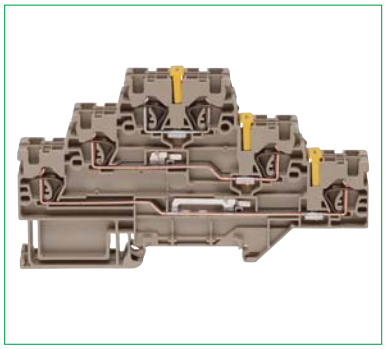
Three-level terminal blocks ZIKD 2,5

The **ZIKD 2,5** terminal blocks have a width of 5 mm and are available in a variety of designs. They have three levels with six connection points and can handle solid or stranded wires up to 2.5 mm² with a rated current up to 24 amps. The lower level is designed as a feed-through or PE connection. All levels can be cross-connected to neighbouring terminal blocks. You can also use a vertical connector to bridge them within a terminal block.

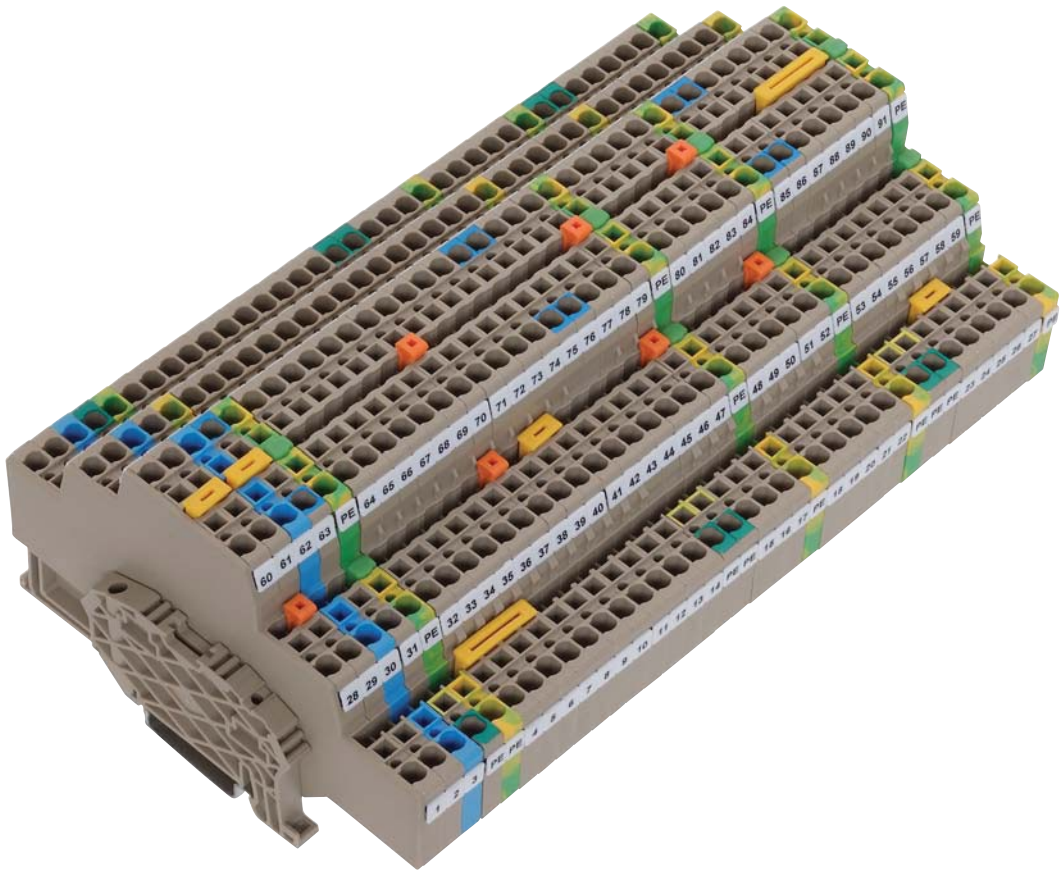
PE foot on both sides



Vertical connection ZVQI



Cross-connection ZQI on 3 levels

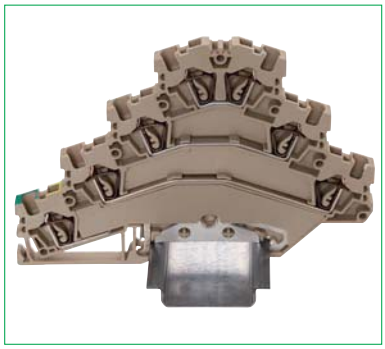


Motor-connection terminal ZVMAK

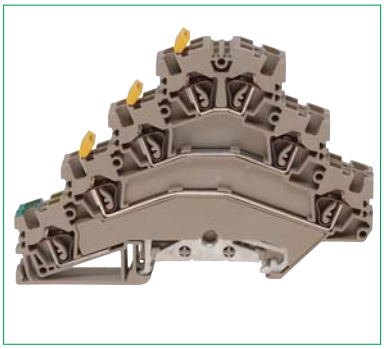
Four-level terminal blocks ZVMAK 2,5

The **ZVMAK 2,5** has a width of 5 mm. It has four levels with seven connection points and can handle solid or stranded wires up to 2.5 mm² with a rated current up to 24 amps. The lower level is designed as a PE connection. The PE foot contacts both sides of the DIN rail, thus ensuring optimal electrical security.

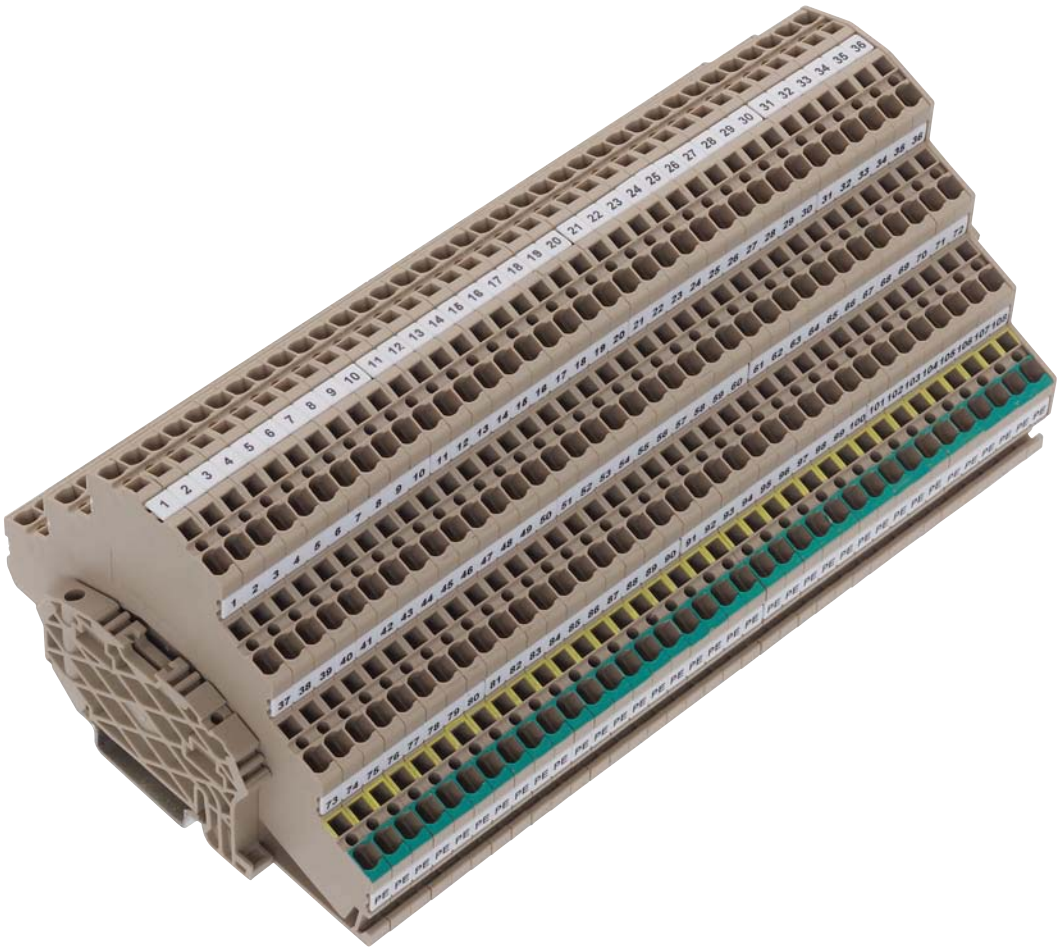
The **ZVMAK** motor-connection terminals can be cross-connected using the **AQI** external cross connection.



PE foot on both sides



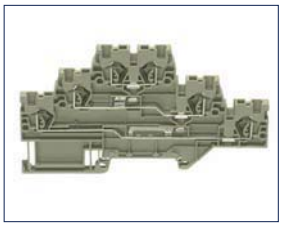
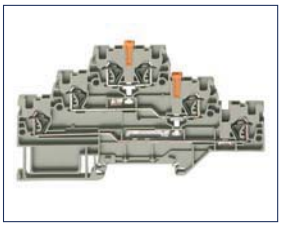
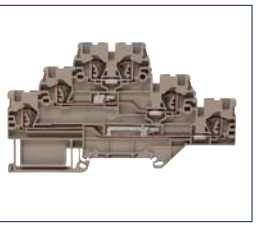
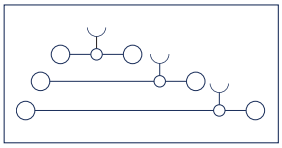
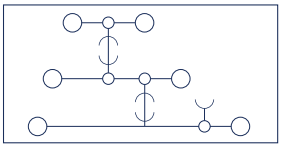
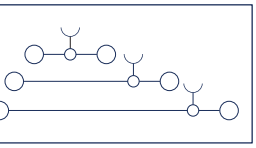
External cross-connection AQI



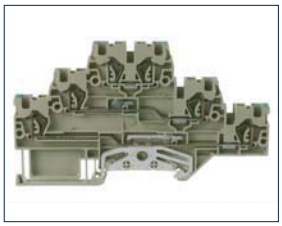
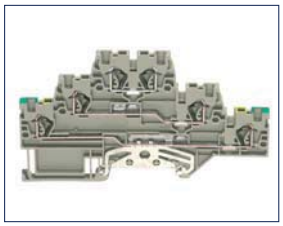
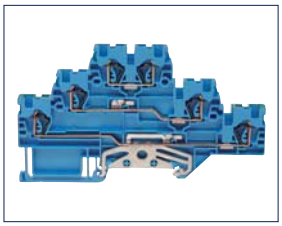
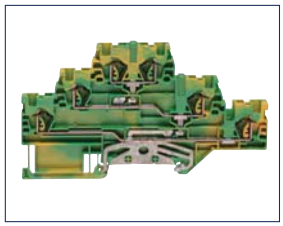
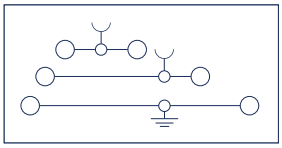
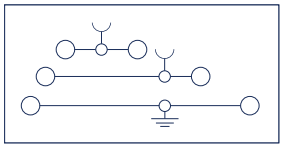
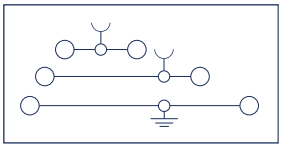
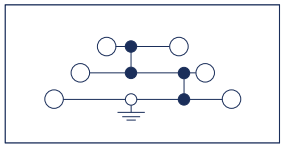
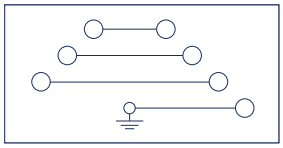
Three-level terminals ZIKD | Motor-connection terminal ZVMAK

Tension-spring connection system

- Foot can be snapped on TS35 DIN rails
- Housing made from polyamide 6.6 UL 94-V0

	ZIKD 2,5	ZIKD 2,5/SV	ZIKD 2,5 L/L/N
			
Connection diagram			
	Feed-through terminal 3 x 2 connections	Feed-through terminal 6 connections	Feed-through terminal 3 x 2 connections
Connection type	**Tension-spring**	**Tension-spring**	**Tension-spring**
Size (L x W x H) with TS 35 x 7.5 mm	116,2 x 5.1 x 68	116,2 x 5.1 x 68	116,2 x 5.1 x 68
Type	**Qty.**	**Qty.**	
Type colour	ZIKD 2,5 BG	ZIKD 2,5/SV BG	ZIKD 2,5/L/L/N BG
Cat. no.	**3590.2** 50	**3591.2** 50	**17037.2**
Type colour	ZIKD 2,5 BU	ZIKD 2,5/SV BU	
Cat. no.	**3590.5** 50	**3591.5** 50	
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available	(2) (5) (3)	(2) (5) (3)	(2)
Ratings	**IEC / CSAus / CSA**	**IEC / CSAus / CSA**	**IEC / CSAus / CSA**
Rated voltage, V	500 / 300 / 300	500 / 300 / 300	500 / 300 / 300
Rated current, A	24 / 15 / 15	24 / 15 / 15	24 / 15 / 15
Rated wire cross-section, mm² | AWG	2.5 | 20-12	2.5 | 20-12	2.5 | 20-12
Rated impulse voltage, kV | Contamination degree	6 | 3	6 | 3	6 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V0	A3 | V0	A3 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.5-4 | -	0.5-4 | -	0.5-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5
Contact wire range, mm²	0.08-4	0.08-4	0.08-4
Stripping length, mm	10	10	10
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels | Test pick-off	3 | 6	1 | 6	3 | 6
Accessories	**Page / Qty.**	**Page / Qty.**	**Page / Qty.**
End plate AP	ZAP 2,5/ID BG	ZAP 2,5/ID BG	ZAP 2,5/ID BG
Cat. no.	**3761.2** 281 20	**3761.2** 281 20	**3761.2** 281 20
Insulated cross-connector ZQI / External cross-connector AQI 2 poles	ZQI 2,5/2 YE	ZQI 2,5/2 YE	ZQI 2,5/2 YE
Cat. no.	**3710.8** 308 50	**3710.8** 308 50	**3710.8** 308 50
Insulated cross-connector ZQI / External cross-connector AQI 3 poles	ZQI 2,5/3 YE	ZQI 2,5/3 YE	ZQI 2,5/3 YE
Cat. no.	**3711.8** 308 50	**3711.8** 308 50	**3711.8** 308 50
Insulated cross-connector ZQI 4 poles	ZQI 2,5/4 YE	ZQI 2,5/4 YE	ZQI 2,5/4 YE
Cat. no.	**3712.8** 308 20	**3712.8** 308 20	**3712.8** 308 20
Insulated cross-connector ZQI 5 poles	ZQI 2,5/5 YE	ZQI 2,5/5 YE	ZQI 2,5/5 YE
Cat. no.	**3713.8** 308 20	**3713.8** 308 20	**3713.8** 308 20
Insulated cross-connector ZQI 6 poles	ZQI 2,5/6 YE	ZQI 2,5/6 YE	ZQI 2,5/6 YE
Cat. no.	**3714.8** 308 20	**3714.8** 308 20	**3714.8** 308 20
Insulated cross-connector ZQI 7 poles	ZQI 2,5/7 YE	ZQI 2,5/7 YE	ZQI 2,5/7 YE
Cat. no.	**3715.8** 308 20	**3715.8** 308 20	**3715.8** 308 20
Insulated cross-connector ZQI 8 poles	ZQI 2,5/8 YE	ZQI 2,5/8 YE	ZQI 2,5/8 YE
Cat. no.	**3716.8** 308 10	**3716.8** 308 10	**3716.8** 308 10
Insulated cross-connector ZQI 9 poles	ZQI 2,5/9 YE	ZQI 2,5/9 YE	ZQI 2,5/9 YE
Cat. no.	**3717.8** 308 10	**3717.8** 308 10	**3717.8** 308 10
Insulated cross-connector ZQI 10 poles	ZQI 2,5/10 YE	ZQI 2,5/10 YE	ZQI 2,5/10 YE
Cat. no.	**3718.8** 308 10	**3718.8** 308 10	**3718.8** 308 10
Insulated cross-connector ZQI 99 poles	ZQI 2,5/0.5 m/99 poles YE	ZQI 2,5/0.5 m/99 poles YE	ZQI 2,5/0.5 m/99 poles YE
Cat. no.	**3719.8** 308 1	**3719.8** 308 1	**3719.8** 308 1
Four-way cover ZAD	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE
Cat. no.	**3706.0** 315 20	**3706.0** 315 20	**3706.0** 315 20
labelling adapter ZBA	ZBA 3 BG	ZBA 3 BG	ZBA 3 BG
Cat. no.	**3813.2** 314 50	**3813.2** 314 50	**3813.2** 314 50
End stop ZES	ZES 35 BG	ZES 35 BG	ZES 35 BG
Cat. no.	**3748.2** 275 50	**3748.2** 275 50	**3748.2** 275 50
Test adapter ZTA	ZTA 2,5	ZTA 2,5	ZTA 2,5
Cat. no.	**3740.2** 320 10	**3740.2** 320 10	**3740.2** 320 10
Screwdriver / Metal actuating tool BWMA	BWMA 1 (0.5x3.5mm)	BWMA 1 (0.5x3.5mm)	BWMA 1 (0.5x3.5mm)
Cat. no.	**3808.0** 328 1	**3808.0** 328 1	**3808.0** 328 1
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	**4600.7** 339 500	**4600.7** 339 500	**4600.7** 339 500

More accessories starting on page 264.

ZIKD 2,5/PE/L/N	ZIKD 2,5/PE/L/L	ZIKD 2,5/PE/N/N	ZIKD 2,5/SV/PE	ZVMAK 2,5
				
				
Feed-through/PE terminal, 3 x 2 connections	Feed-through/PE terminal, 3 x 2 connections	Feed-through/PE terminal, 3 x 2 connections	Protective earth terminal 6 connections	Motor-connection terminal 3 x 2 +1 connections
Tension-spring	**Tension-spring**	**Tension-spring**	**Tension-spring**	**Tension-spring**
116.2 x 5.1 x 68	116.2 x 5.1 x 68	116.2 x 5.1 x 68	116.2 x 5.1 x 68	103.5 x 5.1 x 73
Qty.	Qty.	Qty.	Qty.	Qty.
ZIKD 2,5/PE/L/N BG **3594.2** 50	ZIKD 2,5/PE/L/L BG **3592.2** 50	ZIKD 2,5/PE/N/N BU **3592.5** 50	ZIKD 2,5/SV/PE GE **3593.2** 50	ZVMAK 2,5 BG **3582.2** 50 ZVMAK 2,5 BU **3582.5** 50
.2	.2	.2	2	.2
IEC / CSAus / CSA	IEC / CSAus / CSA	IEC / CSAus / CSA	IEC / CSAus / CSA	IEC / CSAus / CSA
500 / 300 / 300	500 / 300 / 300	500 / 300 / 300		400 / 300 / 300
24 / 15 / 15	24 / 15 / 15	24 / 15 / 15		24 / 15 / 15
2.5 | 20-12	2.5 | 20-12	2.5 | 20-12	2.5 | 20-12	2.5 | 20-12
6 | 3	6 | 3	6 | 3	6 | 3	6 | 3
A3 | V0	A3 | V0	A3 | V0	A3 | V0	A3 | V0
0.5-4 | -	0.5-4 | -	0.5-4 | -	0.5-4 | -	0.5-4 | -
0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5
0.08-4	0.08-4	0.08-4	0.08-4	0.08-4
10	10	10	10	10
PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
2 | 6	2 | 6	2 | 6	0 | 6	0 | 6

	Page	Qty.
ZAP 2,5/ID BG **3761.2**	281	20
ZQI 2,5/2 YE **3710.8**	308	50
ZQI 2,5/3 YE **3711.8**	308	50
ZQI 2,5/4 YE **3712.8**	308	20
ZQI 2,5/5 YE **3713.8**	308	20
ZQI 2,5/6 YE **3714.8**	308	20
ZQI 2,5/7 YE **3715.8**	308	20
ZQI 2,5/8 YE **3716.8**	308	10
ZQI 2,5/9 YE **3717.8**	308	10
ZQI 2,5/10 YE **3718.8**	308	10
ZQI 2,5/0.5 m/99 poles YE **3719.8**	308	1
ZAD 2.5/4/B YE **3706.0**	315	20
ZBA 3 BG **3813.2**	314	50
ZES 35 BG **3748.2**	275	50
ZTA 2 **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

	Page	Qty.
ZAP 2,5/ID BG **3761.2**	281	20
ZQI 2,5/2 YE **3710.8**	308	50
ZQI 2,5/3 YE **3711.8**	308	50
ZQI 2,5/4 YE **3712.8**	308	20
ZQI 2,5/5 YE **3713.8**	308	20
ZQI 2,5/6 YE **3714.8**	308	20
ZQI 2,5/7 YE **3715.8**	308	20
ZQI 2,5/8 YE **3716.8**	308	10
ZQI 2,5/9 YE **3717.8**	308	10
ZQI 2,5/10 YE **3718.8**	308	10
ZQI 2,5/0.5 m/99 poles YE **3719.8**	308	1
ZAD 2.5/4/B YE **3706.0**	315	20
ZBA 3 BG **3813.2**	314	50
ZES 35 BG **3748.2**	275	50
ZTA 2 **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

	Page	Qty.
ZAP 2,5/ID BU **3761.5**	281	20
ZQI 2,5/2 YE **3710.8**	308	50
ZQI 2,5/3 YE **3711.8**	308	50
ZQI 2,5/4 YE **3712.8**	308	20
ZQI 2,5/5 YE **3713.8**	308	20
ZQI 2,5/6 YE **3714.8**	308	20
ZQI 2,5/7 YE **3715.8**	308	20
ZQI 2,5/8 YE **3716.8**	308	10
ZQI 2,5/9 YE **3717.8**	308	10
ZQI 2,5/10 YE **3718.8**	308	10
ZQI 2,5/0.5 m/99 poles YE **3719.8**	308	1
ZAD 2.5/4/B YE **3706.0**	315	20
ZBA 3 BG **3813.2**	314	50
ZES 35 BG **3748.2**	275	50
ZTA 2 **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

	Page	Qty.
ZAP 2,5/ID GN **3761.1**	281	20
ZAD 2.5/4/B YE **3706.0**	315	20
ZBA 3 BG **3813.2**	314	50
ZES 35 BG **3748.2**	275	50
ZTA 2 **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

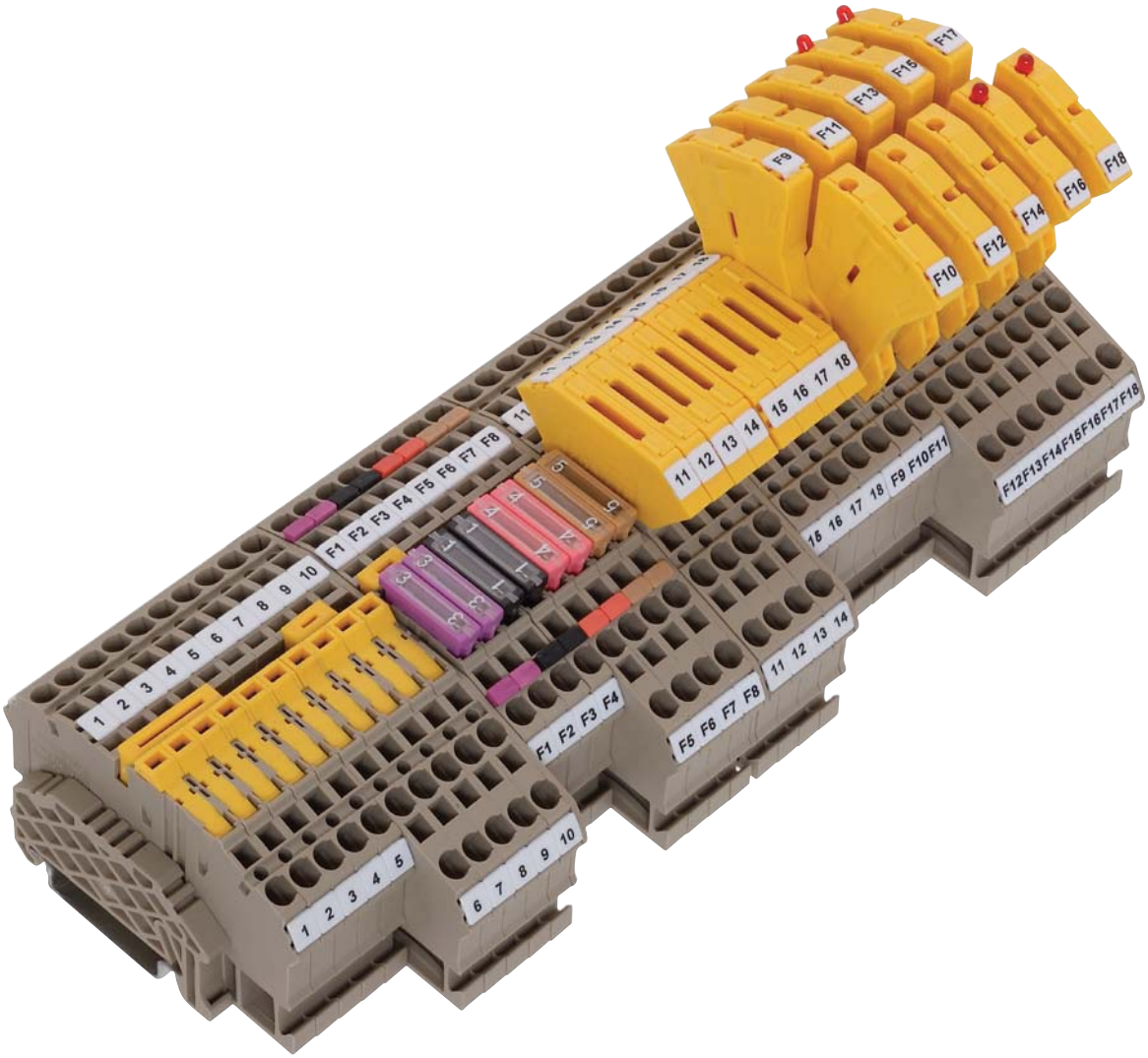
	Page	Qty.
ZAP/MA BG **3762.2**	281	20
AQI 2/S/1S YE **2023.0**	292	50
AQI 3/1S/1S YE **2024.0**	292	50
ZAD 2.5/4/B YE **3706.0**	315	20
ZBA3 **3813.2**	314	50
ZES 35 BG **3748.2**	275	50
ZTA 2 **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

Disconnect-blade terminals | Disconnect terminals | Fused terminals ZTRK

The **ZTRK** base terminal line can be combined in different ways with the product-related line of accessories as two-wire, three-wire and four-wire variants. Without any assembly, the three base terminals can receive auto-fuses or diode plugs.

Alternatively, the base terminals are available equipped with a disconnect blade or a fuse holder for G fuses. The functions of all versions can be changed by removing or adding the disconnect blade, the fuse holder, or the diode plug. The plug-in fuse holders are available as models with or without a status display. They offer great flexibility, easy handling and a wide selection of 5x20 G fuses.
Solid and stranded wires with or without wire-end ferrules can be inserted into the connection system with the use of an actuating tool. The tension spring establishes a secure contact between the conductive wire and the busbar.

For the fuse and disconnect terminals with tension-spring connections, there are many terminals blocks with disconnect blade and disconnect plug available, as well as a fuse holder for auto-fuses and micro-fuses. Each of the tension-spring terminal blocks can be equipped with the standard accessories: the **ZQI 2,5** (cross connector) and the **PMC SB 5** (quick marking system).



The features in detail

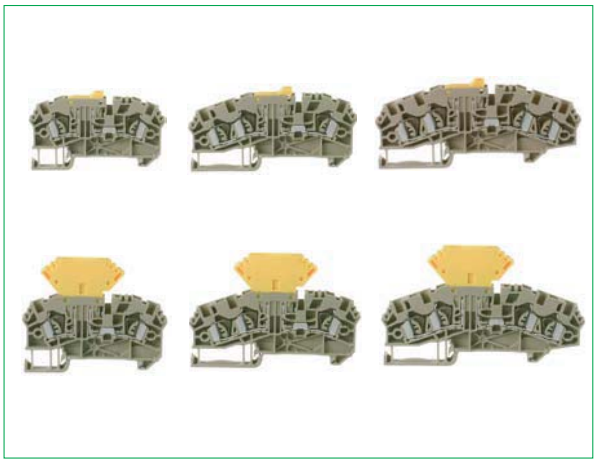
Wire connections

Solid and stranded wires with or without wire-end ferrules can be inserted into the connection system with the use of an actuating tool. The tension spring establishes a secure contact between the conductive wire and the busbar.

(Connection cross-section: 4 mm², rated current: 24 A)

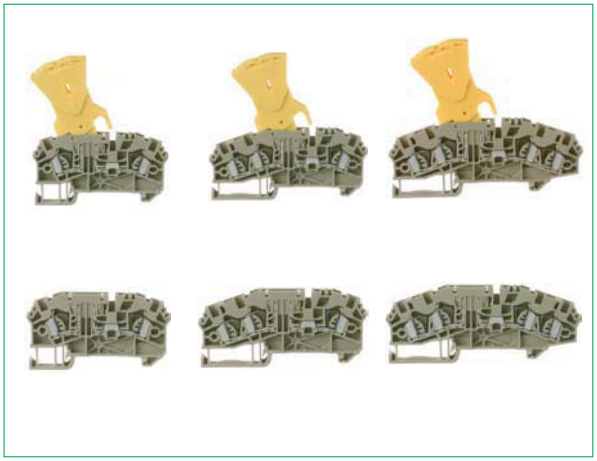
Disconnect terminals ZTRK 2,5/.../MT and ZTRK 2,5/.../ST

Disconnect terminals are often used in measurement, regulation and control technology in order to simplify troubleshooting and in order to be able to commission new systems or carry out revisions on older systems. In the tension-spring system, two models (disconnect-plug/disconnect-blade) are available in the base terminal variations of 2-, 3- and 4- wire systems The proven **ZDS|ZTR** disconnect-plug and **ZTRK 2,5.../MT** disconnect-blade systems with high surface quality and, therefore, low and stable transitional resistance, ensures accurate measurement results. They distinguish themselves by their narrow construction of only 5 mm and a high current capacity of 18 A. In addition to the **ZTR** disconnect-plug models (feed-through connection), **ZDS** diode plugs (I N 4007) are also available. It is easy to distribute potential voltages in combination with the pluggable **ZQI** cross connectors.



Fuse holder for micro-fuse/auto-fuse ZTRK 2,5/.../OT with auto-fuse and ZTRK 2,5/.../ZS

The base terminals can hold auto-fuses without needing any accessories. With the fuse plug **ZS/H**, available in five variations, 5x20 fuses can be accommodated. Due to the special construction of the base terminal/fuse holder, the fuse plugs can be inserted in alternate directions on a pitch of only 5 mm. The fuse plugs are available in variations with or without status display (different voltage ranges). With a rated voltage of 400 V, the rated current of the fuse plug is 6.3 A. In combination with the pluggable **ZQI** cross connectors, it is easy to distribute voltage potentials. A measurement pick-off can be made on each individual terminal block using the test channel and the **ZTA 2,5** test adapter of the PS 2.3 test plug.



Cross-connector ZQI

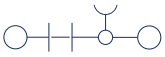
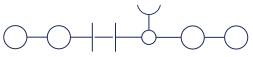
The **ZQI** insulated cross-connections have a pluggable design and are available with from 2 to 10 and 99 poles. They cross connect up to the rated current of the relevant **ZTRK** terminals.

Disconnect-blade terminals | Disconnect terminals ZTRK

Tension-spring connection system

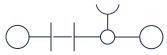
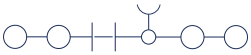
- Foot can be snapped on TS35 DIN rails
- Housing made from polyamide 6.6 UL 94-V0

Connection diagram

	ZTRK 2,5/2A/MT	ZTRK 2,5/3A/MT	ZTRK 2,5/4A/MT
			
	Disconnect-blade terminal 2 connections	Disconnect-blade terminal 3 connections	Disconnect-blade terminal 4 connections
Connection type	**Tension-spring**	**Tension-spring**	**Tension-spring**
Size (L x W x H) with TS 35 x 7.5 mm	68 x 5.1 x 42.3	80.2 x 5.1 x 42.3	92.4 x 5.1 x 42.3
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	ZTRK 2,5/2A/MT BG	ZTRK 2,5/3A/MT BG	ZTRK 2,5/4A/MT BG
Cat. no.	**3603.2** 100	**3604.2** 100	**3605.2** 100
Type colour	ZTRK 2,5/2A/MT BU	ZTRK 2,5/3A/MT BU	ZTRK 2,5/4A/MT BU
Cat. no.	**3603.5** 100	**3604.5** 100	**3605.5** 100
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available	2 5 3	2 5 3	2 5 3
Ratings	**IEC / CSAus / CSA**	**IEC / CSAus / CSA**	**IEC / CSAus / CSA**
Rated voltage, V	400 - -	400 - -	400 - -
Rated current, A	18 - -	18 - -	18 - -
Rated wire cross-section, mm² | AWG	2.5 | 20-12	2.5 | 20-12	2.5 | 20-12
Rated impulse voltage, kV | Contamination degree	6 | 3	6 | 3	6 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V0	A3 | V0	A3 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.5-4 | -	0.5-4 | -	0.5-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5
Contact wire range, mm²	0.08-4	0.08-4	0.08-4
Stripping length, mm	10	10	10
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels | Test pick-off	1 | 2	1 | 2	1 | 2

Accessories		**Page**	**Qty.**		**Page**	**Qty.**		**Page**	**Qty.**
End plate AP				ZAPT 2,5/2A BG			ZAPT 2,5/3A BG			ZAPT 2,5/4A BG		
Cat. no.				**3796.2**	281	50	**3797.2**	281	50	**3798.2**	281	50
Insulated cross-connector ZQI				ZQI 2,5/2 YE			ZQI 2,5/2 YE			ZQI 2,5/2 YE		
Cat. no.	2 poles			**3710.8**	308	50	**3710.8**	308	50	**3710.8**	308	50
Insulated cross-connector ZQI				ZQI 2,5/3 YE			ZQI 2,5/3 YE			ZQI 2,5/3 YE		
Cat. no.	3 poles			**3711.8**	308	50	**3711.8**	308	50	**3711.8**	308	50
Insulated cross-connector ZQI				ZQI 2,5/4 YE			ZQI 2,5/4 YE			ZQI 2,5/4 YE		
Cat. no.	4 poles			**3712.8**	308	20	**3712.8**	308	20	**3712.8**	308	20
Insulated cross-connector ZQI				ZQI 2,5/5 YE			ZQI 2,5/5 YE			ZQI 2,5/5 YE		
Cat. no.	5 poles			**3713.8**	308	20	**3713.8**	308	20	**3713.8**	308	20
Insulated cross-connector ZQI				ZQI 2,5/6 YE			ZQI 2,5/6 YE			ZQI 2,5/6 YE		
Cat. no.	6 poles			**3714.8**	308	20	**3714.8**	308	20	**3714.8**	308	20
Insulated cross-connector ZQI				ZQI 2,5/7 YE			ZQI 2,5/7 YE			ZQI 2,5/7 YE		
Cat. no.	7 poles			**3715.8**	308	20	**3715.8**	308	20	**3715.8**	308	20
Insulated cross-connector ZQI				ZQI 2,5/8 YE			ZQI 2,5/8 YE			ZQI 2,5/8 YE		
Cat. no.	8 poles			**3716.8**	308	10	**3716.8**	308	10	**3716.8**	308	10
Insulated cross-connector ZQI				ZQI 2,5/9 YE			ZQI 2,5/9 YE			ZQI 2,5/9 YE		
Cat. no.	9 poles			**3717.8**	308	10	**3717.8**	308	10	**3717.8**	308	10
Insulated cross-connector ZQI				ZQI 2,5/10 YE			ZQI 2,5/10 YE			ZQI 2,5/10 YE		
Cat. no.	10 poles			**3718.8**	308	10	**3718.8**	308	10	**3718.8**	308	10
Insulated cross-connector ZQI				ZQI 2,5/0.5 m/99 poles YE			ZQI 2,5/0.5 m/99 poles YE			ZQI 2,5/0.5 m/99 poles YE		
Cat. no.	99 poles			**3719.8**	308	1	**3719.8**	308	1	**3719.8**	308	1
Four-way cover ZAD				ZAD 2.5/4/B YE			ZAD 2.5/4/B YE			ZAD 2.5/4/B YE		
Cat. no.				**3706.0**	315	20	**3706.0**	315	20	**3706.0**	315	20
End stop ZES				ZES 35 BG			ZES 35 BG			ZES 35 BG		
Cat. no.				**3748.2**	275	50	**3748.2**	275	50	**3748.2**	275	50
Test adapter ZTA				ZTA 2,5			ZTA 2,5			ZTA 2,5		
Cat. no.				**3740.2**	320	10	**3740.2**	320	10	**3740.2**	320	10
Metal actuating tool BWMA				BWMA 1 (0.5x3.5mm)			BWMA 1 (0.5x3.5mm)			BWMA 1 (0.5x3.5mm)		
Cat. no.				**3808.0**	328	1	**3808.0**	328	1	**3808.0**	328	1
Quick marking PMC SB				PMC SB 5/50 WH			PMC SB 5/50 WH			PMC SB 5/50 WH		
Cat. no.				**4600.7**	339	500	**4600.7**	339	500	**4600.7**	339	500

More accessories starting on page 264.

ZTRK 2,5/2A/ST	ZTRK 2,5/3A/ST	ZTRK 2,5/4A/ST	ZDS/ZTR	
				
Disconnect terminal 2 connections	Disconnect terminal 3 connections	Disconnect terminal 4 connections		
Tension-spring	**Tension-spring**	**Tension-spring**	**Tension-spring**	
68 x 5.1 x 57.1	80.2 x 5.1 x 57.1	92.4 x 5.1 x 57.1		

	Qty.
ZTRK 2,5/2A/ST BG **3606.2**	100
ZTRK 2,5/2A/ST BU **3606.5**	100

	Qty.
ZTRK 2,5/3A/ST BG **3607.2**	100
ZTRK 2,5/3A/ST BU **3607.5**	100

	Qty.
ZTRK 2,5/4A/ST BG **3608.2**	100
ZTRK 2,5/4A/ST BU **3608.5**	100

	Qty.
ZDS 1/ZTR **3612.2**	20
ZDS 2/ZTR **3613.2**	20
ZDS 3/ZTR **3614.2**	20
ZDS 4/ZTR **3615.2**	20

.2 .5		
IEC	**CSAus**	**CSA**
400	-	-
18	-	-
2.5 | 20-12		
6 | 3		
A3 | V0		
0.5-4 | -		
0.5-4 | 0.5-2.5		
0.08-4		
10		
PA 6.6 | -40 to +120°C		
1 | 2		

.2 .5		
IEC	**CSAus**	**CSA**
400	-	-
18	-	-
2.5 | 20-12		
6 | 3		
A3 | V0		
0.5-4 | -		
0.5-4 | 0.5-2.5		
0.08-4		
10		
PA 6.6 | -40 to +120°C		
1 | 2		

.2 .5		
IEC	**CSAus**	**CSA**
400	-	-
18	-	-
2.5 | 20-12		
6 | 3		
A3 | V0		
0.5-4 | -		
0.5-4 | 0.5-2.5		
0.08-4		
10		
PA 6.6 | -40 to +120°C		
1 | 2		

IEC	**CSAus**	**CSA**
-	-	-
-	-	-

For **3613.2** and **3614.2**
Soldered diode 1N4007
Reverse voltage 1000V/Current 1A

	Page	Qty.
ZAPT 2,5/2A BG **3796.2**	281	50
ZQI 2,5/2 YE **3710.8**	308	50
ZQI 2,5/3 YE **3711.8**	308	50
ZQI 2,5/4 YE **3712.8**	308	20
ZQI 2,5/5 YE **3713.8**	308	20
ZQI 2,5/6 YE **3714.8**	308	20
ZQI 2,5/7 YE **3715.8**	308	20
ZQI 2,5/8 YE **3716.8**	308	10
ZQI 2,5/9 YE **3717.8**	308	10
ZQI 2,5/10 YE **3718.8**	308	10
ZQI 2,5/0.5 m/99 poles YE **3719.8**	308	1
ZAD 2.5/4/B YE **3706.0**	315	20
ZES 35 BG **3748.2**	275	50
ZTA 2,5 **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

	Page	Qty.
ZAPT 2,5/3A BG **3797.2**	281	50
ZQI 2,5/2 YE **3710.8**	308	50
ZQI 2,5/3 YE **3711.8**	308	50
ZQI 2,5/4 YE **3712.8**	308	20
ZQI 2,5/5 YE **3713.8**	308	20
ZQI 2,5/6 YE **3714.8**	308	20
ZQI 2,5/7 YE **3715.8**	308	20
ZQI 2,5/8 YE **3716.8**	308	10
ZQI 2,5/9 YE **3717.8**	308	10
ZQI 2,5/10 YE **3718.8**	308	10
ZQI 2,5/0.5 m/99 poles YE **3719.8**	308	1
ZAD 2.5/4/B YE **3706.0**	315	20
ZES 35 BG **3748.2**	275	50
ZTA 2,5 **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

	Page	Qty.
ZAPT 2,5/4A BG **3798.2**	281	50
ZQI 2,5/2 YE **3710.8**	308	50
ZQI 2,5/3 YE **3711.8**	308	50
ZQI 2,5/4 YE **3712.8**	308	20
ZQI 2,5/5 YE **3713.8**	308	20
ZQI 2,5/6 YE **3714.8**	308	20
ZQI 2,5/7 YE **3715.8**	308	20
ZQI 2,5/8 YE **3716.8**	308	10
ZQI 2,5/9 YE **3717.8**	308	10
ZQI 2,5/10 YE **3718.8**	308	10
ZQI 2,5/0.5 m/99 poles YE **3719.8**	308	1
ZAD 2.5/4/B YE **3706.0**	315	20
ZES 35 BG **3748.2**	275	50
ZTA 2,5 **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

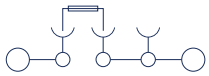
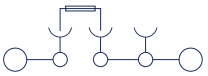
	Page	Qty.
PMC SB 5/50 WH **4600.7**	339	500

Fuse disconnect terminals ZTRK

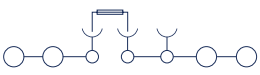
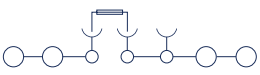
Tension-spring connection system

- Foot can be snapped on TS35 DIN rails
- Housing made from polyamide 6.6 UL 94-V0

Connection diagram

	ZTRK 2,5/2A/ZS	ZTRK 2,5/2A/ZS...	ZTRK 2,5/3A/ZS
			
	Fuse disconnect terminal 2 connections	Fuse disconnect terminal 2 connections	Fuse disconnect terminal 3 connections
Connection type	**Tension-spring**	**Tension-spring**	**Tension-spring**
Size (L x W x H) with TS 35 x 7.5 mm	68 x 5.1 x 78.7	68 x 5.1 x 78.7	80.2 x 5.1 x 78.7
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	ZTRK 2,5/2A/ZS BG	ZTRK 2,5/2A/ZS 36 BG	ZTRK 2,5/3A/ZS BG
Cat. no.	**3616.2** 100	**3617.2** 10V-36V 100	**3621.2** 100
Type colour	ZTRK 2,5/2A/ZS BU	ZTRK 2,5/2A/ZS 70 BG	ZTRK 2,5/3A/ZS BU
Cat. no.	**3616.5** 100	**3618.2** 35V-70V 100	**3621.5** 100
Type colour		ZTRK 2,5/2A/ZS 150 BG	
Cat. no.		**3619.2** 60V-150V 100	
Type colour		ZTRK 2,5/2A/ZS 250 BG	
Cat. no.		**3620.2** 140V-250V 100	
Type/colour			
Cat. no.			
Colours available	.2 .5	.2	.2 .5
Ratings	**IEC CSAus CSA**	**IEC CSAus CSA**	**IEC CSAus CSA**
Rated voltage, V	400 - -	See above	400 - -
Rated current, A	6,3 - -	6,3 - -	6,3 - -
Rated wire cross-section, mm² | AWG	2.5 | 20-12	2.5 | 20-12	2.5 | 20-12
Rated impulse voltage, kV | Contamination degree	6 | 3	6 | 3	6 | 3
Max. power loss, W	1,6	1,6	1,6
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V0	A3 | V0	A3 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.5-4 | -	0.5-4 | -	0.5-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5
Contact wire range, mm²	0.08-4	0.08-4	0.08-4
Stripping length, m	10	10	10
Fuse size	5 x 20	5 x 20	5 x 20
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels | Test pick-off	1 | 2	1 | 2	1 | 2
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
ZAP end plate **Cat. no.**	ZAPT 2,5/2A BG **3796.2** 281 20	ZAPT 2,5/2A BG **3796.2** 281 20	ZAPT 2,5/3A BG **3797.2** 281 20
Insulated cross-connector ZQI 2 poles **Cat. no.**	ZQI 2,5/2 YE **3710.8** 308 50	ZQI 2,5/2 YE **3710.8** 308 50	ZQI 2,5/2 YE **3710.8** 308 50
Insulated cross-connector ZQI 3 poles **Cat. no.**	ZQI 2,5/3 YE **3711.8** 308 50	ZQI 2,5/3 YE **3711.8** 308 50	ZQI 2,5/3 YE **3711.8** 308 50
Insulated cross-connector ZQI 4 poles **Cat. no.**	ZQI 2,5/4 YE **3712.8** 308 20	ZQI 2,5/4 YE **3712.8** 308 20	ZQI 2,5/4 YE **3712.8** 308 20
Insulated cross-connector ZQI 5 poles **Cat. no.**	ZQI 2,5/5 YE **3713.8** 308 20	ZQI 2,5/5 YE **3713.8** 308 20	ZQI 2,5/5 YE **3713.8** 308 20
Insulated cross-connector ZQI 6 poles **Cat. no.**	ZQI 2,5/6 YE **3714.8** 308 20	ZQI 2,5/6 YE **3714.8** 308 20	ZQI 2,5/6 YE **3714.8** 308 20
Insulated cross-connector ZQI 7 poles **Cat. no.**	ZQI 2,5/7 YE **3715.8** 308 20	ZQI 2,5/7 YE **3715.8** 308 20	ZQI 2,5/7 YE **3715.8** 308 20
Insulated cross-connector ZQI 8 poles **Cat. no.**	ZQI 2,5/8 YE **3716.8** 308 10	ZQI 2,5/8 YE **3716.8** 308 10	ZQI 2,5/8 YE **3716.8** 308 10
Insulated cross-connector ZQI 9 poles **Cat. no.**	ZQI 2,5/9 YE **3717.8** 308 10	ZQI 2,5/9 YE **3717.8** 308 10	ZQI 2,5/9 YE **3717.8** 308 10
Insulated cross-connector ZQI 10 poles **Cat. no.**	ZQI 2,5/10 YE **3718.8** 308 10	ZQI 2,5/10 YE **3718.8** 308 10	ZQI 2,5/10 YE **3718.8** 308 10
Insulated cross-connector ZQI 99 poles **Cat. no.**	ZQI 2,5/0.5 m/99 poles YE **3719.8** 308 1	ZQI 2,5/0.5 m/99 poles YE **3719.8** 308 1	ZQI 2,5/0.5 m/99 poles YE **3719.8** 308 1
Four-way cover ZAD **Cat. no.**	ZAD 2.5/4/B YE **3706.0** 315 20	ZAD 2.5/4/B YE **3706.0** 315 20	ZAD 2.5/4/B YE **3706.0** 315 20
End stop ZES **Cat. no.**	ZES 35 BG **3748.2** 275 50	ZES 35 BG **3748.2** 275 50	ZES 35 BG **3748.2** 275 50
Test adapter ZTA **Cat. no.**	ZTA 2,5 **3740.2** 320 10	ZTA 2,5 **3740.2** 320 10	ZTA 2,5 **3740.2** 320 10
Screwdriver / Metal actuating tool BWMA **Cat. no.**	BWMA 1 (0.5x3.5mm) **3808.0** 328 1	BWMA 1 (0.5x3.5mm) **3808.0** 328 1	BWMA 1 (0.5x3.5mm) **3808.0** 328 1
Quick marking PMC SB **Cat. no.**	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500

More accessories starting on page 264.

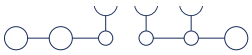
ZTRK 2,5/3A/ZS...	ZTRK 2,5/4A/ZS	ZTRK 2,5/4A/ZS...	ZS/H.../ZTR	
				
Fuse disconnect terminal 3 connections	Fuse disconnect terminal 4 connections	Fuse disconnect terminal 4 connections	Fuse plug for 5 x 20 fuses	
Tension-spring	**Tension-spring**	**Tension-spring**	**Tension-spring**	
80.2 x 5.1 x 78.7	92.4 x 5.1 x 78.7	92.4 x 5.1 x 78.7		
Qty.	**Qty.**	**Qty.**	**Qty.**	
ZTRK 2,5/3A/ZS 36 BG **3622.2** 10V-36V 100	ZTRK 2,5/4A/ZS BG **3626.2** 100	ZTRK 2,5/4A/ZS 36 BG **3627.2** 10V-36V 100	ZS/H0/ZTR **3635.2** 20	
ZTRK 2,5/3A/ZS 70 BG **3623.2** 35V-70V 100	ZTRK 2,5/4A/ZS BU **3626.5** 100	ZTRK 2,5/4A/ZS 70 BG **3628.2** 35V-70V 100	ZS/H1/ZTR/36 **3631.2** 10V-36V 20	
ZTRK 2,5/3A/ZS 150 BG **3624.2** 60V-150V 100		ZTRK 2,5/4A/ZS 150 BG **3629.2** 60V-150V 100	ZS/H2/ZTR/70 **3632.2** 35V-70V 20	
ZTRK 2,5/3A/ZS 250 BG **3625.2** 140V-250V 100		ZTRK 2,5/4A/ZS 250 BG **3630.2** 140V-250V 100	ZS/H3/ZTR/150 **3633.2** 60V-150V 20	
			ZS/H4/ZTR/250 **3634.2**/20 140V-250V 20	
.2	.2 .5	.2		
IEC CSAus CSA	**IEC CSAus CSA**	**IEC CSAus CSA**		
See above	400 - -	See above		
6,3 - -	6,3 - -	6,3 - -		
2.5 | 20-12	2.5 | 20-12	2.5 | 20-12		
6 | 3	6 | 3	6 | 3		
1,6	1,6	1,6		
A3 | V0	A3 | V0	A3 | V0		
0.5-4 | -	0.5-4 | -	0.5-4 | -	Motor vehicle fuses are listed on page 325.	
0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5		
0.08-4	0.08-4	0.08-4		
10	10	10		
5 x 20	5 x 20	5 x 20		
PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C		
1 | 2	1 | 2	1 | 2		
Page Qty.	**Page Qty.**	**Page Qty.**	**Page Qty.**	
ZAPT 2,5/3A BG **3797.2** 281 20	ZAPT 2,5/4A BG **3798.2** 281 50	ZAPT 2,5/4A BG **3798.2** 281 50		
ZQI 2,5/2 YE **3710.8** 308 50	ZQI 2,5/2 YE **3710.8** 308 50	ZQI 2,5/2 YE **3710.8** 308 50		
ZQI 2,5/3 YE **3711.8** 308 50	ZQI 2,5/3 YE **3711.8** 308 50	ZQI 2,5/3 YE **3711.8** 308 50		
ZQI 2,5/4 YE **3712.8** 308 20	ZQI 2,5/4 YE **3712.8** 308 20	ZQI 2,5/4 YE **3712.8** 308 20		
ZQI 2,5/5 YE **3713.8** 308 20	ZQI 2,5/5 YE **3713.8** 308 20	ZQI 2,5/5 YE **3713.8** 308 20		
ZQI 2,5/6 YE **3714.8** 308 20	ZQI 2,5/6 YE **3714.8** 308 20	ZQI 2,5/6 YE **3714.8** 308 20		
ZQI 2,5/7 YE **3715.8** 308 20	ZQI 2,5/7 YE **3715.8** 308 20	ZQI 2,5/7 YE **3715.8** 308 20		
ZQI 2,5/8 YE **3716.8** 308 10	ZQI 2,5/8 YE **3716.8** 308 10	ZQI 2,5/8 YE **3716.8** 308 10		
ZQI 2,5/9 YE **3717.8** 308 10	ZQI 2,5/9 YE **3717.8** 308 10	ZQI 2,5/9 YE **3717.8** 308 10		
ZQI 2,5/10 YE **3718.8** 308 10	ZQI 2,5/10 YE **3718.8** 308 10	ZQI 2,5/10 YE **3718.8** 308 10		
ZQI 2,5/0.5 m/99 poles YE **3719.8** 308 1	ZQI 2,5/0.5 m/99 poles YE **3719.8** 308 1	ZQI 2,5/0.5 m/99 poles YE **3719.8** 308 1		
ZAD 2.5/4/B YE **3706.0** 315 20	ZAD 2.5/4/B YE **3706.0** 315 20	ZAD 2.5/4/B YE **3706.0** 315 20		
ZES 35 BG **3748.2** 275 50	ZES 35 BG **3748.2** 275 50	ZES 35 BG **3748.2** 275 50		
ZTA 2,5 **3740.2** 320 10	ZTA 2,5 **3740.2** 320 10	ZTA 2,5 **3740.2** 320 10		
BWMA 1 (0.5x3.5mm) **3808.0** 328 1	BWMA 1 (0.5x3.5mm) **3808.0** 328 1	BWMA 1 (0.5x3.5mm) **3808.0** 328 1		
PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500	

Disconnect terminals ZTRK

Tension-spring connection system

- Foot can be snapped on TS35 DIN rails
- Housing made from polyamide 6.6 UL 94-V0

Connection diagram

	ZTRK 2,5/2A/OT	ZTRK 2,5/3A/OT	ZTRK 2,5/4A/OT
			
	Base terminal 2 connections	Base terminal 3 connections	Base terminal 4 connections
Connection type	**Tension-spring**	**Tension-spring**	**Tension-spring**
Size (L x W x H) with TS 35 x 7.5 mm	68 x 5.1 x 39.2	80.2 x 5.1 x 39.2	92.4 x 5.1 x 39.2
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	ZTRK 2,5/2A/OT BG	ZTRK 2,5/3A/OT BG	ZTRK 2,5/4A/OT BG
Cat. no.	**3609.2** 100	**3610.2** 100	**3611.2** 100
Type colour	ZTRK 2,5/2A/OT BU	ZTRK 2,5/3A/OT BU	ZTRK 2,5/4A/OT BU
Cat. no.	**3609.5** 100	**3610.5** 100	**3611.5** 100
Type colour			
Cat. no.			
Colours available	.2 .5 .3	.2 .5 .3	.2 .5 .3
Ratings	**IEC / CSAus / CSA**	**IEC / CSAus / CSA**	**IEC / CSAus / CSA**
Rated voltage, V	400 - -	400 - -	400 - -
Rated current, A	18 - -	18 - -	18 - -
Rated wire cross-section, mm² | AWG	2.5 | 20-12	2.5 | 20-12	2.5 | 20-12
Rated impulse voltage, kV | Contamination degree	6 | 3	6 | 3	6 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V0	A3 | V0	A3 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.5-4 | -	0.5-4 | -	0.5-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5
Contact wire range, mm²	0.08-4	0.08-4	0.08-4
Stripping length, mm	10	10	10
Diodes			
Fuse size			
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels | Test pick-off	1 | 2	1 | 2	1 | 2
Accessories	**Page / Qty.**	**Page / Qty.**	**Page / Qty.**
ZAP end plate **Cat. no.**	ZAPT 2,5/2A BG **3796.2** 281 50	ZAPT 2,5/3A BG **3797.2** 281 50	ZAPT 2,5/4A BG **3798.2** 281 50
Insulated cross-connector ZQI 2 poles **Cat. no.**	ZQI 2,5/2 YE **3710.8** 308 50	ZQI 2,5/2 YE **3710.8** 308 50	ZQI 2,5/2 YE **3710.8** 308 50
Insulated cross-connector ZQI 3 poles **Cat. no.**	ZQI 2,5/3 YE **3711.8** 308 50	ZQI 2,5/3 YE **3711.8** 308 50	ZQI 2,5/3 YE **3711.8** 308 50
Insulated cross-connector ZQI 4 poles **Cat. no.**	ZQI 2,5/4 YE **3712.8** 308 20	ZQI 2,5/4 YE **3712.8** 308 20	ZQI 2,5/4 YE **3712.8** 308 20
Insulated cross-connector ZQI 5 poles **Cat. no.**	ZQI 2,5/5 YE **3713.8** 308 20	ZQI 2,5/5 YE **3713.8** 308 20	ZQI 2,5/5 YE **3713.8** 308 20
Insulated cross-connector ZQI 6 poles **Cat. no.**	ZQI 2,5/6 YE **3714.8** 308 20	ZQI 2,5/6 YE **3714.8** 308 20	ZQI 2,5/6 YE **3714.8** 308 20
Insulated cross-connector ZQI 7 poles **Cat. no.**	ZQI 2,5/7 YE **3715.8** 308 20	ZQI 2,5/7 YE **3715.8** 308 20	ZQI 2,5/7 YE **3715.8** 308 20
Insulated cross-connector ZQI 8 poles **Cat. no.**	ZQI 2,5/8 YE **3716.8** 308 10	ZQI 2,5/8 YE **3716.8** 308 10	ZQI 2,5/8 YE **3716.8** 308 10
Insulated cross-connector ZQI 9 poles **Cat. no.**	ZQI 2,5/9 YE **3717.8** 308 10	ZQI 2,5/9 YE **3717.8** 308 10	ZQI 2,5/9 YE **3717.8** 308 10
Insulated cross-connector ZQI 10 poles **Cat. no.**	ZQI 2,5/10 YE **3718.8** 308 10	ZQI 2,5/10 YE **3718.8** 308 10	ZQI 2,5/10 YE **3718.8** 308 10
Insulated cross-connector ZQI 99 poles **Cat. no.**	ZQI 2,5/0.5 m/99 poles YE **3719.8** 308 1	ZQI 2,5/0.5 m/99 poles YE **3719.8** 308 1	ZQI 2,5/0.5 m/99 poles YE **3719.8** 308 1
Four-way cover ZAD **Cat. no.**	ZAD 2.5/4/B YE **3706.0** 315 20	ZAD 2.5/4/B YE **3706.0** 315 20	ZAD 2.5/4/B YE **3706.0** 315 20
End stop ZES **Cat. no.**	ZES 35 BG **3748.2** 275 20	ZES 35 BG **3748.2** 275 20	ZES 35 BG **3748.2** 275 20
Test adapter ZTA **Cat. no.**	ZTA 2,5 **3740.2** 320 10	ZTA 2,5 **3740.2** 320 10	ZTA 2,5 **3740.2** 320 10
Screwdriver / Metal actuating tool BWMA **Cat. no.**	BWMA 1 (0.5x3.5mm) **3808.0** 328 1	BWMA 1 (0.5x3.5mm) **3808.0** 328 1	BWMA 1 (0.5x3.5mm) **3808.0** 328 1
Quick marking PMC SB **Cat. no.**	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500

More accessories starting on page 264.

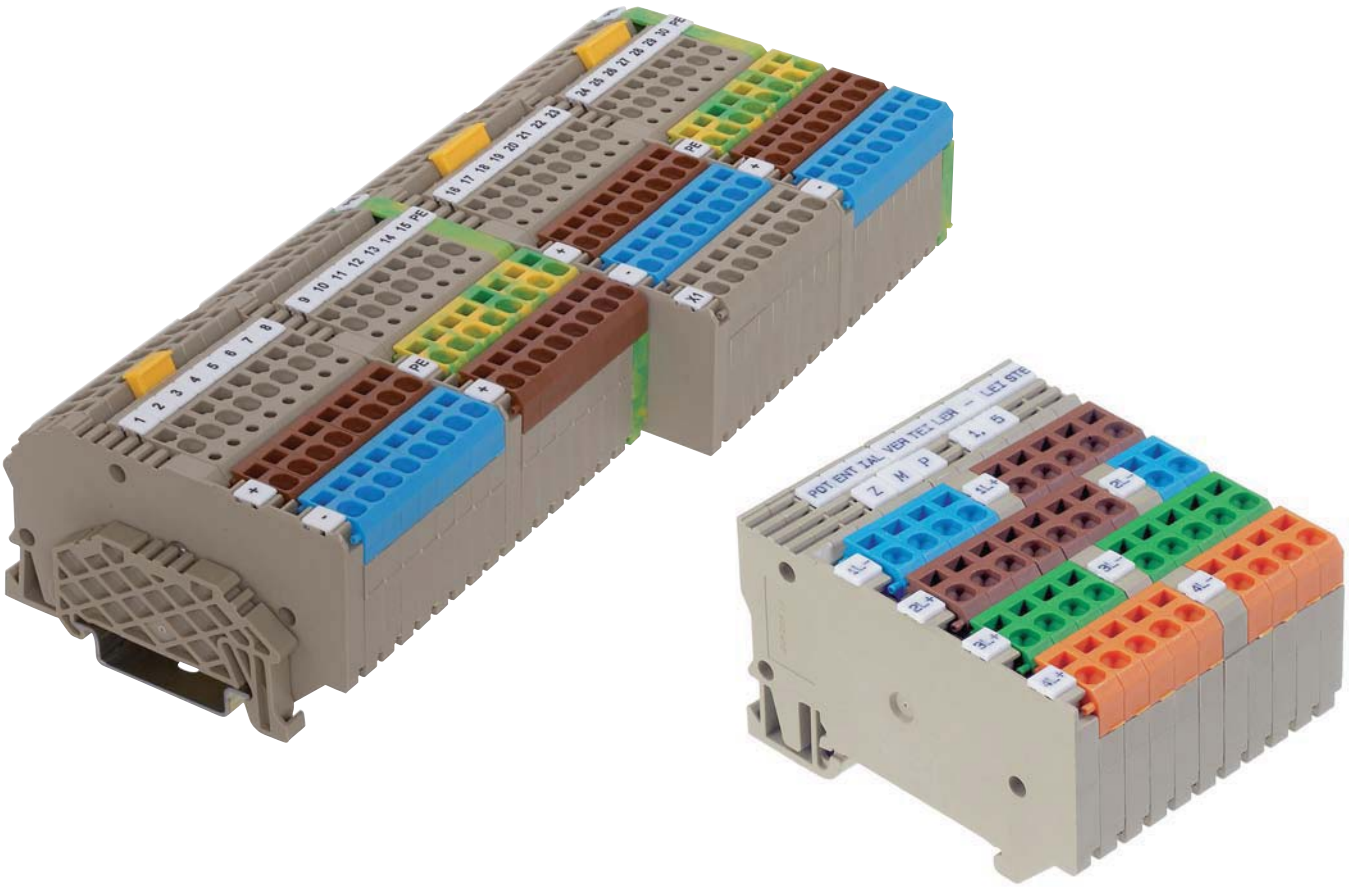
ZDS/ZTR	ZS/H.../ZTR	ZS/H.../ZTR		
Disconnect plug | Diode plug	Fuse plug for 5 x 20 fuses	Fuse plug for 5 x 20 fuses with LED		
Qty.	**Qty.**	**Qty.**		
ZDS 1/ZTR **3612.2** 20	ZS/H0/ZTR **3635.2** 20	ZS/H1/ZTR/36 **3631.2** 10V-36V 20		
ZDS 2/ZTR **3613.2** 20		ZS/H2/ZTR/70 **3632.2** 35V-70V 20		
ZDS 3/ZTR **3614.2** 20		ZS/H3/ZTR/150 **3633.2** 60V-150V 20		
ZDS 4/ZTR **3615.2** 20		ZS/H4/ZTR/250 **3634.2** 140V-250V 20		
IEC CSAus CSA	**IEC CSAus CSA**	**IEC CSAus CSA**		
	250 6.3	250 6.3		
For **3613.2** and **3614.2** Soldered diode 1N4007 Reverse voltage 1000V/Current 1A				
	5 x 20	5 x 20		
PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	Motor vehicle fuses are listed on page 325.	
Page Qty.	**Page Qty.**	**Page Qty.**		
PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500		

Initiator terminals / Actuator terminals ZINI/ZAKTO | Potential distribution system ZMP

In order to start-up electromechanical functions in machinery and facilities, a link must be established from signal emitters (such as initiators, limit switches and pressure monitors), actuators (such as valves) and alert sources (such as indicator lights and flashing beacons) with the controller. These signals are consolidated in decentralized units in order to reduce the wiring overhead and speed up the troubleshooting process. Exacting demands are placed on the connection system that is used in the cramped, hard-to-reach installations for machinery and facilities.

Our **ZINI/ZAKTO** – consisting of the **ZIZA** base terminals and the **ZPL** potential distribution strip – is perfectly suited for such exacting requirements. The **ZIZA** base terminal is designed to feed the sense/control signal level through. It enables the attachment of **ZPL** potential distribution strips (plus, minus and PE potentials). The potential distribution strip consists of a individual slice each having one electrical connection. Depending on the application, these individual slices can be linked to achieve the required number of poles. No additional cross-connector is needed since the potential distribution strip established its own electrical cross-connection using the base terminal.

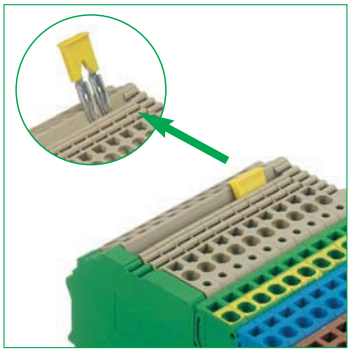
The **ZMP 1,5** potential distribution system makes it possible for the encoder, input, and control voltages (required centrally) to distribute their voltage supplies. It is easy to work with because of the modular design. The number of poles required is determined by the user's application. The **ZMP** consists of **ZMP 1,5** base terminals with four slots for plugging in the **ZPL** potential distribution strips. The patented, integrated cross-connection system on the **ZPL** potential distribution strip results in reduced costs and less time spent with cross-connections. The potential distribution strips are colour-coded (beige, reddish brown, blue, green-yellow, yellow, green, orange and red). Four potentials – together with the **ZBA** labelling adapters – can be led in parallel in addition to many adjacent potentials. The system is compact, modular, and easy to work with. It is designed for 400 V and a current of 17.5 A. The **PMC SB** and **PMC BSTR** quick marking systems can be used for clear and convenient labelling on the **ZMP 1,5** base terminals and on the **ZBA** labelling adapters.



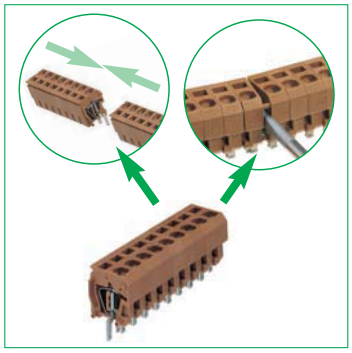
Features and advantages

ZINI | ZAKTO

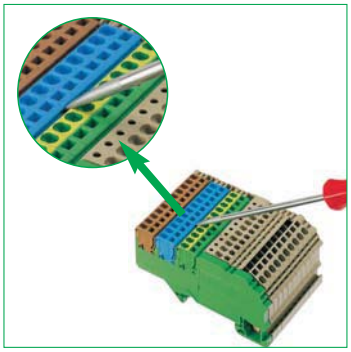
- Small size of connection mechanism
- PE connection is possible
- Concise labelling
- Connection of initiators and actuators
- A modular system for encoder and control signals
- 3- and 4-pole base terminals can be linked together to the required number of poles
- Potential distribution strips are colour-coded
- Compact design
- Available with or without status display
- The signal level can be cross-connected
- Potential distribution strip does not require additional cross-connection
- Quick assembly with top-down wire connection (TOP connection)
- Rated voltage of 400 V
- Available as individual terminal or assembled block terminal



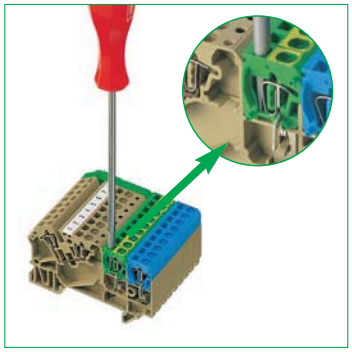
Pluggable cross-connection system **ZQI**, for the signal level, 2-10 poles (only **ZINI/ZAKTO**).



Potential distribution strip is simple to link and separate.



The **ZPL** potential distribution strip is easy to plug in or remove from the base terminal.



The TOP connection is easy to operate in cramped working conditions.

ZMP 1,5

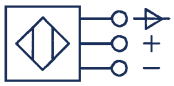
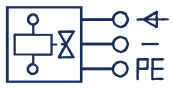
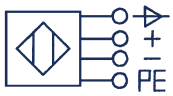
- Small size of connection mechanism
- Potential distribution strips are colour-coded
- Compact design
- Quick assembly with top-down wire connection (TOP connection)
- Rated voltage of 400 V

Block variants ZIZA

The individual terminals of the block variants are connected underneath each other with pegs. This results in increased design stability compared with individual terminals. All CONTA-CLIP block variants can be snapped on using their two snap-on feet on both the left and right sides of the terminals – for a quick and easy attachment with only one grip required. Removing the blocks is just as quick – using the connected feet with the help of a screw-driver. The standard block variants are available with 8, 9, 16 and 17 poles, as well as customer-specific versions up to 32 poles. The advantage of the block variants over the individual terminals is not only their better mechanical stability. They also help you to reduce inventory and installation times and thus lower your costs!

Initiator terminals / Actuator terminals ZINI/ZAKTO | Potential distribution system ZMP 1,5

Configuration options

ZINI/ ZAKTO	Base terminal ZIZA 1,5/3 3-wire	Base terminal ZIZA 1,5/3/LD 3-wire LED	Base terminal ZIZA 1,5/3 PE 3-wire	Base terminal ZIZA 1,5/4 4-wire	Base terminal ZIZA 1,5/4/LD 4-wire LED	Base terminal ZIZA 1,5/4/PE 4-wire LED
Configuration options for the **ZINI**/ **ZAKTO** individual components						
Cat. no.	**3528.2**	**3530.2**	**3532.2**	**3533.2**	**3536.2**	**3537.2**
						
3-wire initiator						
						
3-wire actuator						
						
3-wire initiator with PE						

ZMP	Base terminal ZMP 1,5					
Configuration options for the **ZMP** individual components						
ZINI/ZAKTO labelling adapter ZBA						
Additional labelling options	The **ZBA** labelling adapter is used to label the side-by-side ZPL potential distribution strips. The ZBA is also used to separate two different potentials within the ZPL slot on the base terminals.		In contrast to the ZBA 2, the **ZBA 2/Z** has pegs which form a mechanical (but electrically-separated) connection within a receiving channel!		The **ZBA 2/Z/H** features a larger labelling surface which also simplifies the task of separating the contact on the ZPL potential distribution strip from the base terminals!	

Potential distribution strips							PE				End plates
ZPL 1,5 beige	ZPL 1,5 red-brown	ZPL 1,5 blue	ZPL 1,5 yellow	ZPL 1,5 green	ZPL 1,5 orange	ZPL 1,5 red	ZPL 1,5 yellow/green	ZBA 2	ZBA 2/Z	ZBA 2/Z/H	
											ZAP/TW 1,5/3 **3746.2** ZAP/TW ZIZA 1,5/4 **3747.2**
3738.2	**3739.6**	**3742.5**	**3791.8**	**3792.1**	**3793.3**	**3739.9**	**3743.2**	**3786.2**	**3787.2**	**17036.2**	
											ZAP/TW 1,5/3 **3746.2** ZAP/TW ZIZA 1,5/4 **3747.2**
											ZAP/TW 1,5/3 **3746.2** ZAP/TW ZIZA 1,5/4 **3747.2**
											ZAP/TW 1,5/3 **3746.2** ZAP/TW ZIZA 1,5/4 **3747.2**

Potential distribution strips							PE				End plates
ZPL 1,5 beige	ZPL 1,5 red-brown	ZPL 1,5 blue	ZPL 1,5 yellow	ZPL 1,5 green	ZPL 1,5 orange	ZPL 1,5 red	ZPL 1,5 yellow/green				
											ZAP/ZMP **3785.2**

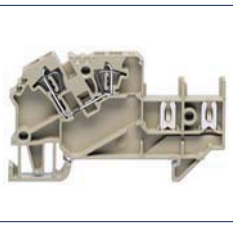
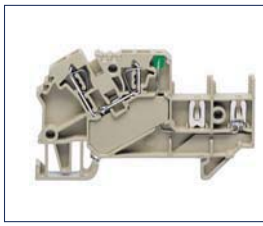
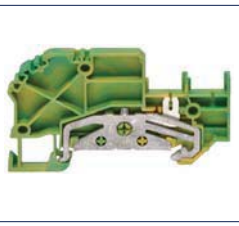
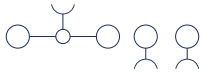
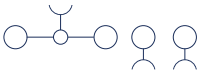
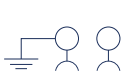
CAUTION! Because of their construction, the following must be observed for ZINI/ZAKTO:

Procedure for using PE base terminals

If the open side of the **PE** base terminal faces the right, then this must be set as the “first”. If the open side of the **PE** base terminal faces the left, then this must be set on the end.

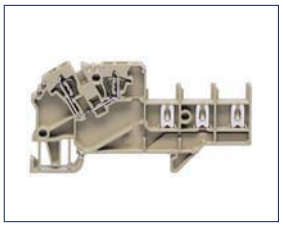
- The **PE**-potential distribution strip must (when needed) be inserted into the first position on the base terminal (directly adjacent to the signal level).
- When working with mixed assemblies (both 3- and 4-pole base terminals), the 3-pole terminal must be placed before the 4-pole terminal.

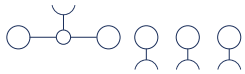
Initiator terminals | Actuator terminals ZIZA

Tension-spring connection system	ZIZA 1,5/3	ZIZA 1,5/3/LED	ZIZA 1,5/3/PE
			
• Foot can be snapped on TS35 DIN rails • Housing made from polyamide 6.6 UL 94-V0			
Connection diagram			
	Initiator / actuator terminals, 4 connections	Initiator / actuator terminals, 4 connections	Initiator / actuator terminals, 2 connections
Connection type	**Tension-spring**	**Tension-spring**	**Tension-spring**
Size (L x W x H) with TS 35 x 7.5 mm	68.7 x 5.1 x 40.5	68.7 x 5.1 x 40.5	68.7 x 5.1 x 40.5
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	ZIZA 1,5/3 BG	ZIZA 1,5/3/LED (RD) BG	ZIZA 1,5/3/PE GNYE
Cat. no.	**3528.2** 100	**3530.2** 100	**3532.2** 20
Type Block variants / individual terminals	ZIZA 1,5/3/B BG	ZIZA 1,5/3/B/LED (RD) BG	
Cat. no.	**3529.2** 50	**3531.2** 50	
Type Block variants / individual terminals			
Cat. no.			
Type Block variants / individual terminals			
Cat. no.			
Colours available	②	②	②
Rated data, in compliance	**IEC CSAus CSA**	**IEC CSAus CSA**	**IEC CSAus CSA**
Rated voltage, V	400 300 300	400 300 300	
Rated current, A	17.5 12.5 12.5	17.5 12.5 12.5	
Rated wire cross-section, mm² | AWG	1.5 | 26-14	1.5 | 26-14	1.5 | 26-14
Rated impulse voltage, kV | Contamination degree	4 | 3	4 | 3	4 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A1 | V0	A1 | V0	A1 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.5-2.5 | -	0.5-2.5 | -	0.5-2.5 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.5-2.5 | 0.5-1.5	0.5-2.5 | 0.5-1.5	0.5-2.5 | 0.5-1.5
Contact wire range, mm²	0.08-2.5	0.08-2.5	
Stripping length, mm	8	8	8
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels | Test pick-off	1 | -	1 | -	-
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
ZAP end plate	ZAP/TW ZIZA 1,5/3 BG	ZAP/TW ZIZA 1,5/3 BG	ZAP/TW ZIZA 1,5/3 BG
Cat. no.	**3746.2** 281 20	**3746.2** 281 20	**3746.2** 281 20
Label holder ZBA 2	ZBA 2 BG	ZBA 2 BG	
Cat. no.	**3786.2** 315 50	**3786.2** 315 50	
Label holder ZBA 2/Z	ZBA 2/Z BG	ZBA 2/Z BG	
Cat. no.	**3787.2** 315 50	**3787.2** 315 50	
Potential distribution strip ZPL	ZPL 1,5 BG	ZPL 1,5 BG	
Cat. no.	**3738.2** 175 100	**3738.2** 175 100	
Potential distribution strip ZPL	ZPL 1,5 RB	ZPL 1,5 RB	
Cat. no.	**3739.6** 174 100	**3739.6** 174 100	
Potential distribution strip ZPL	ZPL 1,5 RD	ZPL 1,5 RD	
Cat. no.	**3729.9** 174 10	**3729.9** 174 10	
Potential distribution strip ZPL	ZPL 1,5 BU	ZPL 1,5 BU	ZPL 1,5 PE GNYE
Cat. no.	**3742.5** 174 100	**3742.5** 174 100	**3743.2** 174 100
Potential distribution strip ZPL	ZPL 1,5 PE GNYE	ZPL 1,5 PE GNYE	
Cat. no.	**3743.2** 174 100	**3743.2** 174 100	
Potential distribution strip ZPL	ZPL 1,5 OG	ZPL 1,5 OG	
Cat. no.	**3793.3** 174 100	**3793.3** 174 100	
Potential distribution strip ZPL	ZPL 1,5 YE	ZPL 1,5 YE	
Cat. no.	**3791.8** 174 100	**3791.8** 174 100	
Potential distribution strip ZPL	ZPL 1,5 GN	ZPL 1,5 GN	
Cat. no.	**3792.1** 174 100	**3792.1** 174 100	
Insulated cross-connector ZQI	ZQI 2,5/2 YE	ZQI 2,5/2 YE	
Cat. no.	**3710.8** 308 xx	**3710.8** 308 xx	
Insulated cross-connector ZQI	ZQI 2,5/0.5w/99p YE	ZQI 2,5/0.5w/99p YE	
Cat. no.	**3719.8** 308 xx	**3719.8** 308 xx	
End stop ZES	ZES 35 BG	ZES 35 BG	ZES 35 BG
Cat. no.	**3748.2** 275 50	**3748.2** 275 50	**3748.2** 275 50
Test adapter ZTA	ZTA 1,5	ZTA 1,5	ZTA 1,5
Cat. no.	**17034.2** 320 10	**17034.2** 320 10	**17034.2** 320 10
Screwdriver SDB	SDB 0,5x3,0	SDB 0,5x3,0	SDB 0,5x3,0
Cat. no.	**1085.0** 422 1	**1085.0** 422 1	**1085.0** 422 1
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	**4600.7** 339 500	**4600.7** 339 500	**4600.7** 339 500

More accessories starting on page 264.

ZIZA 1,5/4





Initiator / actuator terminals, 5 connections

Tension-spring

82 x 5.1 x 40.5

	Qty.
ZIZA 1,5/4 BG **3533.2**	100
ZIZA 1,5/4/B **3534.2**	50

(2)

IEC	CSAus	CSA
400	300	300
17.5	12.5	12.5

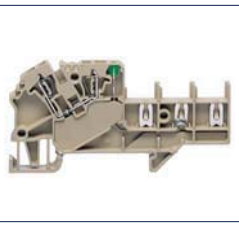
1.5 | 26-14
4 | 3
A1 | V0

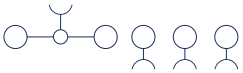
0.5-2.5 | -
0.5-2.5 | 0.5-1.5
0.08-2.5
8

PA 6.6 | -40 to +120°C
1 | -

	Page	Qty.
ZAP/TW ZIZA 1,5/4 BG **3747.2**	281	20
ZBA 2 BG **3786.2**	315	50
ZBA 2/Z BG **3787.2**	315	50
ZPL 1,5 BG **3738.2**	175	100
ZPL 1,5 RB **3739.6**	174	100
ZPL 1,5 RD **3729.9**	174	10
ZPL 1,5 BU **3742.5**	174	100
ZPL 1,5 PE GNYE **3743.2**	174	100
ZPL 1,5 OG **3793.3**	174	100
ZPL 1,5 YE **3791.8**	174	100
ZPL 1,5 GN **3792.1**	174	100
ZQI 2,5/2 YE **3710.8**	308	xx
ZQI 2,5/0.5w/99p YE **3719.8**	308	xx
ZES 35 BG **3748.2**	275	50
ZTA 1,5 **17034.2**	320	10
SDB 0,5x3,0 **1085.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

ZIZA 1,5/4/LED





Initiator / actuator terminals, 5 connections

Tension-spring

82 x 5.1 x 40.5

	Qty.
ZIZA 1,5/4/LED (RD) BG **3536.2**	100
ZIZA 1,5/4/B/LED (RD) BG **3535.2**	50

(2)

IEC	CSAus	CSA
400	300	300
17.5	12.5	12.5

1.5 | 26-14
4 | 3
A1 | V0

0.5-2.5 | -
0.5-2.5 | 0.5-1,5
0.08-2.5
8

PA 6.6 | -40 to +120°C
1 | -

	Page	Qty.
ZAP/TW ZIZA 1,5/4 BG **3747.2**	281	20
ZBA 2 BG **3786.2**	315	50
ZBA 2/Z BG **3787.2**	315	50
ZPL 1,5 BG **3738.2**	175	100
ZPL 1,5 RB **3739.6**	174	100
ZPL 1,5 RD **3739.9**	174	100
ZPL 1,5 BU **3742.5**	174	100
ZPL 1,5 PE GNYE **3743.2**	174	100
ZPL 1,5 OG **3793.3**	174	100
ZPL 1,5 YE **3791.8**	174	100
ZPL 1,5 GN **3792.1**	174	100
ZQI 2,5/2 YE **3710.8**	308	xx
ZQI 2,5/0.5w/99p YE **3719.8**	308	xx
ZES 35 BG **3748.2**	275	50
ZTA 1,5 **17034.2**	320	10
SDB 0,5x3,0 **1085.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

ZIZA 1,5/4/PE

Initiator / actuator terminals, 3 connections

Tension-spring

82 x 5.1 x 40.5

	Qty.
ZIZA 1,5/4/PE GNYE **3537.2**	20

(2)

IEC	CSAus	CSA

1.5 | 26-14
4 | 3
A1 | V0

0.5-2.5 | -
0.5-2.5 | 0.5-1,5
8

PA 6.6 | -40 to +120°C
-

	Page	Qty.
ZAP/TW ZIZA 1,5/4 BG **3747.2**	281	20
ZPL 1,5 RD **3729.9**	174	10
ZPL 1,5 PE GNYE **3743.2**	174	100
ZES 35 BG **3748.2**	275	50
SDB 0,5x3,0 **1085.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

ZMP 1,5

Patch panel, 4 connections

Tension-spring

68.7 x 5.1 x 40.5

	Qty.
ZMP 1,5 BG **3596.2**	50

(2)

IEC	CSAus	CSA
400	300	300
17.5	12.5	12.5

1.5 | 26-14
4 | 3
A1 | V0

8

PA 6.6 | -40 to +120°C
-

	Page	Qty.
ZAP ZMP BG **3785.2**	281	20
ZBA 2 BG **3786.2**	315	50
ZBA 2/Z BG **3787.2**	315	50
ZPL 1,5 BG **3738.2**	175	100
ZPL 1,5 RB **3739.6**	174	100
ZPL 1,5 BU **3742.5**	174	100
ZPL 1,5 OG **3793.3**	174	100
ZPL 1,5 YE **3791.8**	174	100
ZPL 1,5 GN **3792.1**	174	100
ZES 35 BG **3748.2**	275	50
ZTA 1,5 **17034.2**	320	10
SDB 0,5x3,0 **1085.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

ZPL 1,5

Potential distribution strip

Tension-spring

	Qty.
ZPL 1,5 BG **3738.2**	100

IEC	CSAus	CSA
400	300	300
17.5	12.5	12.5

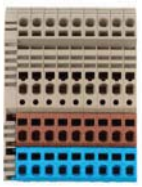
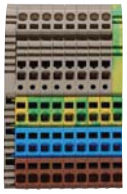
1.5 | 26-14
4 | 3
A1 | V0

0.5-2.5 | -
0.5-2.5 | 0.5-1,5
0.08-2.5
8

PA 6.6 | -40 to +120°C
-

	Page	Qty.
ZBA 2 BG **3786.2**	315	50
ZBA 2/Z BG **3787.2**	315	50
SDB 0,5x3,0 **1085.0**	422	1

Initiator terminals / Actuator terminals block version ZIZA

Tension-spring connection system	ZIZA 1,5/3/.../POL	ZIZA 1,5/3/.../POL/PE	ZIZA 1,5/4/.../POL/PE
			
• Foot can be snapped on TS35 DIN rails • Housing made from polyamide 6.6 UL 94-V0			
Connection diagram			
	Terminal block 4 connections per signal	Terminal block 4 connections per signal	Terminal block, 5 connections per signal

Connection type	Tension-spring			Tension-spring			Tension-spring		
Size (L x W x H) with TS 35 x 7.5, mm	68.7 x X x 40.5			68.7 x X x 40.5			82.5 x X x 40.5		
Type			**Qty.**			**Qty.**			**Qty.**
Type colour	ZIZA 1,5/3/9 POL			ZIZA 1,5/3/8 POL/PE			ZIZA 1,5/4/8 POL/PE		
Cat. no.	**3641.2**		5	**3550.2**		5	**3556.2**		5
Type Block variants / individual terminals	ZIZA 1,5/3/9 POL/LED (RD)			ZIZA 1,5/3/8 POL/LED (RD)/PE			ZIZA 1,5/4/8 POL/LED (RD)/PE		
Cat. no.	**3642.2**		5	**3551.2**		5	**3557.2**		5
Type Block variants / individual terminals	ZIZA 1,5/3/17 POL			ZIZA 1,5/3/16 POL/PE			ZIZA 1,5/4/16 POL/PE		
Cat. no.	**3643.2**		1	**3554.2**		1	**3560.2**		1
Type Block variants / individual terminals	ZIZA 1,5/3/17 POL/LED (RD)			ZIZA 1,5/3/16 POL/LED (RD)/PE			ZIZA 1,5/4/16 POL/LED (RD)/PE		
Cat. no.	**3644.2**		1	**3555.2**		1	**3561.2**		1
Colours available	②			②			②		
Ratings	**IEC**	**CSAus**	**CSA**	**IEC**	**CSAus**	**CSA**	**IEC**	**CSAus**	**CSA**
Rated voltage, V	400	300	300	400	300	300	400	300	300
Rated current, A	17.5	12.5	12.5	17.5	12.5	12.5	17.5	12.5	12.5
Rated wire cross-section, mm² | AWG	1.5 | 26-14			1.5 | 26-14			1.5 | 26-14		
Rated impulse voltage, kV | Contamination degree	4 | 3			4 | 3			4 | 3		
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A1 | V0			A1 | V0			A1 | V0		
Connection data									
Single wire (solid) | stranded (stranded) mm²	0.5-2.5 | -			0.5-2.5 | -			0.5-2.5 | -		
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.5-2.5 | 0.5-1,5			0.5-2.5 | 0.5-1,5			0.5-2.5 | 0.5-1,5		
Contact wire range, mm²	0.08-2.5			0.08-2.5			0.08-2.5		
Stripping length, mm	8			8			8		
Features									
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C			PA 6.6 | -40 to +120°C			PA 6.6 | -40 to +120°C		
Number of cross-connection channels | Test pick-off	1 | -			1 | -			1 | -		
Accessories		**Page**	**Qty.**		**Page**	**Qty.**		**Page**	**Qty.**
ZAP end plate **Cat. no.**									
Label holder ZBA 2 **Cat. no.**									
Label holder ZBA 2/Z **Cat. no.**									
Potential distribution strip ZPL **Cat. no.**									
Potential distribution strip ZPL **Cat. no.**									
Potential distribution strip ZPL **Cat. no.**									
Potential distribution strip ZPL **Cat. no.**									
Potential distribution strip ZPL **Cat. no.**									
Potential distribution strip ZPL **Cat. no.**									
Potential distribution strip ZPL **Cat. no.**									
Insulated cross-connector ZQI **Cat. no.**	ZQI 2,5/2 YE **3710.8**	308	50	ZQI 2,5/2 YE **3710.8**	308	50	ZQI 2,5/2 YE **3710.8**	308	50
Insulated cross-connector ZQI **Cat. no.**	ZQI 2,5/0.5w/99p YE **3719.8**	308	1	ZQI 2,5/0.5w/99p YE **3719.8**	308	1	ZQI 2,5/0.5w/99p YE **3719.8**	308	1
End stop ZES **Cat. no.**	ZES 35 BG **3748.2**	275	50	ZES 35 BG **3748.2**	275	50	ZES 35 BG **3748.2**	275	50
Test adapter ZTA **Cat. no.**	ZTA 1,5 **17034.2**	320	10	ZTA 1,5 **17034.2**	320	10	ZTA 1,5 **17034.2**	320	10
Screwdriver SDB **Cat. no.**	SDB 0,5x3,0 **1085.0**	422	1	SDB 0,5x3,0 **1085.0**	422	1	SDB 0,5x3,0 **1085.0**	422	1
Quick marking PMC SB **Cat. no.**	PMC SB 5/50 WH **4600.7**	339	500	PMC SB 5/50 WH **4600.7**	339	500	PMC SB 5/50 WH **4600.7**	339	500

More accessories starting on page 264.

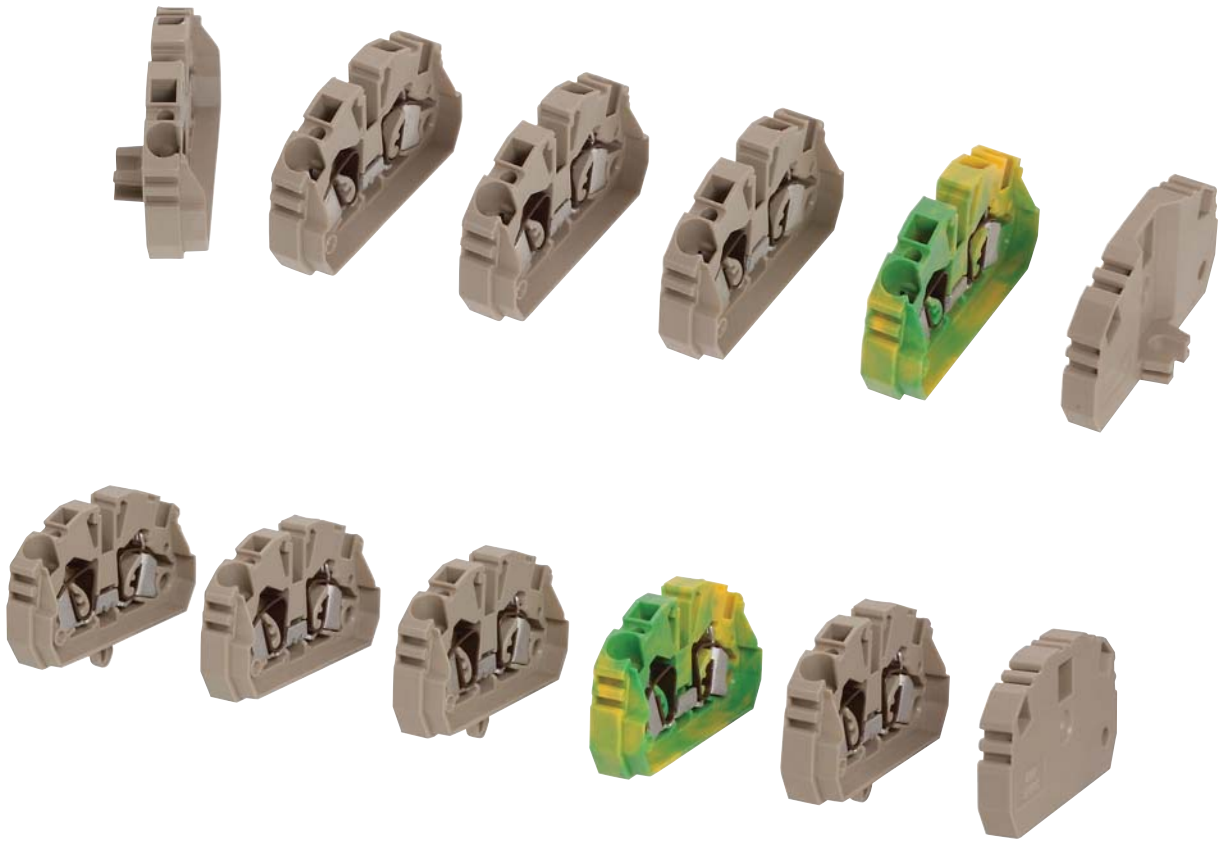
Compact terminal series for direct mounting ZSRK / ZSLN

The **ZSRK 2,5/2A/D/F** and **ZSRK 2,5/2A/RC** are direct-mount tension-spring terminals with interior cross-connection channels. The have a compact, modular design with a clamping range of 0.08 - 2.5 mm² and a rated voltage of 800 V. They allow you to mount a terminal block with the number of poles you need. This block can then be directly screwed on to the mounting plate (with the **ZSRK 2,5/2A/D/F**) or directly snapped on (with the **ZSRK 2,5/2A/RC**).

These direct-mount terminals can be used for series production and for installations in cramped working conditions.

Individual connection groupings or circuits can be visually separated from one other by the different housing colours. Potentials can be multiplied via the interior cross-connection channel with the **ZQI 2,5** standard cross-connections (available in 2 – 10 poles and 99 poles).

It is possible to label with the **SB** or **PMC** quick marking systems at each clamping point. If a cross-connection is not being used, that cross-connection channel can be used instead as a labelling channel. Clarity for wiring is ensured with a terminal width of only 5 mm and the tension-spring TOP connection.



Compact terminal series for direct mounting ZSRK | ZSLN

The features in detail

Direct-mount snap-in clip

The **ZSRK 2,5/2A/D/RC** terminal is attached to the start and end of the terminal block. The **ZSRK 2,5/2A/D** (corresponding to the number of poles required) is positioned between these two terminals. For terminals blocks with more than six poles, we recommend mounting a ZSRK **2,5/2A/D/RC** between the **ZSRK 2,5/2A/D**s. This ensures proper mechanical support.
The **ZAP-SR/RC** end plate is then snapped on to the end of this terminal block.

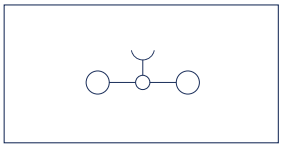
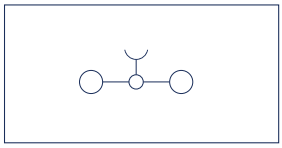
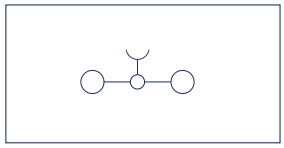
ZSRK 2,5 direct-mount with snap-in clip

Direct-mount screw flange

The **ZSRK 2,5/2A/D/F** terminal is mounted at the start of the terminal block and aligned with the **ZSRK 2,5/2A/D** terminals to the required number of poles. A **ZEH 1** end support is then snapped on to the end of this block. The starting terminal and the end support both have a screw flange so that the terminal block can be screwed directly on to the mounting surface using an M3 screw.

ZSRK 2,5 direct-mount with screw flange

Feed-through terminal ZSRK | Protective earth terminals ZSLN for direct mounting

Tension-spring connection system	ZSRK 2,5/2A/D	ZSLN 2,5/2A/D	ZSRK 2,5/2A-RC
• Direct mounting / snap-in clip / Screw flange • Housing made from polyamide 6.6 UL 94-V0			
Connection diagram			
	Feed-through terminal 2 connections	Feed-through terminal GNYE, 2 connections	Feed-though terminal with snap-in clip, 2 connections

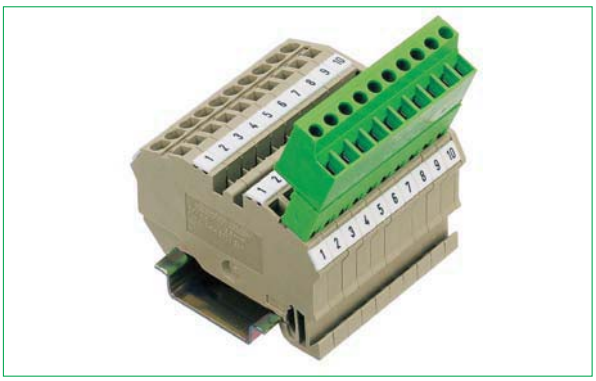
Connection type	Tension-spring	Tension-spring	Tension-spring
Size (L x W x H) direct mounting	40 x 5.1 x 24	40 x 5.1 x 24	40 x 5.1 x 24
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	ZSRK 2,5/2A-D BG	ZSLN 2,5/2A-D GNYE	ZSRK 2,5/2A-RC BG
Cat. no.	**3588.2** 100	**3638.2** 100	**3587.2** 100
Type colour	ZSRK 2,5/2A-D BU		ZSRK 2,5/2A-RC BU
Cat. no.	**3588.5** 100		**3587.5** 100
Type colour	ZSRK 2,5/2A-D OG		ZSRK 2,5/2A-RC OG
Cat. no.	**3588.3** 100		**3587.3** 100
Type colour			
Cat. no.			
Colours available	.2 .5 .3 .1 .8 .9	.2	.2 .5 .3 .1 .8 .9
Ratings	**IEC CSAus CSA**	**IEC CSAus CSA**	**IEC CSAus CSA**
Rated voltage, V	800 300 300		800 300 300
Rated current, A	24 20 20		24 20 20
Rated wire cross-section, mm² | AWG	2.5 | 20-12	2.5 | 20-12	2.5 | 20-12
Rated impulse voltage, kV | Contamination degree	8 kV | 3	8 kV | 3	8 kV | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V0	A3 | V0	A3 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.5-4 | -	0.5-4 | -	0.5-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5
Contact wire range, mm²	0.08-4	0.08-4	0.08-4
Stripping length, mm	10	10	10
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels | Test pick-off	1 | 2	1 | 2	1 | 2
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
ZAP end plate			ZAP SR/RC BG
Cat. no.			**3758.2** 280 50
Insulated cross-connector ZQI 2 poles	ZQI 2,5/2 YE	ZQI 2,5/2 YE	ZQI 2,5/2 YE
Cat. no.	**3710.8** 308 50	**3710.8** 308 50	**3710.8** 308 50
Insulated cross-connector ZQI 3 poles	ZQI 2,5/3 YE	ZQI 2,5/3 YE	ZQI 2,5/3 YE
Cat. no.	**3711.8** 308 50	**3711.8** 308 50	**3711.8** 308 50
Insulated cross-connector ZQI 4 poles	ZQI 2,5/4 YE	ZQI 2,5/4 YE	ZQI 2,5/4 YE
Cat. no.	**3712.8** 308 20	**3712.8** 308 20	**3712.8** 308 20
Insulated cross-connector ZQI 5 poles	ZQI 2,5/5 YE	ZQI 2,5/5 YE	ZQI 2,5/5 YE
Cat. no.	**3713.8** 308 20	**3713.8** 308 20	**3713.8** 308 20
Insulated cross-connector ZQI 6 poles	ZQI 2,5/6 YE	ZQI 2,5/6 YE	ZQI 2,5/6 YE
Cat. no.	**3714.8** 308 20	**3714.8** 308 20	**3714.8** 308 20
Insulated cross-connector ZQI 7 poles	ZQI 2,5/7 YE	ZQI 2,5/7 YE	ZQI 2,5/7 YE
Cat. no.	**3715.8** 308 20	**3715.8** 308 20	**3715.8** 308 20
Insulated cross-connector ZQI 8 poles	ZQI 2,5/8 YE	ZQI 2,5/8 YE	ZQI 2,5/8 YE
Cat. no.	**3716.8** 308 10	**3716.8** 308 10	**3716.8** 308 10
Insulated cross-connector ZQI 9 poles	ZQI 2,5/9 YE	ZQI 2,5/9 YE	ZQI 2,5/9 YE
Cat. no.	**3717.8** 308 10	**3717.8** 308 10	**3717.8** 308 10
Insulated cross-connector ZQI 10 poles	ZQI 2,5/10 YE	ZQI 2,5/10 YE	ZQI 2,5/10 YE
Cat. no.	**3718.8** 308 10	**3718.8** 308 10	**3718.8** 308 10
Insulated cross-connector ZQI	ZQI 2,5/0.5 m/99 poles YE	ZQI 2,5/0.5 m/99 poles YE	ZQI 2,5/0.5 m/99 poles YE
Cat. no.	**3719.8** 308 1	**3719.8** 308 1	**3719.8** 308 1
Four-way cover ZAD	ZAD 2,5/4/B YE	ZAD 2,5/4/B YE	ZAD 2,5/4/B YE
Cat. no.	**3706.0** 315 20	**3706.0** 315 20	**3706.0** 315 20
.Metal actuating tool BWMA	BWMA 1 (0.5x3.5mm)	BWMA 1 (0.5x3.5mm)	BWMA 1 (0.5x3.5mm)
Cat. no.	**3808.0** 328 1	**3808.0** 328 1	**3808.0** 328 1
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	**4600.7** 339 500	**4600.7** 339 500	**4600.7** 339 500
Test plug	ZTA 2,5	ZTA 2,5	ZTA 2,5
Cat. no.	**3740.2** 320 10	**3740.2** 320 10	**3740.2** 320 10

More accessories starting on page 264.

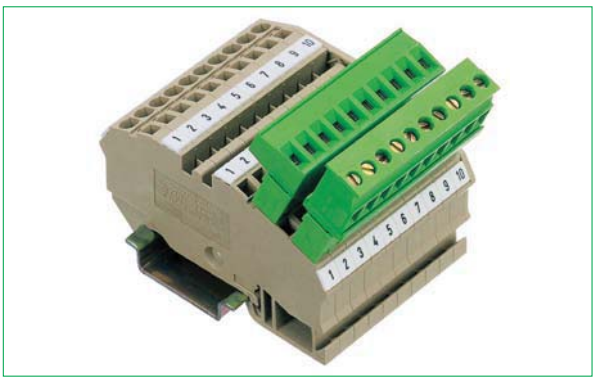
ZSLN 2,5/2A/RC	ZSRK 2,5/2A-D/F	ZSLN 2,5/2A-D/F	ZEH 1	
Feed-through terminal with snap-in clip, GN/YE, 2 connections	Feed-though terminal with screw flange, 2 connections	Feed-through terminal with screw flange, GN/YE, 2 connections	End support with screw flange	
Tension-spring	**Tension-spring**	**Tension-spring**	**Tension-spring**	
40 x 5.1 x 24	40 x 11.1 x 24	40 x 11.1 x 24	40 x 11.1 x 24	
Qty.	**Qty.**	**Qty.**	**Qty.**	
ZSLN 2,5/2A-RC GNYE **3639.2** 100	ZSRK 2,5/2A-D/F BG **3595.2** 50 ZSRK 2,5/2A-D/F BU **3595.5** 50 ZSRK 2,5/2A-D/F OG **3595.3** 50	ZSLN 2,5/2A-D/F GNYE **3640.2** 50	ZEH 1 BG **3759.2** 50 ZEH 1 BU **3759.5** 50 ZEH 1 OG **3759.3** 50	
.2	.2 .5 .3 .1	.2	.2 .5 .3 .1	
IEC CSAus CSA	IEC CSAus CSA	IEC CSAus CSA		
	800 300 300			
	24 20 20			
2.5 | 20-12	2.5 | 20-12	2.5 | 20-12		
8 kV | 3	8 kV | 3	8 kV | 3		
A3 | V0	A3 | V0	A3 | V0		
0.5-4 | -	0.5-4 | -	0.5-4 | -		
0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5		
0.08-4	0.08-4	0.08-4		
10	10	10		
PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C		
1 | 2	1 | 2	1 | 2		
Page Qty.	Page Qty.	Page Qty.	Page Qty.	
ZAP SR/RC GN **3758.1** 280 50				
ZQI 2,5/2 YE **3710.8** 308 50	ZQI 2,5/2 YE **3710.8** 308 50	ZQI 2,5/2 YE **3710.8** 308 50		
ZQI 2,5/3 YE **3711.8** 308 50	ZQI 2,5/3 YE **3711.8** 308 50	ZQI 2,5/3 YE **3711.8** 308 50		
ZQI 2,5/4 YE **3712.8** 308 20	ZQI 2,5/4 YE **3712.8** 308 20	ZQI 2,5/4 YE **3712.8** 308 20		
ZQI 2,5/5 YE **3713.8** 308 20	ZQI 2,5/5 YE **3713.8** 308 20	ZQI 2,5/5 YE **3713.8** 308 20		
ZQI 2,5/6 YE **3714.8** 308 20	ZQI 2,5/6 YE **3714.8** 308 20	ZQI 2,5/6 YE **3714.8** 308 20		
ZQI 2,5/7 YE **3715.8** 308 20	ZQI 2,5/7 YE **3715.8** 308 20	ZQI 2,5/7 YE **3715.8** 308 20		
ZQI 2,5/8 YE **3716.8** 308 10	ZQI 2,5/8 YE **3716.8** 308 10	ZQI 2,5/8 YE **3716.8** 308 10		
ZQI 2,5/9 YE **3717.8** 308 10	ZQI 2,5/9 YE **3717.8** 308 10	ZQI 2,5/9 YE **3717.8** 308 10		
ZQI 2,5/10 YE **3718.8** 308 10	ZQI 2,5/10 YE **3718.8** 308 10	ZQI 2,5/10 YE **3718.8** 308 10		
ZQI 2,5/0.5 m/99 poles YE **3719.8** 308 1	ZQI 2,5/0.5 m/99 poles YE **3719.8** 308 1	ZQI 2,5/0.5 m/99 poles YE **3719.8** 308 1		
ZAD 2,5/4/B YE **3706.0** 315 20	ZAD 2,5/4/B YE **3706.0** 315 20	ZAD 2,5/4/B YE **3706.0** 315 20		
BWMA 1 (0.5x3.5mm) **3808.0** 328 1	BWMA 1 (0.5x3.5mm) **3808.0** 328 1	BWMA 1 (0.5x3.5mm) **3808.0** 328 1		
PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500	
ZTA 2,5 **3740.2** 320 10	ZTA 2,5 **3740.2** 320 10	ZTA 2,5 **3740.2** 320 10		

Plug adapter for the ZRK tension-spring connection system in 5.08-mm pitch

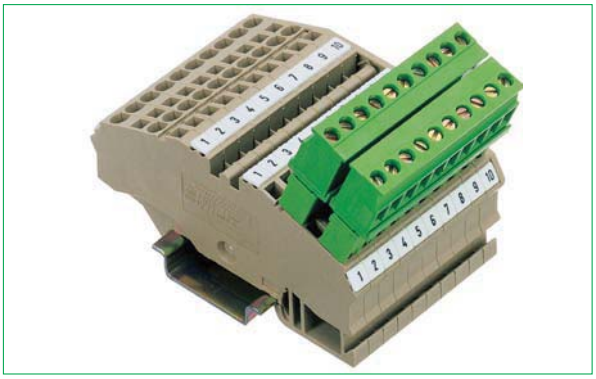
CONTA-CONNECT together with CONTA-CON



ZRK 2,5/2A combined with the STL 950/10/5,08-G-L

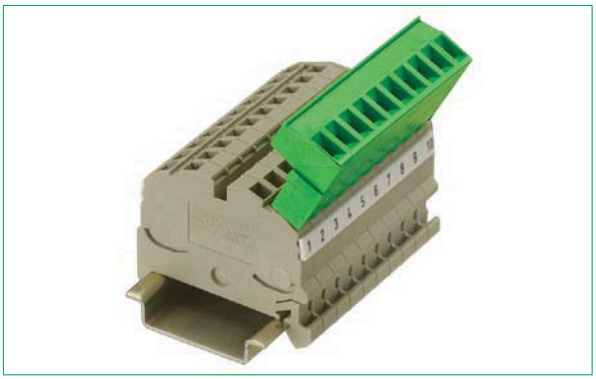


ZRK 2,5/3A combined with the STL 950/10/5,08-G-L



ZRK 2,5/4A combined with the STL 950/10/5,08-G-L

ZRKD 2,5 combined with the STL 950/10/5,08-G-L



ZSRK 2,5/2A with STL 950/10/5,08-G-L

ZSRK 2,5/3A with the BW 10 actuating tool

The standard **ZSRK 2,5**, **ZRK 2,5** and **ZRKD 2,5** tension-spring terminals from the **CONTA-CONNECT** line can be retroactively converted to pluggable versions by using the STL 950/.../5,08-V-G-L male pin headers.

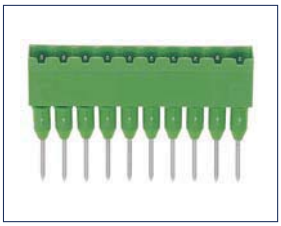
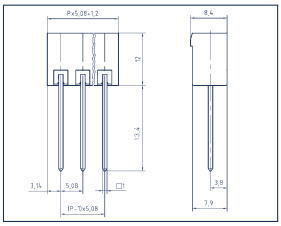
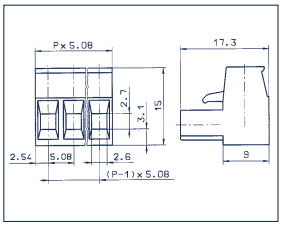
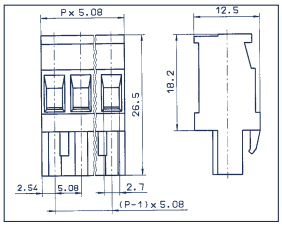
It is quick and easy to connect each connection level with the pin header.

The BW actuating tool (available in 1 to 10 poles) can be used to open up to ten springs simultaneously. This simplifies and accelerates the installation process.

The combination of the **ZRK** tension-spring technology and the **CONTA-CON** PCB connectors results in a dramatic reduction in expensive final-assembly overhead. It also enables quick replacements during maintenance and commissioning work. Coding without pole loss is possible with all combinations. (Refer to the coding section of the **CONTA-CON** Catalogue.)

Note: With voltage up to 42 V, connectors may only be plugged in or disconnected when under no load. When assembling the output side of the tension-spring terminals with **STL 950/.../5,08-G-L** pin headers, the rated voltage must not exceed 50 V since the live-voltage pin headers offer no touch-safe protection when unplugged.

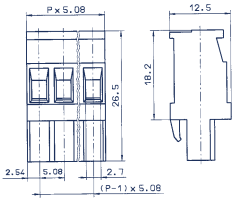
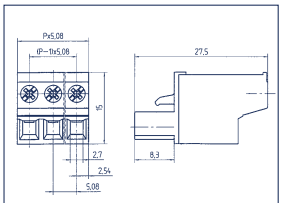
Plug adapter for the ZRK tension-spring connection system in 5.08-mm pitch

Tension-spring connection system	STL 950/.../5,08-G-L	PKB 950/.../5,08	PKB 1100/.../5,08
			
colour: green, RAL 6018 • Housing made from polyamide 6.6 UL 94-V0			
Diagram			

Dimensions									
		Pole count x 5.08 + 1.2			Pole count x 5.08			Pole count x 5.08	
Type				**Qty.**			**Qty.**		**Qty.**
Cat. no. / Type colour	2 poles	STL 950/2/5,08-G-L GN	**13154.1**	50	PKB 950/2/5,08 GN	**11230.1**	50	PKB 1100/2/5,08 GN	**11305.1** 50
Cat. no. / Type colour	3 poles	STL 950/3/5,08-G-L GN	**13155.1**	50	PKB 950/3/5,08 GN	**11231.1**	50	PKB 1100/3/5,08 GN	**11306.1** 50
Cat. no. / Type colour	4 poles	STL 950/4/5,08-G-L GN	**13156.1**	50	PKB 950/4/5,08 GN	**11232.1**	50	PKB 1100/4/5,08 GN	**11307.1** 50
Cat. no. / Type colour	5 poles	STL 950/5/5,08-G-L GN	**13157.1**	50	PKB 950/5/5,08 GN	**11233.1**	50	PKB 1100/5/5,08 GN	**11308.1** 50
Cat. no. / Type colour	6 poles	STL 950/6/5,08-G-L GN	**13158.1**	50	PKB 950/6/5,08 GN	**11234.1**	50	PKB 1100/6/5,08 GN	**11309.1** 50
Cat. no. / Type colour	7 poles	STL 950/7/5,08-G-L GN	**13159.1**	50	PKB 950/7/5,08 GN	**11235.1**	50	PKB 1100/7/5,08 GN	**11310.1** 50
Cat. no. / Type colour	8 poles	STL 950/8/5,08-G-L GN	**13160.1**	50	PKB 950/8/5,08 GN	**11236.1**	50	PKB 1100/8/5,08 GN	**11311.1** 50
Cat. no. / Type colour	9 poles	STL 950/9/5,08-G-L GN	**13161.1**	50	PKB 950/9/5,08 GN	**11237.1**	50	PKB 1100/9/5,08 GN	**11312.1** 50
Cat. no. / Type colour	10 poles	STL 950/10/5,08-G-L GN	**13162.1**	50	PKB 950/10/5,08 GN	**11238.1**	50	PKB 1100/10/5,08 GN	**11313.1** 50
Colours available		.1			.1			.1	
Ratings		**IEC**	**UL**	**VDE**	**IEC**	**UL**	**VDE**	**IEC**	**UL** **VDE**
Rated voltage, V		250	300	250	250	300	250	250	300 250
Rated current, A		12	15	12 (T60)	12	15	12 (T60)	12	15 12 (T60)
Rated wire cross-section, mm² | AWG		-	-	-	-	2.5 I 22-12	-	-	2.5 I 22-12 -
Rated impulse voltage, kV | Contamination degree			4 | 3			4 | 3			4 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94			- I V0			- I V0			- I V0
Connection data									
Single wire (solid) | stranded (stranded) mm²			-			0.2 - 2.5 I -			0.2 - 2.5 I -
stranded | stranded (with ferrules acc. to DIN 46 228/1) mm²			-			0.2 - 2.5 I 0.2 - 2.5			0.2 - 2.5 I 0.2 - 2.5
Contact wire range, mm²			-			0.08 - 2.5			0.08 - 2.5
Stripping length, mm			-			6			7
Torque, Nm | Screw			-			0.5 I Slotted M3			0.5 I Slotted M3
Special connection			-			-			-
Features									
Material of insulated housing | Temperature range		PA 6.6 | -30 to +105°C			PA 6.6 | -30 to +105°C			PA 6.6 | -30 to +105°C	
Number of cross-connection channels | Test pick-off option			-			-			-
Accessories				**Page Qty.**			**Page Qty.**		**Page Qty.**
Coding K **Cat. no.**		K2 RD **12003.9**	-	100	K1 RD **12002.9**	-	100	K1 RD **12002.9**	- 100
labelling card BK **Cat. no.**		BK 1-12/5,08 **2960.0**	-	10	BK 1-12/5,08 **2960.0**	-	10	BK 1-12/5,08 **2960.0**	- 10
labelling card BK **Cat. no.**		BK 13-24/5,08 **2961.0**	-	10	BK 13-24/5,08 **2961.0**	-	10	BK 13-24/5,08 **2961.0**	- 10
Dummy plug BLS **Cat. no.**		BLS-STL GN **13284.1**	-	100					
For terminal									
		ZSRK 2,5... ZSLN 2,5... ZRK 2,5... ZSL 2,5...							
		ZRKD 2,5... ZSLD 2,5... ZIKD 2,5... ZTRK 2,5...							
		ZVMAK 2,5							

More accessories starting on page 264.

Plug adapter for the ZRK tension-spring connection system in 5.08-mm pitch

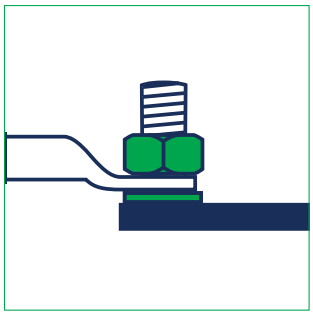
Tension-spring connection system	PKB 1110/.../5,08	PBT 1200/.../5,08	BW
Colour: green, RAL 6018 Housing made from polyamide 6.6 UL 94-V0			

Dimensions									
		Pole count x 5.08			Pole count x 5.08			-	
		Cat. no.		Qty.	Cat. no.		Qty.	Cat. no.	Qty.
Type colour	2 poles	PKB 1110/2/5,08 GN	**11339.1**	50	PBT 1200/2/5,08 GN	**11354.1**	50	BW 2 (ZRK) **3779.0**	1
Type colour	3 poles	PKB 1110/3/5,08 GN	**11340.1**	50	PBT 1200/3/5,08 GN	**11355.1**	50	BW 3 (ZRK) **3780.0**	1
Type colour	4 poles	PKB 1110/4/5,08 GN	**11341.1**	50	PBT 1200/4/5,08 GN	**11356.1**	50	BW 4 (ZRK) **3781.0**	1
Type colour	5 poles	PKB 1110/5/5,08 GN	**11342.1**	50	PBT 1200/5/5,08 GN	**11357.1**	50	BW 5 (ZRK) **3782.0**	1
Type colour	6 poles	PKB 1110/6/5,08 GN	**11343.1**	50	PBT 1200/6/5,08 GN	**11358.1**	50	BW 6 (ZRK) **3802.0**	1
Type colour	7 poles	PKB 1110/7/5,08 GN	**11344.1**	50	PBT 1200/7/5,08 GN	**11359.1**	50	BW 7 (ZRK) **3803.0**	1
Type colour	8 poles	PKB 1110/8/5,08 GN	**11345.1**	50	PBT 1200/8/5,08 GN	**11360.1**	50	BW 8 (ZRK) **3804.0**	1
Type colour	9 poles	PKB 1110/9/5,08 GN	**11346.1**	50	PBT 1200/9/5,08 GN	**11361.1**	50	BW 9 (ZRK) **3805.0**	1
Type colour	10 poles	PKB 1110/10/5,08 GN	**11347.1**	50	PBT 1200/10/5,08 GN	**11362.1**	50	BW 10 (ZRK) **3806.0**	1

Colours available		.1			.1			.1		
Ratings		**IEC**	**UL**	**VDE**	**IEC**	**UL**	**VDE**	**IEC**	**UL**	**VDE**
Rated voltage, V		250	300	250	250	300	250			
Rated current, A		12	15	12 (T60)	12	15	12 (T60)			
Rated wire cross-section, mm² | AWG		-	2,5 I 22-12	-	-	2,5 I 22-12	-			
Rated impulse voltage, kV | Contamination degree		4 | 3			4 | 3				
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94		- I V0			- I V0					
Connection data										
Single wire (solid) | stranded (stranded) mm²		0.2 - 2.5 I -			0.2 - 2.5 I -					
stranded | stranded (with ferrules acc. to DIN 46 228/1) mm²		0.2 - 2.5 I 0.2 - 2.5			0.2 - 2.5 I 0.2 - 2.5					
Contact wire range, mm²		0.08 - 2.5			0.08 - 2.5					
Stripping length, mm		7			10					
Torque, Nm | Screw		0.5 I Slotted M3			0.5 I Slotted M2.5					
Special connection		-			-					
Features										
Material of insulated housing | Temperature range		PA 6.6 | -30 to +105°C			PA 6.6 | -30 to +105°C			-		
Number of cross-connection channels | Test pick-off option		-			-			-		
Accessories				**Page Qty.**			**Page Qty.**			**Qty.**
Coding K **Cat. no.**		K2 RD **12003.9**		- 100	K1 RD **12002.9**		- 100			
labelling card BK **Cat. no.**		BK 1-12/5,08 **2960.0**		- 10	BK 1-12/5,08 **2960.0**		- 10			
labelling card BK **Cat. no.**		BK 13-24/5,08 **2961.0**		- 10	BK 13-24/5,08 **2961.0**		- 10			
Dummy plug BLS **Cat. no.**										
For terminal										

More accessories starting on page 264.

Stud connection system HSK



The newest generation of stud terminals from **CONTA-CLIP** offers secure connections for all energy-transmitting applications. Depending on the conductor cross-section, stud terminals can be used with threaded studs from **M5** to **M12**. The rated current ranges from 76 A to 269 A with a rated voltage of 1000 V. The wire connection range is from 0,2 mm² to 120 mm². Wires with crimped cable lugs are applied to threaded bolts and then connected securely by tightening the hex nut. Optimal security is guaranteed by the low voltage drop and by the use of self-extinguishing material with a V0 (UL94) flammability rating.

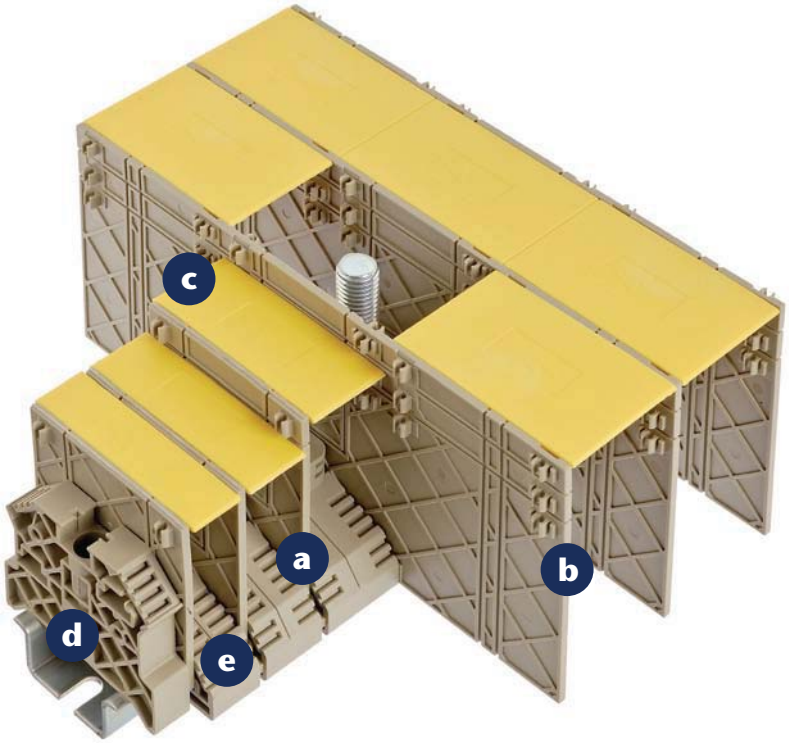
Designed for mounting onto **TS 35** DIN rails, the stud terminals can be adapted with accessories such as **TW** partitions and **AD** covers to suit application requirements. These products are easy to use. They also stand out with their cost-optimized line of accessories which results in reduced storage costs and assembly times.

Stud connection system HSK

Features

a **Base terminal HSK**
CONTA-CLIP stud terminals can be arranged as required on standard **TS 35** DIN rails in accordance with EN 60715.

b **Partition plates TW**
Special **TW** partitions can be securely snapped into the terminal housing. This allows for good visual and electrical separation of the terminals. In addition, they are ready for fitting with snap-on covers.



c **Covers AD**
The **AD** covers can be snapped on, simply and securely, to the matching clips in the partitions. In this quick and reliable way, touch-safe protection of the terminal points is always guaranteed.

d **End stop ES 35/K/ST**
The **ES 35/K/ST** end stop grips both sides of the DIN rail with steel clamps. They are a secure method of mechanical attachment in terminal rail design. The plastic PA 6.6 housing of the brackets encapsulates the metal parts.

Handling

1 Stud terminals:
Up to four wires can be connected easily. Cable lugs are crimped onto the wire ends to facilitate the connection. The cable lugs should be aligned opposite each other when there are multiple lugs per side. When the nut is tightened, the flats of the cable lugs clamp together and a secure connection is ensured.

2 Stud terminals:
Cable lugs are crimped onto the wire ends to facilitate the connection. The cable lugs are placed on the studs between the shake-proof washer and the busbar. The cable lugs should be aligned opposite each other when there are two lugs per stud. When the nut is tightened, the flats of the cable lugs clamp together and a secure connection is ensured.

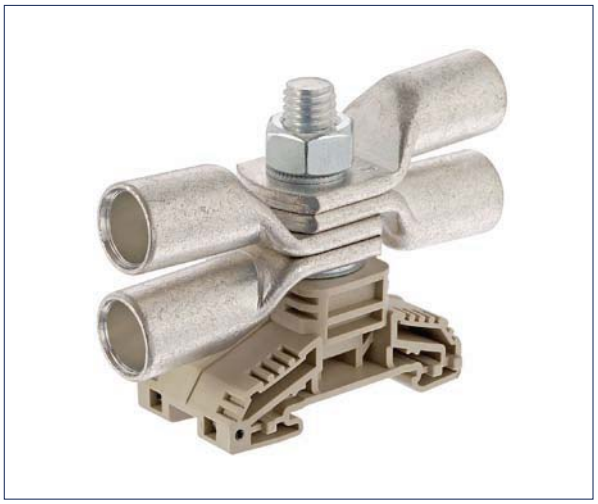
e **Labelling | Marking**
The stud terminals have a labelling surface which is optimally suited for our Pocket-Maxicard **PMC** (**PMC BSTR 6/30**) standard marking systems.

High-power stud terminals HSK

The features in detail

Stud connection

- Stud sizes from M5 to M12
- Wire with cable lug acc. to DIN 46234 up to 120 mm^2
- Up to four cable lugs per stud can be connected



Easy to use

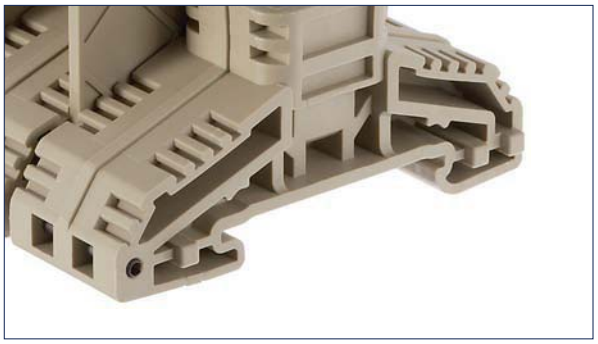
- One-stud terminals: Put the cable lug on the stud between the base washer and the shake-proof washer
- Twin-stud terminals: Put the cable lug on the stud between the busbar and the shake-proof washer
- By tightening the steel nut, the cable lug forms a contact with the other cable lug or with the busbar. (B/B versions)

Cross-connections

- 2- and 3-pole designs
- Potential distribution between the different sizes is possible Designed for the rated current of the corresponding stud terminal
- Clearly saves time with quick potential distribution

Terminal carriers made from Polyamide 6.6 V0

- Self-extinguishing, UL94-V0 flammability class
- Creepage-current protected, CTI = 600
- Temperature resistance: -40° to +120°C
- Spec. contact resistance: 10^{13} Ohm/cm
- Spec. surface resistance: 10^{15} Ohm/cm
- Temp. index, mechanical: 120°C (at 0.8 mm)
- Temp. index, electrical: 120°C (at 0.8 mm)
- Relative temperature index, electrical: 130°C (at 0.8 mm)
- Pollutant-free



Secure handling

- Touch-protection provided by partitions and yellow covers

Secure contacts

- Maintenance-free, later tightening of the nut is not needed
- High contact strength and vibration resistance from the safety/spring washer
- Direct contact of cable lugs, or contact via copper busbar

Standards

The following standard terminal block requirements are fulfilled:

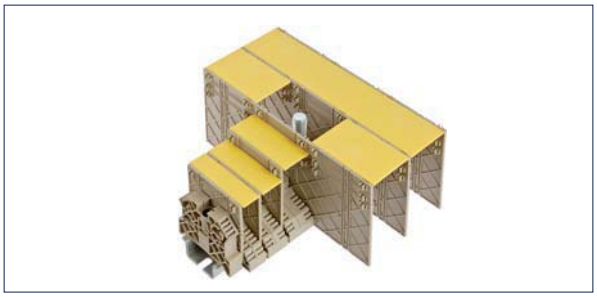
- EN 60947-7-1
- EN 50124-1
- DIN EN 61373

High-power stud terminals HSK

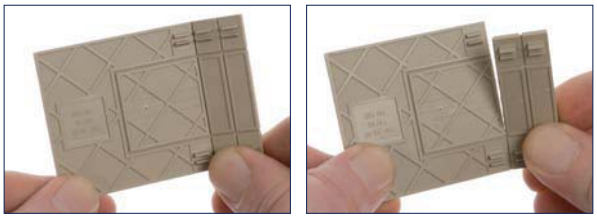
Handling and accessories

The use of TW partition plates

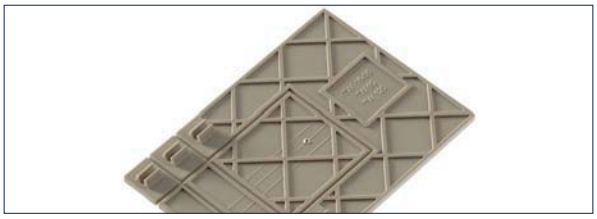
The **HSK...B** single-stud terminals and the **HSK...B/B** twin-stud versions make use of two **TW** partitions. The partitions can be adjusted to the rated cross-section by using the predetermined breakage points. For your further assistance, the **TW** partitions list the cross-section range and additional dimension lines. Remember that the clearance and creepage distances for a rated voltage of 1000 V, dependent on the corresponding cross-section, must be followed.



HSK installed with TW partition plate and AD cover



Simple breaking off of the TW partition



TW partition with dimension lines

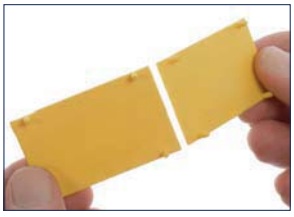
Snapping on the partition plates to the HSK high-power stud terminals

You can snap on the **TW** partition plates and the **HSK** stud terminals by using the locking pegs on the partition. The pegs lock into the foot of the stud terminals.

Snapping together the TW partition with a high-power HSK stud terminal

Using the AD covers

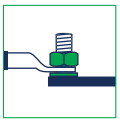
An individual **AD** cover is available for each width of stud terminal. Their length takes into consideration the creepage and clearance distances on the twin-stud terminals. If the covers are to be used with the one-stud versions, you can shorten the cover by breaking it along the breakage points. For your further assistance, the **AD** covers have additional dimension lines on them. Locking pegs are used to mount the **AD** cover. The cover snaps in securely from above to the **TW** partition plates. Thus a high degree of touch-safety is guaranteed.



Simple breakage with the AD cover

AD cover with dimension lines

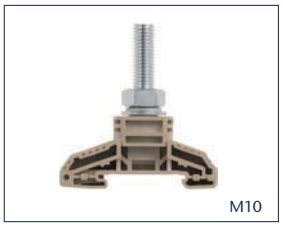
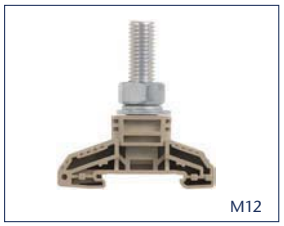
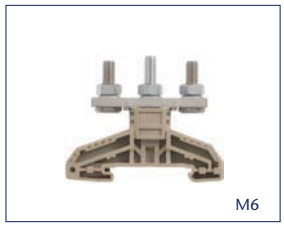
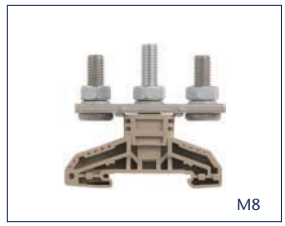
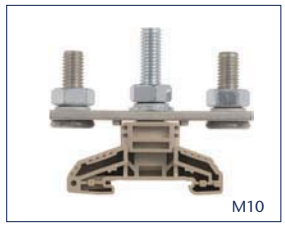
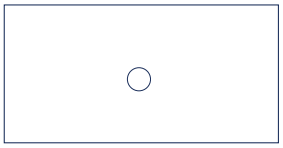
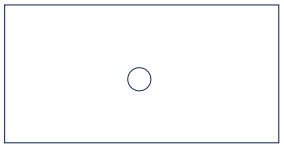
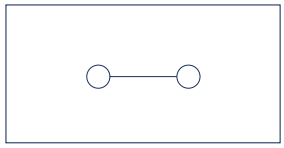
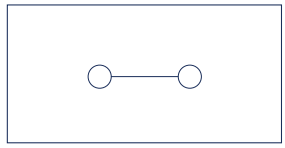
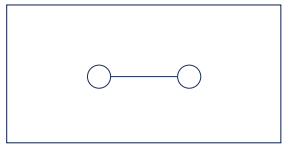
High-power stud terminals HSK



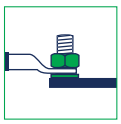
- Foot can be snapped on TS 35 DIN rail
- Stud connection
- Housing made from polyamide 6.6 UL 94-V0

Stud connection system	HSK 16/M5 B	HSK 35/M6 B	HSK 50/M8 B
	M5	M6	M8
	○	○	○
	High-power terminal 1 connection	High-power terminal 1 connection	High-power terminal 1 connection
Connection type	**Stud connection**	**Stud connection**	**Stud connection**
Size (L x W x H) with TS 35 x 7.5 mm	67 x 13 x 55.5	67 x 16 x 55.5	67 x 21 x 63.5
Size (L x W x H) with TS 35 x 7.5 mm with TW/AH	67 x 13 x 58	67 x 16 x 58	67 x 21 x 66
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	HSK 16/M5 B BG	HSK 35/M6 B BG	HSK 50/M8 B BG
Cat. no.	**17000.2** 10	**17001.2** 10	**17002.2** 10
Colours available	.2	.2	.2
Rated data, in compliance (Approvals on page xxx)	**IEC CSAus CSA**	**IEC CSAus CSA**	**IEC CSAus CSA**
Rated voltage, V	1000 1000 1000	1000 1000 1000	1000 1000 1000
Rated current, A	76 60 60	125 115 115	150 125 125
Rated cross-section mm²/AWG	16 | 10-0	35 | 14-2	50 | 14-1/0
Rated surge voltage kV / Contamination degree	8 | 3	8 | 3	8 | 3
Plug gauge acc. to EN 60947-1/flamm. class UL 94	- | V0	- | V0	- | V0
Connection data			
Contact wire range, mm²	≤ 16	≤ 35	≤ 50
Stud size	M5	M6	M8
Clampable cable lug			
DIN 46234/1 cable lug per side mm	0,1 - 16	2,5 - 35	2,5 - 50
DIN 46234/2 cable lugs per side mm	0,1 - 16	2,5 - 35	2,5 - 50
DIN 46235/1 cable lug per side mm	6,0 - 10	6,0 - 35	6,0 - 35
DIN 46235/2 cable lugs per side mm	6,0 - 10	6,0 - 25	6,0 - 35
Torque, Nm	2,0 - 4,0 8,5	3,0 - 6,0 12,4	6,0 - 12 16,9
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels | Test pick-off	1 | -	1 | -	1 | -
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Partition plate TW up to 1000 V **Cat. no.**	TW 16-120 BG **17018.2** 316 20	TW 16-120 BG **17018.2** 316 20	TW 16-120 BG **17018.2** 316 20
Partition plate TW up to 1000 V for insul. cable lugs **Cat. no.**			
AD cover profile **Cat. no.**	AD 16 YE **17019.8** 312 20	AD 35 YE **17020.8** 312 20	AD 50 YE **17021.8** 312 20
Cross-connector Q 2 poles **Cat. no.**	Q2/16 **17008.0** 298 10	Q2/35 **17010.0** 298 10	Q2/50 **17012.0** 298 10
Cross-connector Q 3 poles **Cat. no.**	Q3/16 **17009.0** 298 10	Q3/35 **17011.0** 298 10	Q3/50 **17013.0** 298 10
Cross-connector Q, from M6 to M8 2 poles **Cat. no.**		Q2 HSK 35/M6 - M8 **17028.2** 299	Q2 HSK 35/M6 - M8 **17028.2** 299
Cross-connector Q, from M6 to M10 3 poles **Cat. no.**		Q3 HSK 35/M6 - M10/2 **17029.2** 299	
End stop ES **Cat. no.**	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50
Quick marking PMC SB **Cat. no.**	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500

More accessories starting on page 264.

HSK 120/M10 B	HSK 120/M12 B	HSK 35/M6 B/B	HSK 50/M8 B/B	HSK 120/M10 B/B
 M10	 M12	 M6	 M8	 M10
				
High-power terminal 1 connection	High-power terminal 1 connection	High-power terminal 2 connections	High-power terminal 2 connections	High-power terminal 2 connections
Stud connection	**Stud connection**	**Stud connection**	**Stud connection**	**Stud connection**
67 x 32 x 73.5 67 x 32 x 76	67 x 32 x 73.5 67 x 32 x 76	67 x 16 x 55.5 67 x 16 x 61.5	67 x 21 x 63.5 120 x 21 x 71.5	67 x 32 x 73.5 156 x 32 x 78.5
Qty.	**Qty.**	**Qty.**	**Qty.**	**Qty.**
HSK 120/M10 B BG **17003.2** 10	HSK 120/M12 B BG **17004.2** 10	HSK 35/M6 B/B BG **17005.2** 10	HSK 50/M8 B/B BG **17006.2** 10	HSK 120/M10 B/B BG **17007.2** 10
.2	.2	.2	.2	.2
IEC UL CSA	**IEC UL CSA**	**IEC UL CSA**	**IEC UL CSA**	**IEC UL CSA**
1000 1000	1000 1000	1000 1000	1000 1000	1000 1000
269 220	269 220	125	150	269
120 | 10-Kcmil 250	120 | 10-Kcmil 250	35 | 14-2	50 | 14-1/0	120 | 10-Kcmil 250
8 | 3	8 | 3	8 | 3	8 | 3	8 | 3
- | V0	- | V0	- | V0	- | V0	- | V0
≤ 120	≤ 120	≤ 35	≤ 50	≤ 120
M10	M12	M6	M8	M10
6 - 120	6 - 120	2,5 - 35	2,5 - 50	6 - 120
6 - 120	6 - 120	2,5 - 35	2,5 - 50	6 - 120
10 - 95	10 - 95	6,0 - 25	6,0 - 35	10 - 95
10 - 95	10 - 95	6,0 - 25	6,0 - 35	10 - 95
10 - 20 20,0	14 - 31 20,0	3,0 - 6,0 12,4	6,0 - 12 16,9	10 - 20 20,9
PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
1 | -	1 | -	1 | -	1 | -	1 | -
Page Qty.	**Page Qty.**	**Page Qty.**	**Page Qty.**	**Page Qty.**
TW 35-120/B/B BG **17022.2** 316 20	TW 35-120/B/B BG **17022.2** 316 20	TW 35-120/B/B BG **17022.2** 316 20	TW 35-120/B/B BG **17022.2** 316 20	TW 35-120/B/B BG **17022.2** 316 20
TW 16-120 BG **17018.2** 316 20	TW 16-120 BG **17018.2** 316 20			
AD 120 YE **17026.8** 313 20	AD 120 YE **17026.8** 312 20	AD 35 YE **17020.8** 312 20	AD 50 YE **17021.8** 312 20	AD 120 YE **17026.8**/20 313 20
Q2/120/10 **17014.0** 299 10	Q2/120/10 **17016.0** 299 10	Q2/35 **17010.0** 298 10	Q2/50 **17012.0** 298 10	Q2/120/10 **17014.0**/10 299 10
Q3/120/10 **17015.0** 299 10	Q3/120/12 **17017.0** 299 10	Q3/35 **17011.0** 298 10	Q3/50 **17013.0** 298 10	Q3/120/10 **17015.0**/10 299 10
		Q2 HSK 35/M6 - M8 **17028.2** 299 1	Q2 HSK 35/M6 - M8 **17028.2** 299 1	
Q3 HSK 35/M6 - M10/2 **17029.2** 299		Q3 HSK 35/M6 - M10/2 **17029.2** 299 1		Q3 HSK 35/M6 - M10/2 **17029.2** 299 1
ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50
PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500

High-power stud terminals HSK B...B/B



The newest generation of **HSK B...B/B** stud terminals from **CONTA-CLIP** offers secure connections for all energy-transmitting applications. Depending on the wire cross-section, stud terminals can be used with threaded studs from M8 to M16. The rated current ranges from 192 to 415 amps, with a rated voltage up to 1000 volts. The wire connection range is from 6 mm^2 to 240 mm^2. Wires with crimped cable lugs are applied to threaded bolts and then connected securely by tightening the hex nut. Optimal security is guaranteed by the low voltage drop and by the use of self-extinguishing material with a V0 (UL94) flammability rating. Designed for mounting onto **TS 35** DIN rails, the stud terminals can be adapted with accessories such as **TW** partitions and **AD** covers to suit application requirements.

High-power stud terminals HSK B...B/B

Features

a **base terminal HSK**
CONTA-CLIP stud terminals can be arranged as required on standard **TS 35** DIN rails in accordance with EN 60715.

b **Partition plates TW**
To safely separate the potentials, **CONTA-CLIP** offers three different types of partitions in various heights fitting to each terminal. These are fitted securely in place between the individual terminals by means of the pegs integrated into the terminal base.

c **Covers AH**
The transparent **AH** covers offer a simple and safe method for protecting terminals and wires from accidental touch. They are securely screwed into the flanges built into the **TW** partition plates. The following product tables list the selection of **TW** partitions and the dimensions of the mounted terminal rails.

d **End stop ES 35/K/ST**
The **ES 35/K/ST** end stop grips both sides of the DIN rail with steel clamps. They are a secure method of mechanical attachment in terminal rail design.

e **Labelling | Marking**
The stud terminals have a labelling surface which is optimally suited for our Pocket-Maxicard **PMC** (**PMC BSTR 6/30**) standard marking systems.

High-power stud terminals HSK B... B/B

The features in detail

Stud connection

- Stud sizes from M 8 to M 16
- Wire with cable lug acc. to DIN 46234 up to 240 mm²
- Up to three cable lugs per stud can be connected with the single-bolt variants

Easy to use

- Place cable lugs on the studs
- Base washer and spring washer are then placed over
- When the steel nut is tightened, the flats of the cable lugs clamp together.

Cross-connections

- 2-pole design
- Can be used for all stud terminals
- Designed for the rated current of the stud terminal
- Clearly saves time with its quick potentials distribution

Housing made from polyamide 6.6 V0

- Self-extinguishing, UL94-V0 flamm. class
- Creepage-current protected, CTI = 600
- Temperature resistance: -40° to +120°C
- Spec. contact resistance: 10^{13} Ohm/cm
- Spec. surface resistance: 10^{15} Ohm/cm
- Temp. index, mechanical: 120°C (at 0.8 mm)
- Temp. index, electrical: 120°C (at 0.8 mm)
- Relative temperature index, electrical: 130°C (at 0.8 mm)
- Pollutant-free

Standards

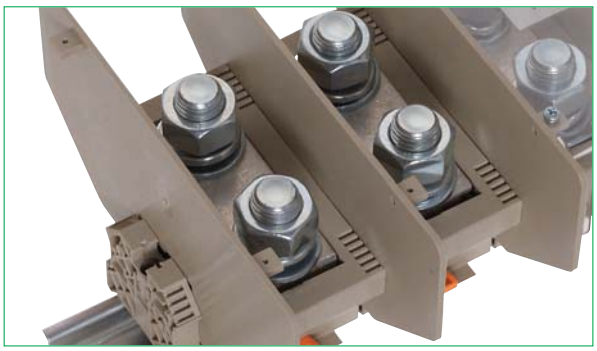
The following standard terminal block requirements are fulfilled:

- EN 60947-7-1
- EN 50124-1
- DIN EN 61373

Handling accessories

Secure handling

- Touch-safe protection because of **TW** partition plates and transparent **AH** covers



Secure contacts

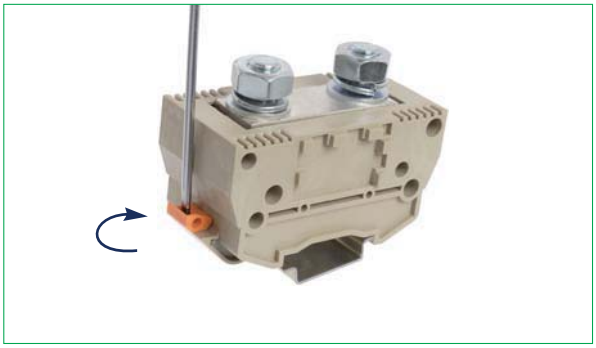
- Maintenance-free, later tightening of the nut is not needed
- High contact strength and vibration resistance from the spring washer
- Direct contact of cable lugs, or contact via copper busbar

Cross-connections/Potential distribution

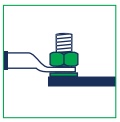
With neighbouring stud terminals, it is possible to implement potential distribution over two-pole **QS** cross-connection rails. The cross-connections are each designed for the rated current of the terminal. They are simply placed together with the cable lug over the stud. When using the cross-connection rails, do not use the partitions between the individual terminals. A cover over the terminals is not possible here.

Unlocking the DIN rails

The size of the terminal feet allows for a secure fit on a DIN rail with a thickness of at least 1.5 mm. A spring slider in the foot is used for a simple, quick snap-on and snap-off from the DIN rail.



High-power stud terminals HSK

Stud connection system	HSK 70 B	HSK 95 B	HSK 150 B
	M 8	M 10	M 12
• Foot can be snapped on TS 35 DIN rail • Stud connection • Housing made from polyamide 6.6 UL 94-V0	○	○	○
	High-power terminal 1 connection	High-power terminal 1 connection	High-power terminal 1 connection

Connection type	Stud connection	Stud connection	Stud connection
Size (L x W x H) with TS 35 x 7.5 mm	75 x 40 x 93	75 x 40 x 93	96 x 50 x 108
Size (L x W x H) with TS 35 x 7.5 mm with TW/AH	75 x 40 x 97	75 x 40 x 97	96 x 50 x 138
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	HSK 70 B BG	HSK 95 B BG	HSK 150 B BG
Cat. no.	**1174.2** 10	**1175.2** 10	**1176.2** 5
Colours available	.2	.2	.2
Rated data, in compliance (Approvals on page xxx)	**IEC**	**IEC**	**IEC**
Rated voltage, V	1000	1000	1000
Rated current, A	192	232	309
Rated cross-section mm²/AWG	70 | 2/0	95 | 3-4/0	150 | 2-6/0
Rated surge voltage kV / Contamination degree	8 | 3	8 | 3	8 | 3
Plug gauge acc. to EN 60947-1/flamm. class UL 94	- | V0	- | V0	- | V0
Connection data			
Contact wire range, mm²	≤ 70	≤ 95	≤ 150
Stud size	M 8	M 10	M 12
Torque, Nm	6-12	10-20	14-31
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Partition plate TW **Cat. no.**	TW 97 BG **2380.0** 316 1	TW 97 BG **2380.0** 316 1	TW 138 BG **1178.0** 316 1
AH protective hood **Cat. no.**	AH 40 transparent 2381.0 313 1	AH 40 transparent **2381.0** 313 1	AH 50 transparent **2382.0** 313 1
BS mounting screw for the AH **Cat. no.**	BS AD/M 2,9x6,5 **2385.0** 313 100	BS AD/M 2,9x6,5 **2385.0** 313 100	BS AD/M 2,9x6,5 **2385.0** 313 100
QS cross-connection rail **Cat. no.**	QS 2 **2410.0** 298 1	QS 2 **2411.0** 298 1	QS 2 **2412.0** 298 1
End stop ES **Cat. no.**	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50
Quick marking PMC SB **Cat. no.**	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500

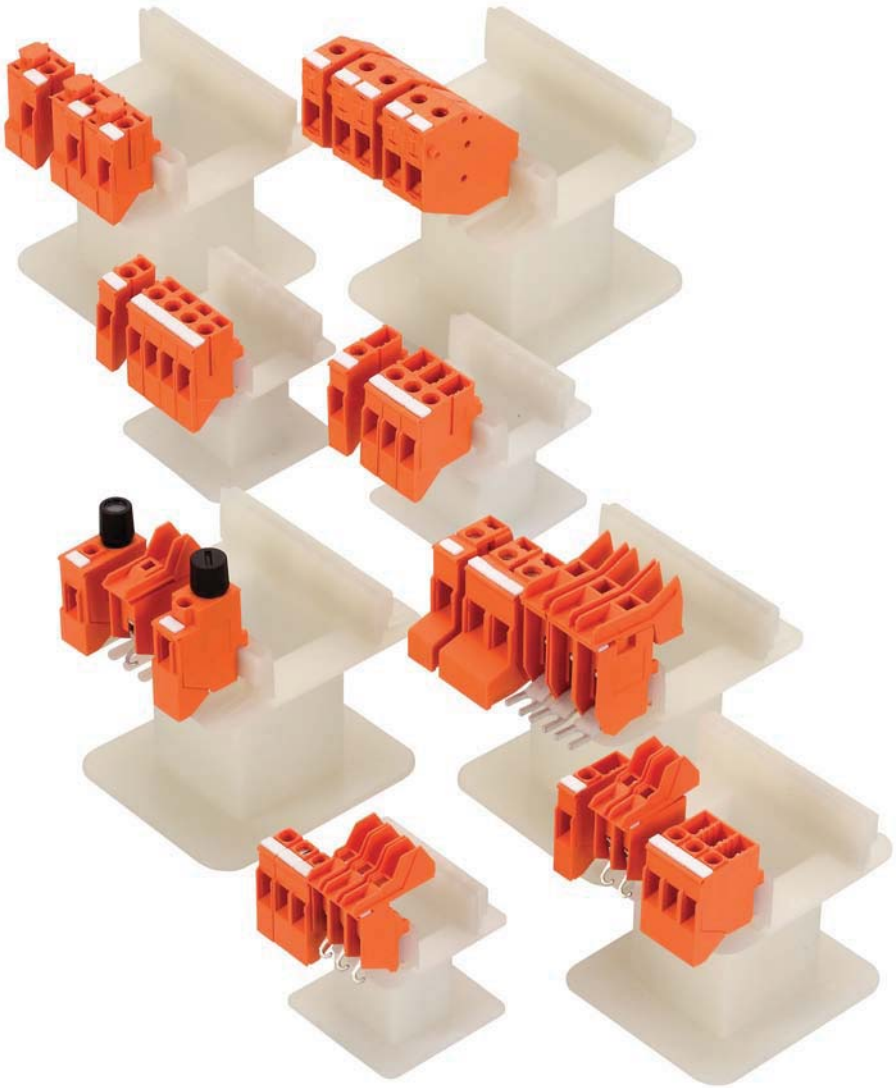
More accessories starting on page 264.

HSK 240 B	HSK 70 B/B	HSK 95 B/B	HSK 150 B/B	HSK 240 B/B
M 16	M 8	M 10	M 12	M 16
High-power terminal 1 connection	High-power terminal 2 connections	High-power terminal 2 connections	High-power terminal 2 connections	High-power terminal 2 connections
Stud connection	**Stud connection**	**Stud connection**	**Stud connection**	**Stud connection**
96 x 50 x 108 96 x 50 x 138	75 x 40 x 58 75 x 40 x 71	75 x 40 x 58 75 x 40 x 71	96 x 50 x 78 96 x 50 x 97	96 x 50 x 88 96 x 50 x 97
Qty.	**Qty.**	**Qty.**	**Qty.**	**Qty.**
HSK 240 B BG **1177.2** 5	HSK 70 B/B BG **1170.2** 10	HSK 95 B/B BG **1171.2** 10	HSK 150 B/B BG **1172.2** 5	HSK 240 B/B BG **1173.2** 5
.2	.2	.2	.2	.2
IEC	**IEC**	**IEC**	**IEC**	**IEC**
1000	1000	1000	1000	1000
415	192	232	309	415
240 | 2/0-500	70 | 2/0	95 | 3-4/0	150 | 2-6/0	240 | 2/0-500
8 | 3	8 | 3	8 | 3	8 | 3	8 | 3
- | V0	- | V0	- | V0	- | V0	- | V0
≤ 240	≤ 70	≤ 95	≤ 150	≤ 240
M 16	M 8	M 10	M 12	M 16
25-60	6-12	10-20	14-31	25-60
PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Page **Qty.**	**Page** **Qty.**	**Page** **Qty.**	**Page** **Qty.**	**Page** **Qty.**
TW 138 BG **1178.0** 316 1	TW 71 BG **2379.0** 316 1	TW 71 BG **2379.0** 316 1	TW 97 BG **2380.0** 316 1	TW 97 BG **2380.0** 316 1
AH 50 transparent **2382.0** 313 1	AH 40 transparent **2381.0** 313 1	AH 40 transparent **2381.0** 313 1	AH 50 transparent **2382.0** 313 1	AH 50 transparent **2382.0** 313 1
BS AD/M 2,9x6,5 **2385.0** 313 100	BS AD/M 2,9x6,5 **2385.0** 313 100	BS AD/M 2,9x6,5 **2385.0** 313 100	BS AD/M 2,9x6,5 **2385.0** 313 100	BS AD/M 2,9x6,5 **2385.0** 313 100
QS 2 **2413.0** 298 1	QS 2 **2410.0** 298 1	QS 2 **2411.0** 298 1	QS 2 **2412.0** 298 1	QS 2 **2413.0** 298 1
ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/H/ST BG **2828.0** 274 50	ES 35/H/ST BG **2828.0** 274 50
PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500

Transformer terminals TKS/TK

Transformer terminals are intended to be directly mounted to a core with integrated receptacles. They can also be mounted on aluminium 10x2 DIN rails. They are used for converting coil ends to screw-/spade connections, for connecting to the device being powered or to parts of the facility.

All transformer terminals feature the proven clamping yoke system which guarantees a vibration-resistant connection. Touch safety in compliance with **VBG 4** is ensured because of the closed housing design (material is polyamide PA 6.6 UL 94-V0). The **PMC SB 7,5** quick marking system is used for labelling the transformer terminals.

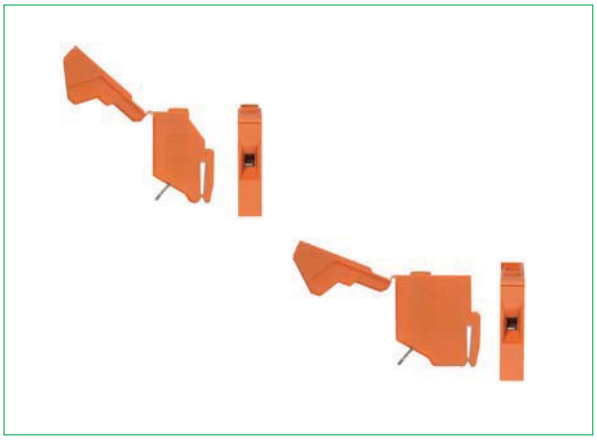


Transformer terminals TKS/TK

The features in detail

Transformer terminals: TKS 4 and TKS 4/F

The **TKS 4** and **TKS 4/F** are available as 1-, 2-, and 3-pole units as single, solid mouldings in the standard orange and grey colours. Customer-specific colours are available upon request. The **TKS 4** screw connection and the **TKS 4/F** screw-/spade connection (2.8/6.3 mm) are also available. The screw connection is designed for wires up to 4 mm². The solder hook is open-sided and the housing lid clips back in the open position above the screwdriver insertion point. These two factors allow the coil wires to be conveniently and quickly soldered.



Transformer terminals TKS 10

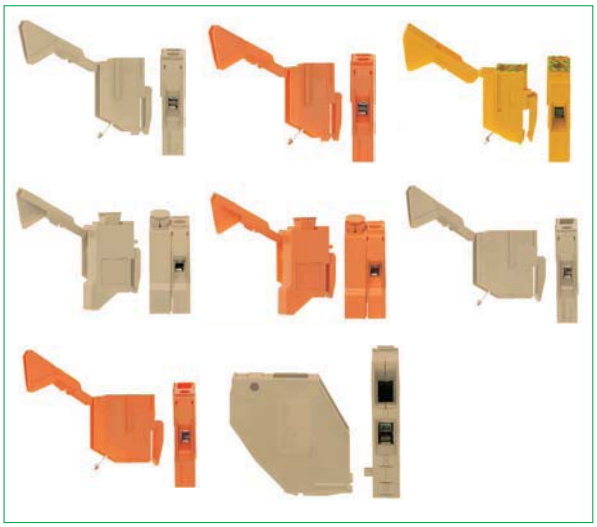
The **TKS 10**s are available as 1-, 2-, and 3-pole units in block versions in the standard colours orange and grey. Customer-specific colours are available upon request. The screw connection is designed for wires up to 10 mm². The solder hook is open-sided and the housing lid clips back in the open position above the screwdriver insertion point. These two factors allow the coil wires to be conveniently and quickly soldered.

Transformer-fused terminals TKS 4 SI 5x20, 5x25 and 6,3x32

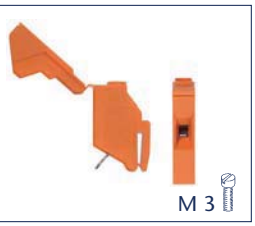
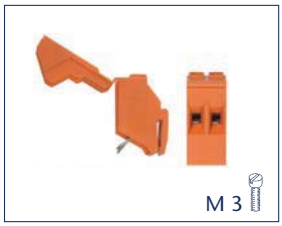
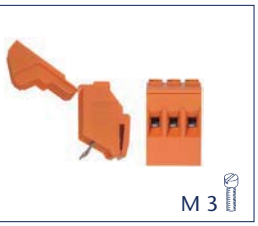
The **TKS 4 SI** are available in 1-pole units in block versions in the standard colours orange and grey. The screw connection is designed for wires up to 4 mm². A screw cap is used to attach the corresponding 5x20, 5x25 or 6.3x32 micro-fuses in the **TKS 4 SI**.

Transformer terminals TK 4, TK 4/F, TK 10 and TK 4 SI

This modular system uses a dove-tail connection to assemble together into the required number of poles. The transformer terminals can also be delivered pre-assembled, in standard units from 2 to 10 poles and in orange or beige. Customer-specific colours are available upon request. The **TK 4** screw connection and the **TK 4/F** screw-/spade connection (2.8/6.3 mm) are available in colour versions.
The screw connection is designed for wires up to 4 mm².
The housing for the **TK 10** transformer terminals (2 mm²) and the **TK 4 SI** transformer fused terminals (2 mm²) are designed as single-pole terminals without a dove-tail connection. A screw cap is used to attach the corresponding 5x20 or 5x25 micro-fuses in the **TK 4 SI**.



Transformer terminals TKS

Screw connection system	TKS 4/1	TKS 4/2	TKS 4/3
	 M 3	 M 3	 M 3
• Housing made from polyamide 6.6 UL 94-V0			
Connection diagram			
	Transformer terminal 1 screw connection	Transformer terminal 2 screw connections	Transformer terminal 3 screw connections

Connection type	Screw connection	Screw connection	Screw connection
Dimensions (L x W x H), mm	20.5 x 7.5 x 33.1	20.5 x 15 x 33.1	20.5 x 22.5 x 33.1
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	TKS 4/1 OG	TKS 4/2 OG	TKS 4/3 OG
Cat. no.	**1222.3** 50	**1223.3** 25	**1224.3** 20
Type colour	TKS 4/1 GR	TKS 4/2 GR	TKS 4/3 GR
Cat. no.	**1222.6** 50	**1223.6** 25	**1224.6** 20
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available	3 6	3 6	3 6

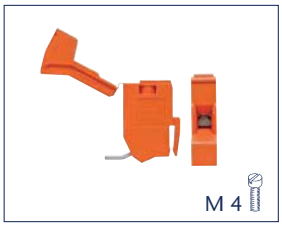
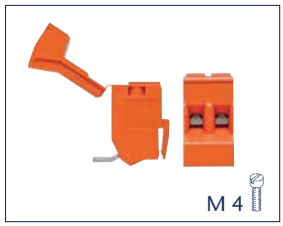
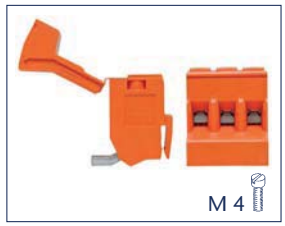
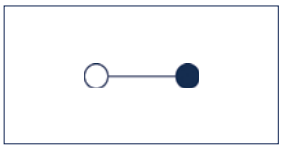
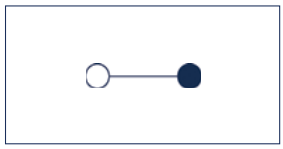
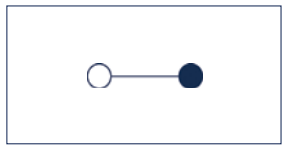
Ratings	IEC	CSAus	CSA	IEC	CSAus	CSA	IEC	CSAus	CSA
Rated voltage, V	800	600	600	800	600	600	800	600	600
Rated current, A	32	30	30	32	30	30	32	30	30
Rated wire cross-section, mm² | AWG	4 | 22-10			4 | 22-10			4 | 22-10		
Rated impulse voltage, kV | Contamination degree	8 | 3			8 | 3			8 | 3		
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V0			A3 | V2			A3 | V2		
Connection data									
Single wire (solid) / Stranded mm²	0.2-6 | -			0.2-6 | -			0.2-6 | -		
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-6 | 0.2-4			0.2-6 | 0.2-4			0.2-6 | 0.2-4		
Contact wire range, mm²	0.2-6			0.2-6			0.2-6		
Stripping length, mm	8			8			8		
Torque, Nm | Screw	0.5-1.0			0.5-1.0			0.5-1.0		
Spade connection, mm	-			-			-		
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C			PA 6.6 | -40 to +120°C			PA 6.6 | -40 to +120°C		
Number of cross-connection channels | Test pick-off	- | 1			- | 2			- | 3		

Accessories		Page	Qty.		Page	Qty.		Page	Qty.
Quick marking PMC SB		PMC SB 7,5/40 WH			PMC SB 7,5/40 WH			PMC SB 7,5/40 WH	
Cat. no.		**9326.7** 341	400		**9326.7** 341	400		**9326.7** 341	400
Quick marking PMC SB	Special print	PMC SB 7,5/40 So WH			PMC SB 7,5/40 So WH			PMC SB 7,5/40 So WH	
Cat. no.		**3327.7** 341	400		**3327.7** 341	400		**3327.7** 341	400
Screwdriver SDB		SDB 0.6x3.5			SDB 0.6x3.5			SDB 0.6x3.5	
Cat. no.		**1086.0** 422	1		**1086.0** 422	1		**1086.0** 422	1

More accessories starting on page 264.

TKS 4/1 F	TKS 4/2 F	TKS 4/3 F		
M 3	M 3	M 3		
Transformer terminal 1 screw connection / 1 spade connection	Transformer terminal 2 screw connections / 2 spade connections	Transformer terminal 3 screw connections / 3 spade connections		
Screw connection	**Screw connection**	**Screw connection**		
27.7 x 7.5 x 33.1	27.7 x 15 x 33.1	27.7 x 22.5 x 331		
Qty.	**Qty.**	**Qty.**		
TKS 4/1/F OG **1225.3** 50	TKS 4/2/F OG **1226.3** 25	TKS 4/3/F OG **1227.3** 20		
TKS 4/1/F GR **1225.6** 50	TKS 4/2/F GR **1226.6** 25	TKS 4/3/F GR **1227.6** 20		
3 6	3 6	3 6		
IEC **CSAus** **CSA**	**IEC** **CSAus** **CSA**	**IEC** **CSAus** **CSA**		
800 600 600	800 600 600	800 600 600		
32 30 30	32 30 30	32 30 30		
4 | 22-10	4 | 22-10	4 | 22-10		
8 | 3	8 | 3	8 | 3		
A3 | V2	A3 | V2	A3 | V2		
0.2-6 | -	0.2-6 | -	0.2-6 | -		
0.2-6 | 0.2-4	0.2-6 | 0.2-4	0.2-6 | 0.2-4		
0.2-6	0.2-6	0.2-6		
8	8	8		
0.5-1.0	0.5-1.0	0.5-1.0		
6.3/2 x 2.8 x 0.8	6.3/2 x 2.8 x 0.8	6.3/2 x 2.8 x 0.8		
PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C		
- | 1	- | 2	- | 3		
Page **Qty.**	**Page** **Qty.**	**Page** **Qty.**		
PMC SB 7,5/40 WH **9326.7** 341 400	PMC SB 7,5/40 WH **9326.7** 341 400	PMC SB 7,5/40 WH **9326.7** 341 400		
PMC SB 7,5/40 So WH **3327.7** 341 400	PMC SB 7,5/40 So WH **3327.7** 341 400	PMC SB 7,5/40 So WH **3327.7** 341 400		
SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1		

Transformer terminals TKS | Transformer-fused terminals TKS../SI

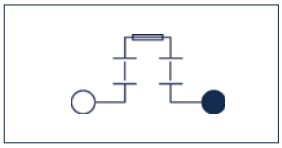
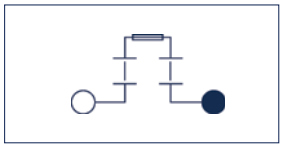
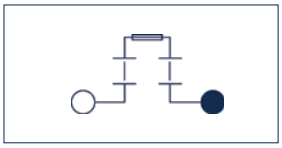
Screw connection system	TKS 10/1	TKS 10/2	TKS 10/3
			
• Housing made from polyamide 6.6 UL 94-V0			
Connection diagram			
	Transformer terminal 1 screw connection	Transformer terminal 2 screw connections	Transformer terminal 3 screw connections

Connection type	Screw connection			Screw connection			Screw connection		
Dimensions (L x W x H), mm	37.5 x 11.25 x 39.5			37.5 x 22.5 x 39.5			37.5 x 23.75 x 39.5		
Type			**Qty.**			**Qty.**			**Qty.**
Type colour	TKS 10/1 OG			TKS 10/2 OG			TKS 10/3 OG		
Cat. no.	**17032.3**		50	**17033.3**		25	**17046.3**		20
Type colour	TKS 10/1 GR			TKS 10/2 GR			TKS 10/3 GR		
Cat. no.	**17032.6**		50	**17033.6**		25	**17046.6**		20
Type colour									
Cat. no.									
Type colour									
Cat. no.									
Colours available	3 6			3 6			3 6		
Ratings	**IEC***	**CSAus***	**CSA***	**IEC***	**CSAus***	**CSA***	**IEC***	**CSAus***	**CSA***
Rated voltage, V	800	600	600	800	600	600	800	600	600
Rated current, A	57	65	65	57	65	65	57	65	65
Rated wire cross-section, mm² | AWG	10 | 8			10 | 8			10 | 8		
Rated impulse voltage, kV | Contamination degree	8 | 3			8 | 3			8 | 3		
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	B6 | V0			B6 | V0			B6 | V0		
Connection data									
Single wire (solid) | stranded (stranded) mm²	0.2-16 | 0.2-16			0.2-16 | 0.2-16			0.2-16 | 0.2-16		
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-10 | 0.2-10			0.2-10 | 0.2-10			0.2-10 | 0.2-10		
Contact wire range, mm²	0.6 - 16			0.6 - 16			0.6 - 16		
Stripping length, mm	14			14			14		
Torque, Nm | Screw	1.2 - 2.0 | Slotted M4			1.2 - 2.0 | Slotted M4			1.2 - 2.0 | Slotted M4		
Fuse size	-			-			-		
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C			PA 6.6 | -40 to +120°C			PA 6.6 | -40 to +120°C		

Accessories		Page	Qty.		Page	Qty.		Page	Qty.
Quick marking PMC SB, blank		PMC SB 7,5/40 WH			PMC SB 7,5/40 WH			PMC SB 7,5/40 WH	
Cat. no.		**9326.7**	341 400		**9326.7**	341 400		**9326.7**	341 400
Quick marking PMC SB, customer-specific	Special print	PMC SB 7,5/40 So WH			PMC SB 7,5/40 So WH			PMC SB 7,5/40 So WH	
Cat. no.		**3327.7**	341 400		**3327.7**	341 400		**3327.7**	341 400
Screwdriver SDB		SDB 0.6x3.5			SDB 0.6x3.5			SDB 0.6x3.5	
Cat. no.		**1086.0**	422 1		**1086.0**	422 1		**1086.0**	422 1

More accessories starting on page 264.

* = Approval applied for.

TKS 4/SI 5x20	TKS 4/SI 5x25	TKS 4/SI 6,3x32		
				
Transformer-fused terminal 1 screw connection	Transformer-fused terminal 1 screw connection	Transformer-fused terminal 1 screw connection		
Screw connection	**Screw connection**	**Screw connection**		
28.3 x 12.5 x 43.9	28.3 x 12.5 x 43.9	28.3 x 12.5 x 49.4		
Qty.	**Qty.**	**Qty.**		
TKS 4/SI 5x20 OG **17030.3** 50	TKS 4/SI 5x25 OG **17047.3** 50	TKS 4/SI 6,3x32 OG **17031.3** 50		
TKS 4/SI 5x20 GR **17030.6** 50	TKS 4/SI 5x25 GR **17047.6** 50	TKS 4/SI 6,3x32 GR **17031.6** 50		

IEC*	CSAus*	CSA*
250	600	600
10*	10	10
4 | 12		
8 | 3		
A4 | V0		
0.2-6 | -		
0.2-6 | 0.2-4		
0.2-6		
8		
0.5 - 1.0 | Slotted M3		
5 x 20		
PA 6.6 | -40 to +120°C		

IEC*	CSAus*	CSA*
400	600	600
10*	10	10
4 | 12		
8 | 3		
A4 | V0		
0.2-6 | -		
0.2-6 | 0.2-4		
0.2-6		
8		
0.5 - 1.0 | Slotted M3		
5 x 25		
PA 6.6 | -40 to +120°C		

IEC*	CSAus*	CSA*
500	600	600
10*	10	10
4 | 12		
8 | 3		
A4 | V0		
0.2-6 | -		
0.2-6 | 0.2-4		
0.2-6		
8		
0.5 - 1.0 | Slotted M3		
6,3 x 32		
PA 6.6 | -40 to +120°C		

* =Depending on the type of fuse in use.

	Page	Qty.
PMC SB 7,5/40 WH **9326.7**	341	400
PMC SB 7,5/40 So WH **3327.7**	341	400
SDB 0.6x3.5 **1086.0**	422	1

	Page	Qty.
PMC SB 7,5/40 WH **9326.7**	341	400
PMC SB 7,5/40 So WH **3327.7**	341	400
SDB 0.6x3.5 **1086.0**	422	1

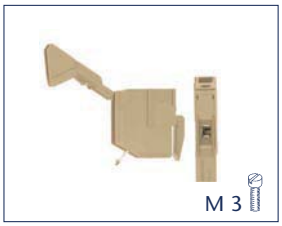
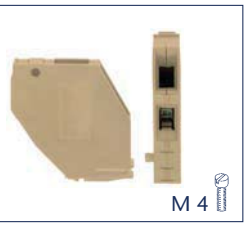
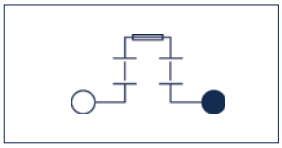
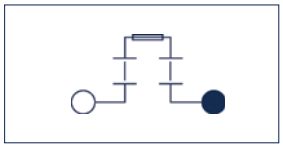
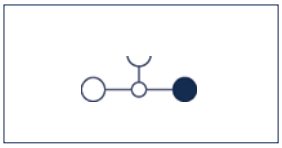
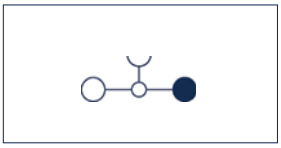
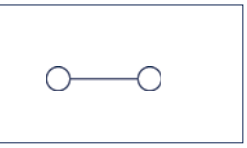
	Page	Qty.
PMC SB 7,5/40 WH **9326.7**	341	400
PMC SB 7,5/40 So WH **3327.7**	341	400
SDB 0.6x3.5 **1086.0**	422	1

Transformer terminals TK | Transformer-fused terminals TKS../SI

Screw connection system	TK 4	TK 4	TK 4
	M 3	M 3	M 3
• Housing made from polyamide 6.6 UL 94-V0			
Connection diagram			
	Transformer terminal 1 screw connection per pole	Transformer terminal 1 screw connection per pole	Transformer terminal 1 screw connection per pole

Connection type	**Screw connection**			**Screw connection**			**Screw connection**		
Dimensions (L x W x H), mm	20,5 x 7,5 x 33,1			20,5 x 7,5 x 33,1			20,5 x 7,5 x 33,1		
Type			**Qty.**			**Qty.**			**Qty.**
Type colour	TK 4/1 BG			TK 4/1 OG			TK 4/1 GNYE		
Cat. no.	**1141.2**		50	**1141.3**		50	**1136.8**		50
Type colour	TK 4/2 BG			TK 4/2 OG					
Cat. no.	**1142.2**		25	**1142.3**		25			
Type colour	TK 4/3 BG			TK 4/3 OG					
Cat. no.	**1143.2**		20	**1143.3**		20			
Type colour	TK 4/4 BG			TK 4/4 OG					
Cat. no.	**1144.2**		15	**1144.3**		15			
Type/colour	TK 4/5 BG			TK 4/5 OG					
Cat. no.	**1145.2**		10	**1145.3**		10			
Type colour	TK 4/6 BG			TK 4/6 OG					
Cat. no.	**1146.2**		10	**1146.3**		10			
Type colour	TK 4/7 BG			TK 4/7 OG					
Cat. no.	**1147.2**		10	**1147.3**		10			
Type colour	TK 4/8 BG			TK 4/8 OG					
Cat. no.	**1148.2**		5	**1148.3**		5			
Type/colour	TK 4/9 BG			TK 4/9 OG					
Cat. no.	**1149.2**		5	**1149.3**		5			
Type colour	TK 4/10 BG			TK 4/10 OG					
Cat. no.	**1150.2**		5	**1150.3**		5			
Colours available	(2)			(3)					
Ratings	**IEC**	**CSAus***	**CSA***	**IEC**	**CSAus***	**CSA***	**IEC**	**CSAus***	**CSA***
Rated voltage, V	800	600	600	800	600	600	800	600	600
Rated current, A	32	30	30	32	30	30	32	30	30
Rated wire cross-section, mm²| AWG	4 | 22-10			4 | 22-10			4 | 22-10		
Rated impulse voltage, kV | Contamination degree	8 | 3			8 | 3			8 | 3		
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A5 | V0			A5 | V0			A5 | V0		
Connection data									
Single wire (solid) / Stranded mm²	0.2-6 | -			0.2-6 | -			0.2-6 | -		
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-6 | 0.2-4			0.2-6 | 0.2-4			0.2-6 | 0.2-4		
Contact wire range, mm²	0.2-6			0.2-6			0.2-6		
Stripping length, mm	9			9			9		
Torque, Nm | Screw	0.5-1.0			0.5-1.0			0.5-1.0		
Spade connection, mm	-			-			-		
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C			PA 6.6 | -40 to +120°C			PA 6.6 | -40 to +120°C		
Number of cross-connection channels | Test pick-off	- | -			- | -			- | -		
Accessories			**Page**	**Qty.**					
Quick marking PMC SB	PMC SB 7,5/40 WH								
Cat. no.	**9326.7**		341	400					
Quick marking PMC SB Special print	PMC SB 7,5/40 So WH								
Cat. no.	**3327.7**		341	400					
Screwdriver SDB	SDB 0.6x3.5								
Cat. no.	**1086.0**		422	1					

More accessories starting on page 264.

TK 4/SI	TK 4/SI	TK 4/F	TK 4/F	TK 10
				
				
Transformer-fused terminal 1 screw connection	Transformer-fused terminal 1 screw connection	Transformer terminal 1 screw connection per pole / 1 spade connection	Transformer terminal 1 screw connection per pole / 1 spade connection	Transformer terminal 1 screw connection per pole
Screw connection	**Screw connection**	**Screw connection**	**Screw connection**	**Screw connection**
20.5 x 15 x 37	0.5 x 15 x 37	27.8 x 7.5 x 33.1	20.5 x 7.5 x 3.1	40.5 x 9 +(ZP 6 mm) x 41
Qty.	**Qty.**	**Qty.**	**Qty.**	**Qty.**
TK 4/SI 5x20 BG **1139.2** 50	TK 4/SI 5x20 OG **1139.3** 50	TK 4/1/F BG **1151.2** 50	TK 4/1/F OG **1151.3** 50	TK 10 OG **1138.3** 50
TK 4/SI 5x25 BG **1140.2** 50	TK 4/SI 5x25 OG **1140.3** 50	TK 4/2/F BG **1152.2** 25	TK 4/2/F OG **1152.3** 25	TK 10/ZP OG **1161.3** 50
		TK 4/3/F BG **1153.2** 20	TK 4/3/F OG **1153.3** 20	TK 10 BG **1138.2** 50
		TK 4/4/F BG **1154.2** 15	TK 4/4/F OG **1154.3** 15	TK 10/ZP BG **1161.2** 50
		TK 4/5/F BG **1155.2** 10	TK 4/5/F OG **1155.3** 10	
		TK 4/6/F BG **1156.2** 10	TK 4/6/F OG **1156.3** 10	
		TK 4/7/F BG **1157.2** 10	TK 4/7/F OG **1157.3** 10	
		TK 4/8/F BG **1158.2** 5	TK 4/8/F OG **1158.3** 5	
		TK 4/9/F BG **1159.2** 5	TK 4/9/F OG **1159.3** 5	
		TK 4/10/F BG **1160.2** 5	TK 4/10/F OG **1160.3** 5	
(.2)	(.3)	(.2)	(.3)	(.2) (.3)
IEC **CSAus*** **CSA***	**IEC** **CSAus*** **CSA***	**IEC** **CSAus*** **CSA***	**IEC** **CSAus*** **CSA***	**IEC** **CSAus*** **CSA***
250 300 300	250 300 300	800 600 600	800 600 600	800 600 600
10 10 10	10 10 10	32 30 30	32 30 30	57 65 65
4 | 22-10	4 | 22-10	4 | 22-10	4 | 22-10	10 | 22-10
4 | 3	4 | 3	8 | 3	8 | 3	8 | 3
A5 | V0	A5 | V0	A5 | V0	A5 | V0	A5 | V0
0.2-6 | -	0.2-6 | -	0.2-6 | -	0.2-6 | -	0.2-6 | -
0.2-6 | 0.2-4	0.2-6 | 0.2-4	0.2-6 | 0.2-4	0.2-6 | 0.2-4	0.2-6 | 0.2-4
0.2-6	0.2-6	0.2-6	0.2-6	0.2-6
9	9	9	9	12
0.5-1.0	0.5-1.0	0.5-1.0	0.5-1.0	1,2-2,0
-	6.3/2 x 2.8 x 0.8	6.3/2 x 2.8 x 0.8	6.3/2 x 2.8 x 0.8	6.3/2 x 2.8 x 0.8
PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
- | -	- | -	- | -	- | -	- | -
Page **Qty.**	**Page** **Qty.**	**Page** **Qty.**	**Page** **Qty.**	**Page** **Qty.**
PMC SB 7,5/40 WH **9326.7** 341 400	PMC SB 7,5/40 WH **9326.7** 341 400	PMC SB 7,5/40 WH **9326.7** 341 400	PMC SB 7,5/40 WH **9326.7** 341 400	PMC SB 7,5/40 WH **9326.7** 341 400
PMC SB 7,5/40 So WH **3327.7** 341 400	PMC SB 7,5/40 So WH **3327.7** 341 400	PMC SB 7,5/40 So WH **3327.7** 341 400	PMC SB 7,5/40 So WH **3327.7** 341 400	PMC SB 7,5/40 So WH **3327.7** 341 400
SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1

Feed-through terminals RK | Fused terminals SIK/SK, in high-temp. design

The new feed-through and fused terminals, made from glass-fibre reinforced polyamide PA 6.6 V0, have an extended temperature range up to +140 C (RTI elec.) and open up new application possibilities in electrical engineering. These products offer an interesting alternative to terminals blocks made from thermo-set duroplast, and are suitable for nonrecurring high temperatures in the production process or for continuous nearby temperatures in machines and facilities. The feed-through terminals are available in the cross-section range 4 mm2 to 35 mm^2. They can be snapped on to a **TS 35** rail.

The **SIK10/Z** fused terminal is designed for holding 6.3x32 micro-fuses.
The **SK 1** fused terminals are available in various designs for 5x20 or 5x25 micro-fuses, with or without status displays.
The glass-fibre reinforced terminal housing offers a secure grip on the contact element in the case of power loss from fuse cartridges caused by surge current or short circuits. Due to the material used, these products are only available in black!

The features in detail

Terminal blocks RK 2,5-4, RK 6-10, RK 16, RK 35

From all available connection types, the majority of applications use the screw connection. The advantage of the screw connection is its suitability for all cross-sections and wire types. It can be used without any special adjustments for directly connecting the stripped wire end, or for stranded and finely-stranded flexible wires.
When using wire-end ferrules, these should always be crimped with the correct crimping tool before connecting to the terminal. Correct crimping guarantees an absolutely gas-tight, vibration-resistant connection.

Features
- Terminal housing can be snapped on TS 35 rail
- Terminal housings made of glass-fibre reinforced polyamide 6.6 V0 in black
- Temperature resistance to +140°C (RTI elec.)

Fused terminals SIK 10/Z

Fuse-disconnect terminal featuring extended disconnect lever with locked end position: for holding micro-fuses of size 6.3x32.

Features
- Terminal housing can be snapped on TS 35 rail
- Holds 6.3x32-mm fuses
- Two or three disconnect levers can be coupled and operated simultaneously by using the VBS connection sleeves
- Can be used with solid link as disconnect terminal
- Terminal housings made of glass-fibre reinforced polyamide 6.6 V0 in black
- Temperature resistance to +140°C (RTI elec.)

Fused terminals SK 1

Fused terminal with screw cap for holding micro-fuses in sizes 5x20 mm and 5x25 mm. Two base terminals are available for different voltage ranges with or without status displays, and optionally fitted with neon indicator, glow lamp or LED.

Features
- Terminal housing can be snapped on TS 35 rail
- Suitable for holding micro-fuses of sizes 5x20 and 5x25 mm
- Fuses are screwed into the fused terminal via the screw cap
- Status display for various voltage ranges with LED, neon indicator or glow lamp
- Terminal housings made of glass-fibre reinforced polyamide 6.6 V0 in black
- Temperature resistance to +140°C (RTI elec.)

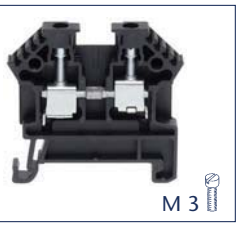
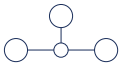
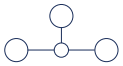
Feed-through terminals RK | Fused terminals SIK/SK, in high-temp. design

Screw connection system

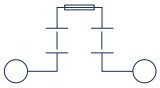
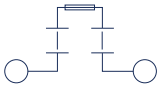
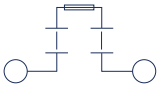
- Foot can be snapped on TS 35 DIN rail
- Housing made from Polyamide 6.6 V0, glass-fibre reinforced
- Temperature resistance to 140°C (RTI elec.)

Connection diagram

- SIK and SK: Suitable for holding micro-fuses of size 5 x 20 mm, 5 x 25 mm and 6.3 x 32 mm
- SIK and SK: Status display for various voltage ranges with LED, neon indicator or glow lamp

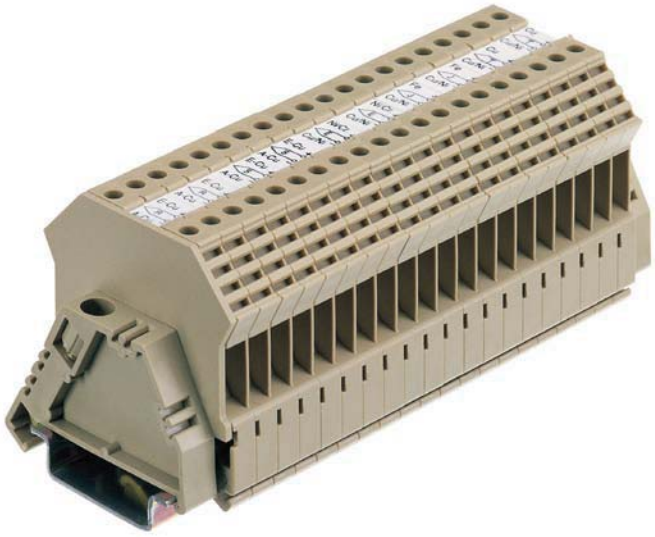
	RK 2,5-4/35 PA-G	RK 6-10/35 PA-G	RK 16/35 N PA-G
	 M 3	M 4	M 5
			
	Feed-through terminal 2 connections	Feed-through terminal 2 connections	Feed-through terminal 2 connections
Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Dimensions (L x W x H), mm	48 x 6 x 47	48 x 8 x 47	54 x 12 x 47
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour black	RK 2,5-4/35 PA-G BK	RK 6-10/35 PA-G BK	RK 16/35/N PA-G BK
Cat. no.	**1748.4** 100	**1749.4** 100	**2747.4** 50
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available			
Ratings	**IEC / CSAus* / CSA***	**IEC / CSAus* / CSA***	**IEC / CSAus* / CSA***
Rated voltage, V	800 / 600 / 600	800 / 600 / 600	800 / 600 / 600
Rated current, A	32 / 30 / 30	57 / 65 / 55	76 / 65 / 85
Rated wire cross-section, mm² | AWG	4 | 22-10	10 | 22-8	16 | 10-16
Rated impulse voltage, kV | Contamination degree	6 | 3	6 | 3	8 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A4 | V0	A5 | V0	B7 | V0
Connection data			
Single wire (solid) / Stranded mm²	0.2-6 | -	0.2-10 | 0.2-10	2.5-16 | 2.5-16
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-6 | 0.2-4	0.2-10 | 0.2-10	2.5-16 | 2.5-16
Contact wire range, mm²	0.2-6	0.2-10	2.5-25
Stripping length, mm	8	9	15
Torque, Nm | Screw	0.5-1.0	1.2-2.0	2.0-4.0
Features			
Material of insulated housing | Temperature range	PA 6.6 GV 20 V0 | -40 to +140°C	PA 6.6 GV 20 V0 | -40 to +140°C	PA 6.6 GV 20 V0 | -40 to +140°C
Number of cross-connection channels | Test pick-off	1 | 1	1 | 1	1 | -
Accessories	**Page / Qty.**	**Page / Qty.**	**Page / Qty.**
End plate AP	AP 2,5-10 BG	AP 2,5-10 BG	
Cat. no.	**2001.2** 278 50	**2001.2** 278 50	
Partition plate TW	TW 2,5-10 BG	TW 2,5-10 BG	
Cat. no.	**2002.2** 316 50	**2002.2** 316 50	
Insulation plate TRS	TRS 1 BG	TRS 1 BG	
Cat. no.	**2003.2** 316 100	**2003.2** 316 100	
Screw cap (spare)			
Cat. no.			
Screw cap (spare)			
Cat. no.			
Cross-connector Q / External insulated cross-connector AQI	Q 2	Q 2	Q 2
Cat. no.	**2019.0** 289 50	**2060.0** 289 50	**2257.0** 290 20
Insulated cross-connector QI / Cross-connect disc QS	QI 2 YE	QI 2 YE	
Cat. no.	**2740.2** 289 50	**2750.2** 289 50	
Cross-connector Q / External insulated cross-connector AQI	Q 3	Q 3	Q 3
Cat. no.	**2020.0** 289 50	**2061.0** 289 50	**2058.0** 296 20
Insulated cross-connector QI / Cross-connect disc QS	QI 3 YE	QI 3 YE	
Cat. no.	**2741.2** 289 50	**2751.2** 289 50	
Cross-connector Q / External insulated cross-connector AQI	Q 4	Q 4	Q 4
Cat. no.	**2021.0** 289 20	**2062.0** 289 20	**2265.0** 290 10
Insulated cross-connector QI / Cross-connect disc QS	QI 4 YE	QI 4 YE	
Cat. no.	**2742.2** 289 10	**2752.2** 289 20	
Cross-connector Q / External insulated cross-connector AQI	Q 10	Q 10	Q 10
Cat. no.	**2022.0** 289 10	**2063.0** 289 10	**2266.0** 290 10
Insulated cross-connector QI / Cross-connect disc QS	QI 10 YE	QI 10 YE	
Cat. no.	**2743.2** 289 10	**2753.2** 289 20	
Cross-connector Q / External insulated cross-connector AQI			
Cat. no.			
Mounting screw BS for the QS			
Cat. no.			
Screwdriver SDB	SDB 0.6x3.5	SDB 0,8x4,0	SDB 0,8x4,0
Cat. no.	**1086.0** 422 1	**1087.0** 422 1	**1087.0** 422 1
Quick marking PMC SB	PMC SB 6/50 WH	PMC SB 8/40 WH	PMC SB 6/50 WH
Cat. no.	**4702.7** 340 500	**9323.7** 342 400	**4702.7** 340 500

More accessories starting on page 264.

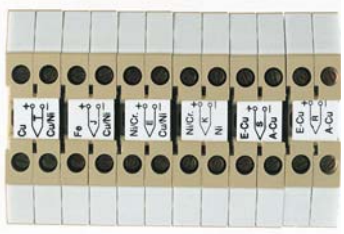
RK 35/35 N PA-G	SIK 10/Z PA-G	SK 1/35 PA-G	SK 1/35 LED PA-G	
M 6	M 4	M 4	M 4	
				
Feed-through terminal 2 connections	Fused terminal 2 connections	Fused terminal 2 connections	Fused terminal 2 connections	
Screw connection	**Screw connection**	**Screw connection**	**Screw connection**	
58 x 18 x 52	60 x 10 x 69	52 x 12.2 x 62	52 x 12.2 x 62	
Qty.	**Qty.**	**Qty.**	**Qty.**	
RK 35/35/N PA-G BK **2748.4** 50	SIK 10/Z PA-G BK **17041.4** Fuse 6.3x32 mm 25	SK 1/35 PA-G BK **1367.4** fuse 5x20 mm 20 SK 1/35 w. K. PA-G BK **1368.4** fuse 5x25 mm 20	SK 1/35 LED PA-G with LED 24 V DC **1380.4** 48 V DC **1067.4** 24 V AC **1004.4** 48 V AC **1119.4** 20 SK 1/35 G PA-G w/ neg.-glow lamp 115 V AC **1376.4** 230 V AC **1375.4** 20 SK 1/35 G PA-G w/ neg.-glow lamp 24 V AC/DC **1369.4** 5x20 mm 20	
IEC / **CSAus*** / **CSA***	**IEC** / **CSAus*** / **CSA***	**IEC** / **CSAus*** / **CSA***	**IEC** / **CSAus*** / **CSA***	
800 / 600 / 600	500 / 600 / 600	400	See above	
125 / 110 / 115	10 / 16 / 16	10	10	
35 | 12-2	10 | 22-12	10 | 22-8	10 | 22-8	
8 | 3	8 | 3	4 | 3	4 | 3	
B9 | V0	A4 | V0	A5 | V0	A5 | V0	
2.5-35 | 2.5-35	0.2-10 | 0.2-10	0.2-10 | 0.2-10	0.2-10 | 0.2-10	
2.5-35 | 2.5-35	0.2-10 | 0.2-10	0.2-10 | 0.2-10	0.2-10 | 0.2-10	
2.5-35	0.2-10	0.2-10	0.2-10	
20	12	12	12	
2.5-5.0	1.2-2.0	1.2-2.0	1.2-2.0	
PA 6.6 GV 20 V0 | -40 to +140°C	PA 6.6 GV 20 V0 | -40 to +140°C	PA 6.6 GV 20 V0 | -40 to +140°C	PA 6.6 GV 20 V0 | -40 to +140°C	
1 | -	- | 1	1 | 1	- | 1	
Page **Qty.**	**Page** **Qty.**	**Page** **Qty.**	**Page** **Qty.**	
		AP SI BK **2047.4** 278 1	AP SI BK **2047.4** 278 1	
		SKA 5x20 **2049.2** 78 20 SKA 5x20 **2048.2** 78 20	SKA 5x20 **2049.2** 78 20 78	
Q 2 **2164.0** 290 20	AQI 2/8/18 YE **3991.8** 293 50			
		QS 2 **2366.0** 296 50	QS 2 **2366.0** 296 50	
Q 3 **2165.0** 290 20	AQI 3/10/18 YE **3992.8** 293 50			
		QS 3 **2367.0** 296 50	QS 3 **2367.0** 296 50	
Q 4 **2166.0** 290 10	AQI 4/10/18 YE **3993.8** 293 50			
		QS 4 **2368.0** 296 20	QS 4 **2368.0** 296 20	
Q 10 **2167.0** 290 10	AQI 10/10/18 YE **3993.8** 293 50			
		QS 10 **2369.0** 296 10	QS 10 **2369.0** 296 10	
	AQI 50/10/18 YE **3993.8** 293 50			
		BS M 3x6 **2365.0** 297 100	BS M 3x6 **2365.0** 297 100	
SDB 1,2x6,5 **1088.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0,8x4,0 **1087.0** 422 1	SDB 0,8x4,0 **1087.0** 422 1	
PMC SB 6/50 WH **4702.7** 340 500	PMC SB 8/40 WH **9323.7** 342 400	PMC SB 8/40 WH **9323.7** 342 400	PMC SB 8/40 WH **9323.7** 342 400	

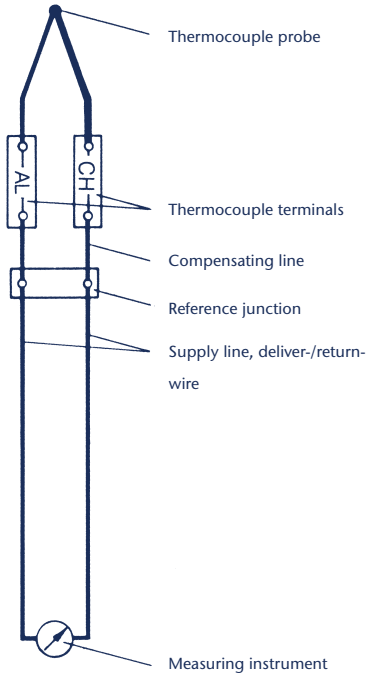
Thermocouple terminals TSK

The **TSK** series can be used to extend thermocouple measurement circuits without introducing errors caused by incompatible junction materials.



The **CONTA-CLIP TSK** terminals can be used to clearly label the thermal terminal pair in use. The busbars on the thermocouple terminals are made of the same materials as the compensating lines, in compliance with DIN 43713/DIN 43714. This ensures thermocouple signals are transmitted accurately on the junction between the thermocouple, thermocouple terminal and compensating line.
Thus the base value maintained in accordance with DIN/IEC 584.





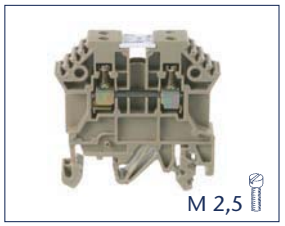
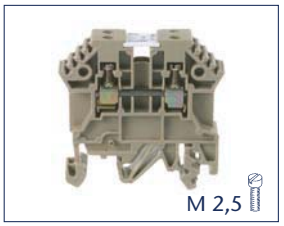
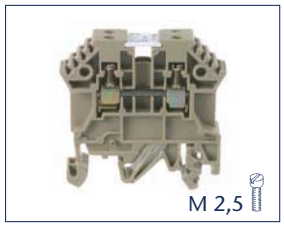
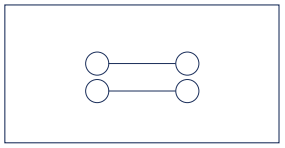
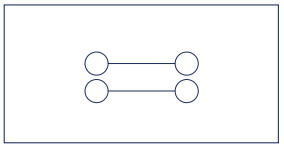
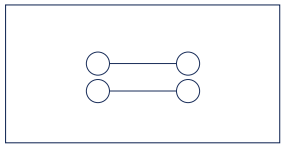
Features of the TSK 2,5

- Two-pole blocks per thermal pair
- Thermal pair is clearly labelled on the terminal block
- Terminal width of a thermal pair is 10 mm
- Material of busbars corresponds to material of compensating lines.

Busbar alloys

Type	Cat. no.	Material
TSK 2,5/T	**1200.2**	Copper/Constantan Cu/CuNi 44
TSK 2,5/J	**1201.2**	Iron / Constantan Fe/CuNi 44
TSK 2,5/E	**1202.2**	Nickel-chrome/Constantan NiCr/CuNi 44
TSK 2,5/K	**1203.2**	Nickel-chrome/Nickel NiCr/Ni
TSK 2,5/S	**1204.2**	E-copper/A-copper E-Cu/A-Cu
TSK 2,5/R	**1205.2**	E-copper/A-copper E-Cu/A-Cu

Terminal blocks for temperature measuring circuits TSK

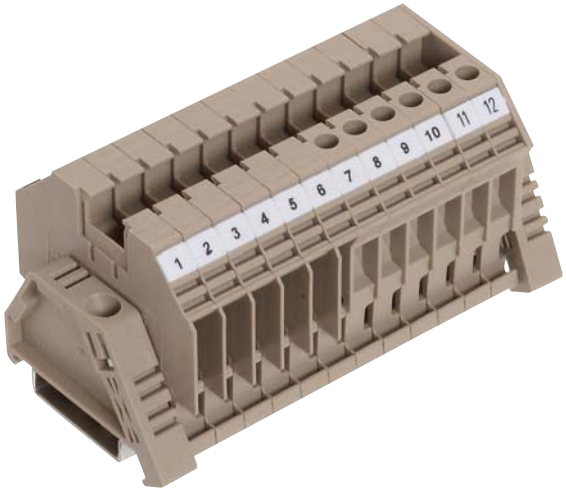
Screw connection system	TSK 2,5	TSK 2,5	TSK 2,5
	 M 2,5	 M 2,5	 M 2,5
• Busbar materials in compliance with DIN 43713/43714 • Foot can be snapped on TS 32 and TS 35 DIN rails • Housing made from polyamide 6.6 UL 94-V2			
	Feed-through terminal 4 connections	Feed-through terminal 4 connections	Feed-through terminal 4 connections

Connection type	Screw connection	Screw connection	Screw connection
Size (L x W x H)mm with TS 32, mm	48 x 10 x 51.5	48 x 10 x 51.5	48 x 10 x 51.5
Size (L x B x H) mm with TS 35 x 7.5, mm	48 x 10 x 47	48 x 10 x 47	48 x 10 x 47
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	TSK 2,5/T BG	TSK 2,5/E BG	TSK 2,5/S BG
Cat. no.	**1200.2** 50	**1202.2** 50	**1204.2** 50
Busbar material	Copper / Constantan Cu/CuNi 44	Nickel-chrome / Constantan Ni Cr/Cu Ni 44	E-copper / A-copper E-Cu/A-Cu
Type/colour	TSK 2,5/J BG	TSK 2,5/K BG	TSK 2,5/R BG
Cat. no.	**1201.2** 50	**1203.2** 50	**1205.2** 50
Busbar material	Iron / Constantan Fe/CuNi 44	Nickel-chrome / Nickel NiCr/Ni 44	E-copper / A-copper E-Cu/A-Cu
Colours available	(2)	(2)	(2)
Rated data, in compliance (Approvals on page xxx)	**IEC UL CSA**	**IEC UL CSA**	**IEC UL CSA**
Rated voltage, V	- - -	- - -	- - -
Rated current, A	- - -	- - -	- - -
Rated wire cross-section, mm² | AWG	2.5 | 22-12	2.5 | 22-12	2.5 | 22-12
Rated impulse voltage, kV | Contamination degree	8 | 3	8 | 3	8 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V2	A3 | V2	A3 | V2
Connection data			
Single wire (solid) / Stranded mm²	0.2-4 | -	0.2-4 | -	0.2-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5
Contact wire range, mm²	1|0.2-4	1|0.2-4	1|0.2-4
Stripping length, mm	7	7	7
Torque, Nm | Screw	0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels | Test pick-off	- | -	- | -	- | -
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
End plate AP **Cat. no.**	AP 2,5-10 BG **2001.2** 278 50	AP 2,5-10 BG **2001.2** 278 50	AP 2,5-10 BG **2001.2** 278 50
Partition plate TW **Cat. no.**	TW 2,5-10 BG **2002.2** 316 50	TW 2,5-10 BG **2002.2** 316 50	TW 2,5-10 BG **2002.2** 316 50
End stop ES **Cat. no.**	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50
Screwdriver SDB **Cat. no.**	SDB 0,5x3,0 **1085.0** 422 1	SDB 0,5x3,0 **1085.0** 422 1	SDB 0,5x3,0 **1085.0** 422 1
Quick marking PMC SB **Cat. no.**	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500

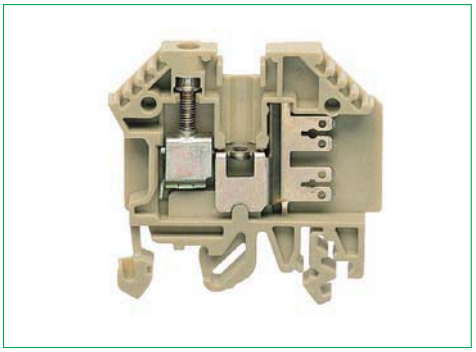
More accessories starting on page 264.

Terminal blocks with spade connection FF/SF

The spade connection is a widely standardized connection method. A spade ferrule corresponding to the cross-section is crimped on to the wire end. The spade ferrule then pushes onto the spade terminal so that the wire contacts the terminal. These terminals can be used for interfaces between electronics and electrical systems or for applications where assembled cables are being used.



The rated current of a spade connection depends on the materials and surface properties of the spade ferrule. The rating also depends on the cross-section of the crimped wire and the ambient temperature. The guidelines for permitted continuous currents are described in the DIN draft standard 46249-1. The specified rated voltages are then guaranteed only when the corresponding insulation sleeves are placed on the spade ferrules.



Features of the FF 2,5 and SF 2,5-4

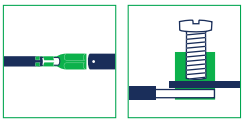
- Terminal width of only 6 mm
- Connects standard spade plugs of sizes 0.8 x 2.8 mm or 0.8 x 6.3 mm
- Can be easily adapted from spade to screw connection with SF 2,5-4
- Up to 4 spade plugs can be joined to a single potential in one terminal: FF 2,5
- Can be cross-connected using 2-, 3-, 4- or 10-pole cross-connectors

Features of the FF 1/15

- Terminal width of only 6 mm
- Connects standard spade plugs of sizes 0.8 x 2.8 mm
- Up to 4 spade plugs can be joined to a single potential in one terminal
- Can be cross-connected using 2-, 3-, 4- or 10-pole cross-connectors

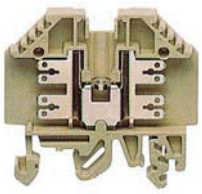
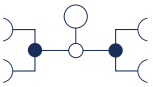
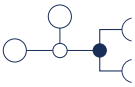
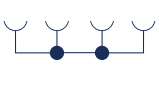
Terminal blocks with spade connection FF/SF

Screw connection system



- Foot can be snapped on TS 15, TS 32 and TS 35 DIN rails
- Housing made from polyamide 6.6 UL 94-V2

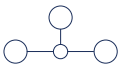
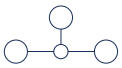
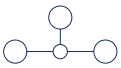
Connection diagram

	FF 2.5	SF 2.5-4	FF 1/15
		M 3	
			
	Feed-through terminal 4 or 8 connections	Feed-through terminal 3 or 5 connections	Feed-through terminal 4 connections
Connection type	**Spade connection**	**Screw connection**	**Spade connection**
Size (L x W x H)mm with TS 15, mm			32 x 6 x 34
Size (L x W x H)mm with TS 32, mm	48 x 6 x 52	48 x 6 x 52	
Size (L x B x H) mm with TS 35 x 7.5, mm	48 x 6 x 47	48 x 6 x 47	
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	FF 2.5 BG	SF 2.5-4 BG	FF 1/15 BG
Cat. no.	**1014.2** 100	**1019.2** 100	**1032.2** 100
Type colour			
Cat. no.			
Colours available	(2)	(2)	(2)
Ratings	**IEC**	**IEC**	**IEC**
Rated voltage, V	500	500	400
Rated current, A	15	15	6
Rated wire cross-section, mm² | AWG	2.5 | -	2.5 | 22-10	1 | -
Rated impulse voltage, kV | Contamination degree	6 | 3	6 | 3	6 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	- | V2	A4 | V2	- | V2
Connection data			
Single wire (solid) / Stranded mm²		0.2-6 | -	
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²		0.2-6 | 0.2-4	
Contact wire range, mm²		0.2-0,6	
Stripping length, mm		12	
Torque, Nm | Screw		0.5-1.0 | Slotted M 3	
Special connection, mm	Fast-on 0.8 x 2.8/6.3	Fast-on 0.8 x 2.8/6.3	Fast-on 0.8 x 2.8
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels | Test pick-off	1 | 1	1 | 1	1 | -

Accessories		**Page**	**Qty.**		**Page**	**Qty.**		**Page**	**Qty.**
End plate AP	AP 2,5-10 BG			AP 2,5-10 BG			AP/FF 1/15 BG		
Cat. no.	**2001.2**	278	50	**2001.2**	278	50	**2421.2**	278	50
Partition plate TW	TW 2,5-10 BG			TW 2,5-10 BG			TW 1.5-4 BG		
Cat. no.	**2002.2**	316	50	**2002.2**	316	50	**2071.2**	316	50
Insulation plate TRS	TRS 1 BG			TRS 1 BG					
Cat. no.	**2003.2**	316	100	**2003.2**	316	100			
Socket plug STB	STB 14/2.3			STB 14/2.3			STB 8.5/2.3		
Cat. no.	**2006.0**	317	50	**2006.0**	317	50	**2075.0**	317	50
Test plug PS	PS 2,3			PS 2,3			PS 2,3		
Cat. no.	**2007.0**	317	20	**2007.0**	317	20	**2007.0**	317	20
Insulating sleeve IH	IH 2.8			IH 2.8			IH 2.8		
Cat. no.	**2435.0**	213	200	**2435.0**	213	200	**2435.0**	213	200
Insulating sleeve IH	IH 6,3			IH 6,3					
Cat. no.	**2429.0**	213	200	**2429.0**	213	200			
Cross-connector Q 2 poles	Q 2			Q 2			Q 2		
Cat. no.	**2019.0**	289	50	**2019.0**	289	50	**2019.0**	289	50
Insulated cross-connection QI	QI 2 YE			QI 2 YE					
Cat. no.	**2740.2**	289	50	**2740.2**	289	50			
Cross-connector Q 3 poles	Q 3			Q 3			Q 3		
Cat. no.	**2020.0**	289	50	**2020.0**	289	50	**2020.0**	289	50
Insulated cross-connection QI	QI 3 YE			QI 3 YE					
Cat. no.	**2741.2**	289	50	**2741.2**	289	50			
Cross-connector Q 4 poles	Q 4			Q 4			Q 4		
Cat. no.	**2021.0**	289	20	**2021.0**	289	20	**2021.0**	289	20
Insulated cross-connection QI	QI 4 YE			QI 4 YE					
Cat. no.	**2742.2**	289	20	**2742.2**	289	20			
Cross-connector Q 10 poles	Q 10			Q 10			Q 10		
Cat. no.	**2022.0**	289	10	**2022.0**	289	10	**2022.0**	289	10
Insulated cross-connection QI	QI 10 YE			QI 10 YE					
Cat. no.	**2743.2**	289	10	**2743.2**	289	10			
End stop ES	ES 35/K/ST BG			ES 35/K/ST BG			ES 15 BG		
Cat. no.	**2828.0**	274	50	**2828.0**	274	50	**2074.2**	274	50
Screwdriver SDB				SDB 0.6x3.5					
Cat. no.				**1086.0**	422	1			
Quick marking PMC SB	PMC SB 6/50 WH			PMC SB 6/50 WH			PMC SB 6/50 WH		
Cat. no.	**4702.7**	340	500	**4702.7**	340	500	**4702.7**	340	500

More accessories starting on page 264.

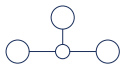
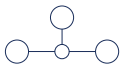
Feed-through terminals, yellow/green RK

Screw connection system	RK 2.5/PE	RK 2.5-4/PE	RK 6-10/PE
	M 2.5	M 3	M 4
• No protective earth function (no contact with DIN rail) • Foot can be snapped on TS 32 and TS 35 DIN rails • Housing made from polyamide 6.6 UL 94-V2			
	Feed-through terminal 2 connections	Feed-through terminal 2 connections	Feed-through terminal 2 connections

Connection type	Screw connection	Screw connection	Screw connection
Size (L x W x H) with TS 32, mm	48 x 5 x 51.5	48 x 6 x 51.5	48 x 8 x 51.5
Size (L x W x H) with TS 35 x 7.5 mm	48 x 5 x 47	48 x 6 x 47	48 x 8 x 47
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	RK 2.5/PE YEGN	RK 2.5-4/PE YEGN	RK 6-10/PE YEGN
Cat. no.	**1562.2** 100	**1563.2** 100	**1564.2** 100
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available			
Ratings			
Rated voltage, V			
Rated current, A			
Rated wire cross-section, mm² | AWG	2.5 | 22-12	4 | 22-10	10 | 22-8
Rated impulse voltage, kV | Contamination degree	8 | 3	6 | 3	6 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V2	A4 | V2	A5 | V2
Connection data			
Single wire (solid) / Stranded mm²	0.2-4 | -	0.2-6 | -	0.2-10 | 0.2-10
Finely stranded/Finely stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5	0.2-6 | 0.2-4	0.2-10 | 0.2-10
Contact wire range, mm²	0.2-4	0.2-6	0.2-10
Stripping length, mm	7	12	12
Torque, Nm | Screw	0.4-0.8 | Slotted M 2.5	0.5-1.0 | Slotted M 3	1.2-2.0 | Slotted M 4
Special connection, mm	-	-	-
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels | Test pick-off	1 | -	1 | -	1 | -

Accessories	Page	Qty.	Page	Qty.	Page	Qty.
End plate AP	AP 2.5-10 YE		AP 2.5-10 YE		AP 2.5-10 YE	
Cat. no.	**2001.8** 278	50	**2001.8** 278	50	**2001.8** 278	50
Partition plate TW	TW 2.5-10 BG		TW 2.5-10 BG		TW 2.5-10 BG	
Cat. no.	**2002.5** 316	50	**2002.2** 316	50	**2002.2** 316	50
Insulation plate TRS	TRS 3 BG		TRS 1 BG		TRS 1 BG	
Cat. no.	**2566.2** 316	100	**2003.2** 316	100	**2003.2** 316	100
Cross-connector Q / Insulated cross-connector QI/AQI	Q 2		Q 2		Q 2	
Cat. no.	**2567.0** 288	50	**2019.0** 289	50	**2060.0** 289	50
Cross-connector Q / Insulated cross-connector QI/AQI			QI 2 YE		QI 2 YE	
Cat. no.			**2740.2** 289	50	**2750.2** 289	50
Cross-connector Q / Insulated cross-connector QI/AQI	Q 3		Q 3		Q 3	
Cat. no.	**2568.0** 288	50	**2020.0** 289	50	**2061.0** 289	50
Cross-connector Q / Insulated cross-connector QI/AQI			QI 3 YE		QI 3 YE	
Cat. no.			**2741.2** 289	50	**2751.2** 289	50
Cross-connector Q / Insulated cross-connector QI/AQI	Q 4		Q 4		Q 4	
Cat. no.	**2569.0** 288	20	**2021.0** 289	20	**2062.0** 289	20
Cross-connector Q / Insulated cross-connector QI/AQI			QI 4 YE		QI 4 YE	
Cat. no.			**2742.2** 289	20	**2752.2** 289	20
Cross-connector Q / Insulated cross-connector QI/AQI	Q 10		Q 10		Q 10	
Cat. no.	**2570.0** 288	10	**2022.0** 289	10	**2063.0** 289	10
Cross-connector Q / Insulated cross-connector QI/AQI			QI 10 YE		QI 10 YE	
Cat. no.			**2743.2** 289	10	**2753.2** 289	10
Cover AD						
Cat. no.						
Inlay profile EP						
Cat. no.						
Allen key socket wrench ISKS						
Cat. no.						
Screwdriver SDB	SDB 0.5x3		SDB 0.6x3.5		SDB 0.8x4.0	
Cat. no.	**1085.0** 422	1	**1086.0** 422	1	**1087.0** 422	1
Quick marking PMC SB	PMC SB 5/50 WH		PMC SB 6/50 WH		PMC SB 6/50 WH	
Cat. no.	**4600.7** 339	500	**4702.7** 340	500	**4702.7** 340	500

More accessories starting on page 264.

RK 16/35 N/PE	RK 35/35 N/PE			
M 5	M 6			
				
Feed-through terminal 2 connections	Feed-through terminal 2 connections			
Screw connection	**Screw connection**			
54 x 11.9 x 47	58 x 16 x 52			
Qty.	**Qty.**			
RK 16/35 N/PE YEGN **1565.2** 50	RK 35/35 N/PE YEGN **1566.2** 20			
16 | 10-6 8 | 3 B7 | V2	35 | 12-2 8 | 3 B9 | V2			
2.5-16 | 2.5-25 2.5-16 | 2.5-16	2.5-16 | 2.5-50 2.5-35 | 2.5-35			
0.2-25 15	0.2-50 20			
2.0-4.0 | Slotted M 5 -	2.5-5,0 | Slotted M 6 -			
PA 6.6 | -40 to +105°C 1 | -	PA 6.6 | -40 to +105°C 1 | -			
Page Qty.	**Page Qty.**			
Q 2 **2257.0** 290 20	Q 2 **2164.0** 290 20			
Q 3 **2258.0** 290 20	Q 3 **2165.0** 290 20			
Q 4 **2265.0** 290 10	Q 4 **2166.0** 290 10			
Q 10 **2266.0** 290 10	Q 10 **2167.0** 290 10			
SDB 0.8x4.0 **1087.0** 422 1	SDB 1.2x6.5 **1088.0** 422 1			
PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500			

Feed-through terminals, yellow/green RK

Screw connection system	RK 50/PE	RK 95/PE	RK 150/PE
	M 6	M 8	M 10
• No protective earth function (no contact with DIN rail) • Foot can be snapped on TS 32 and TS 35 DIN rails • Housing made from polyamide 6.6 UL 94-V2			
	Feed-through terminal 2 connections	Feed-through terminal 2 connections	Feed-through terminal 2 connections
Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Size (L x W x H) with TS 32, mm	78 x 20 x 82	84 x 25 x 94	93 x 31 x 118.5
Size (L x W x H) with TS 35 x 7.5 mm	79 x 20 x 76.5	84 x 25 x 88.5	93 x 31 x 112.8
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	RK 50/PE YEGN	RK 95/PE YEGN	RK 150/PE YEGN
Cat. no.	**1567.2** 10	**1568.2** 10	**1569.2** 5
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Type colour			
Cat. no.			
Colours available			
Ratings			
Rated voltage, V			
Rated current, A			
Rated wire cross-section, mm² | AWG	50 | 1/0-6	95 | 4/0-2	150 | 300-2
Rated impulse voltage, kV | Contamination degree	8 | 3	8 | 3	8 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	B10 | V2	B12 | V2	B14 | V2
Connection data			
Single wire (solid) / Stranded mm²	16-50 | 25-50	25-95 | 35-95	35-150 | 50-150
Finely stranded/Finely stranded (w/ferrules acc. to DIN 46 228/1) mm²	25-50 | 25-50	35-95 | 35-95	50-150 | 50-150
Contact wire range, mm²	16-50	25-95	35-150
Stripping length, mm	27	30	38
Torque, Nm | Screw	3-6 | Hexagon socket M 6	6-12 | Hexagon socket M 8	10-20 | Hexagon socket M 10
Banded wire up to mm	11.8 x 5	16 x 6	20 x 8
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels | Test pick-off	-	-	-

Accessories		**Page**	**Qty.**		**Page**	**Qty.**		**Page**	**Qty.**
The AQI external insulated cross-connection		AQI 2/50 YE			AQI 2/95 YE			AQI 2/150 YE	
Cat. no.	2 poles	**2763.2**	293	5	**2765.2**	294	5	**2767.2**	294	5
External insulated cross-connection AQI		AQI 3/50 YE			AQI 3/95 YE			AQI 3/150 YE	
Cat. no.	3 poles	**2764.2**	293	5	**2766.2**	294	5	**2768.2**	294	5
Cover AD		AD 1/50/B YE			AD 1/95/B YE			AD 1/150/B YE	
Cat. no.		**2810.0**	291	20	**2804.0**	311	20	**2806.0**	311	20
Inlay profile EP		EP 50			EP 95			EP 150	
Cat. no.		**2274.0**	41	10	**2275.0**	41	10	**2277.0**	41	10
Allen key socket wrench ISKS		ISKS 5			ISKS 6			ISKS 8	
Cat. no.		**2818.0**	422	1	**2772.0**	422	1	**2773.0**	422	1
End stop ES		ES 35/K/ST BG			ES 35/K/ST BG			ES 35/K/ST BG	
Cat. no.		**2828.0**	274	50	**2828.0**	274	50	**2828.0**	274	50
Quick marking PMC SB		PMC SB 6/50 WH			PMC SB 6/50 WH			PMC SB 6/50 WH	
Cat. no.		**4702.7**	340	500	**4702.7**	340	500	**4702.7**	340	500

More accessories starting on page 264.

RK 240/PE

Feed-through terminal
2 connections

Screw connection

93 x 36 x 132

93 x 36 x 126.3

	Qty.
RK 240/PE YEGN **1570.2**	5

240 | 500-2/0

8 | 3

B16 | V2

70-240 | 70-240

70-240 | 70-185

70-240

38

10-20 | Hexagon socket M 10

20 x 12

PA 6.6 | -40 to +105°C

-

	Page	Qty.
AQI 2/240 YE **2769.2**	294	5
AQI 3/240 YE **2770.2**	294	5
AD 1/240/B YE **2808.0**	311	20
EP 240 **2360.0**	41	10
ISKS 8 **2773.0**	422	1
ES 35/K/ST BG **2828.0**	274	50
PMC SB 6/50 WH **4702.7**	340	500

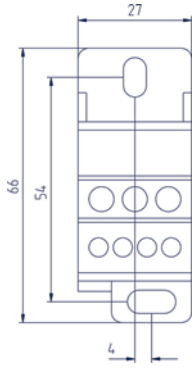
Screw-distributor blocks SVB

The **SVB** screw-type distributor block makes it possible to distribute potential and power in a compact space without any additional accessories. You can use the distributor block to establish an electro-mechanical connection between a wire with a large cross-section and one or more wires with small cross-sections. They can be used in installation and distribution board construction and also in controller construction for machinery.

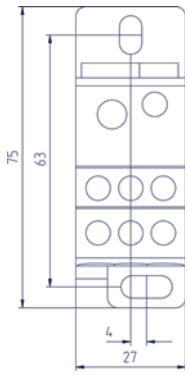
The SVB blocks are mounted by snapping them on to **TS 35** DIN rails. They can also be attached directly to a mounting plate using the screw flange located on the side of the housing.

Diagrams

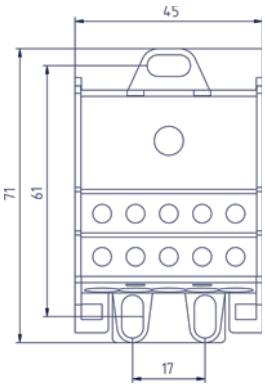
SVB 80 — **Diagram 1**



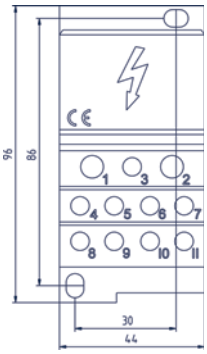
SVB 125 — **Diagram 2**



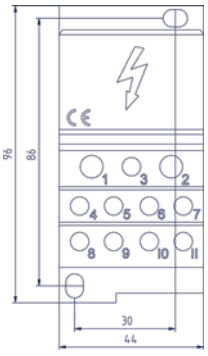
SVB 175 — **Diagram 3**



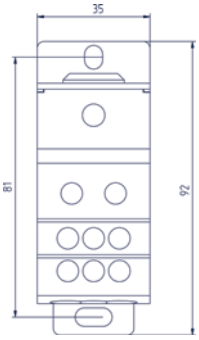
SVB 250 — **Diagram 4**



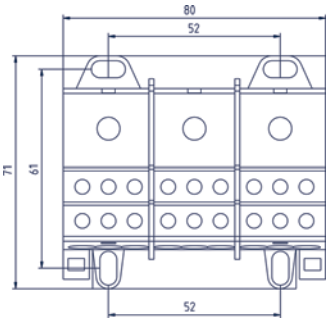
SVB 400 — **Diagram 5**



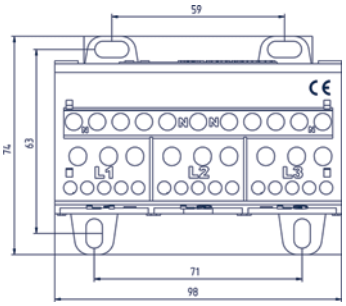
SVB 160 — **Diagram 6**



SVB 175/3 — **Diagram 7**



SVB 125/4 — **Diagram 8**



Screw-distributor blocks SVB

Screw connection system

Features
- High short-circuit resistance rating
- IP20-class protection
- Simple handling
- Space-saving design

- Foot base can be snapped on TS 35 DIN rail or suitable for direct mounting
- Modular design (single- or three-phase block)
- Suitable for copper wires
- Housing made from polyamide 6.6 UL 94-V0

	SVB 80	SVB 125	SVB 175
	Diagram 1 Page 219	**Diagram 2** Page 219	**Diagram 3** Page 219
	Current distributor block 7 connections	Current distributor block 8 connections	Current distributor block 11 connections
Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Dimensions (L x W x H), directly installed, mm	66 x 27 x 47	75 x 27 x 47	71 x 45 x 43
Size (L x W x H) with TS 35 x 7.5 mm	66 x 27 x 50	75 x 27 x 50	71 x 45 x 46
Weight, g	63	134	228
Type	**Qty.**	**Qty.**	**Qty.**
Type	SVB 80 LG	SVB 125 LG	SVB 175 LG
Cat. no.	**1740.0** 1	**1741.0** 1	**1742.0** 1
Colours available			
Ratings	**IEC UL cUL**	**IEC UL cUL**	**IEC UL cUL**
Rated voltage, V	1000 600 600	1000 600 600	1000 600 600
Rated current, A	80 80 80	125 115 115	175 115 175
Rated cross-section for input and output, mm²	16 | 16 – 6	35 – 16 | 16	70 | 16
Rated cross-section for input and output, AWG	8 – 4 | 14 – 4	8 – 2 | 14 – 4	8 – 2 | 14 – 6
Rated impulse voltage, kV | Contamination degree	2.5 | 3	2.5 | 3	2.5 | 3
Flamm. class UL 94	V0	V0	V0
Short-circuit resistance rating			
Short-circuit current resistance IPK (peak value), kA	2,7	30	30
Short-circuit current resistance ICW over 1s, kA	1,9	4,2	11
SCCR rating kV | Class J series fuse required, A	100 | 80	100 | 125	-
Connection data			
Inputs	**A B C**	**A B C**	**A B C**
Number of connections	1	1 1	1
Clampable wire: mm²	2.5-16	10-35 2.5-16	16-70
“e” single wire H07V-U	2.5-16	10-35 2.5-16	16-70
“m” stranded H07V-R	2.5-16	10-35 2.5-16	16-70
“f” finely stranded H07V-K	2.5-16	10-35 2.5-16	16-50
“f” finely stranded H07V-K and ferrule DIN 46 228/1	2.5-16	10-35 2.5-16	16-50
“f” finely stranded H07V-K and ferrule with plastic collar	2.5-16	10-35 2.5-16	16-50
Diameter mm	7	10 7	12
Torque Nm	1,5 – 3	3,5-5 3,5-5	6-10
Terminal screw	M5	M8 M6	M10
Blade size	PZ2	M4 M4	M5
Stripping length mm	10 – 12	14-16 12-15	14-16
Outputs	**A B C**	**A B C**	**A B C**
Number of connections	2 4	6	10
Clampable wire: mm²	2.5-16 2.5-6	2.5-16	2.5-16
“e” single wire H07V-U	2.5-16 2.5-6	2.5-16	2.5-16
“m” stranded H07V-R	2.5-16 2.5-6	2.5-16	2.5-16
“f” finely stranded H07V-K	2.5-16 2.5-6	2.5-16	2.5-10
“f” finely stranded H07V-K and ferrule DIN 46 228/1	2.5-16 2.5-6	2.5-16	2.5-10
“f” finely stranded H07V-K and ferrule with plastic collar	2.5-16 2.5-6	2.5-16	2.5-10
Diameter mm	7 4,5	6.5	6.5
Torque Nm	1.5-3 0.8-1,5	2-3	3-4
Terminal screw	M5 M4	M5	M6
Blade size	PZ2 PZ1	PZ2	M3
Stripping length mm	10-12 9-12	10-12	10-12
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
End stop ES **Cat. no.**	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50
Allen key socket wrench ISKS **Cat. no.**			ISKS 5 **2818.0** 422 1
Allen key socket wrench ISKS **Cat. no.**			
Screwdriver SDK **Cat. no.**	SDK 1,0x80 **2289.0** 422 1		
Screwdriver SDK **Cat. no.**	SDK 1,0x100 **2290.0** 422 1	SDK 1,0x100 **2290.0** 422 1	
Additional accessories			

More accessories starting on page 264.

SVB 250

Diagram 4
Page 219

Current distributor block
12 connections

Screw connection

96 x 44 x 50
96 x 44 x 53
434

	Qty.
SVB 250 LG	
1743.0	1

IEC	UL
1000	600
250	230
120 | 35–16–10	
2 – 4 (1)	
2.5 | 3	
V0	
51	
24.5	
100 | 250	

A	B	C
1		
35-120		
35-120		
35-120		
35-95		
35-95		
35-95		
15		
19-21		
M14		
M6		
27-29		

A	B	C
2	5	4
6-35	1.5-16	1.5-10
6-35	1.5-16	1.5-10
6-35	1.5-16	1.5-10
6-25	1.5-16	1.5-10
6-25	1.5-16	1.5-10
6-25	1.5-16	1.5-10
9	6.5	6
3,5-7	2-3	2-3
M8	M6	M6
1.2 x 6.5	0.8 x 4.0	0.8 x 4.0
10-12	10-12	10-12

	Page	Qty.
ES 35/K/ST BG		
2828.0	274	50
ISKS 6		
2772.0	422	1
SDB 0.8x4.0		
1087.0	422	1
SDB 1.2x6.5		
1088.0	422	1

SVB 400

Diagram 5
Page 219

Current distributor block
12 connections

Screw connection

96 x 44 x 50
96 x 44 x 53
414

	Qty.
SVB 400 LG	
1744.0	1

IEC	UL
1000	600
400	310
185 | 35–16–10	
3/0 – 350	
2.5 | 3	
V0	
51	
21	
100 | 350	

A	B	C
1		
95-185		
95-185		
95-185		
95-150		
95-150		
95-150		
19		
25-27		
M16		
M8		
27-29		

A	B	C
2	5	4
6-35	1.5-16	1.5-10
6-35	1.5-16	1.5-10
6-35	1.5-16	1.5-10
6-25	1.5-16	1.5-10
6-25	1.5-16	1.5-10
6-25	1.5-16	1.5-10
9	6.5	6
3,5-7	2-3	2-3
M8	M6	M6
1.2 x 6.5	0.8 x 4.0	0.8 x 4.0
10-12	10-12	10-12

	Page	Qty.
ES 35/K/ST BG		
2828.0	274	50
ISKS 8		
2773.0	422	
SDB 0.8x4.0		
1087.0	422	1
SDB 1.2x6.5		
1088.0	422	1

SVB 160

Diagram 6
Page 219

Current distributor block
7 connections with busbar distribution

Screw connection

92 x 35 x 50
92 x 35 x 54
238

	Qty.
SVB 160 LG	
1746.0	1

IEC	UL	cUL
1000	600	600
160	160	160
70 | 126		
8 – 2/0 | 14 – 4		
2.5 | 3		
V0		
30		
11		
100 | 175		

A	B	C
1		
10-70		
10-70		
10-70		
10-70		
10-70		
10-70		
13		
5-6		
M10		
M5		
16-18		

A	Busbar
6	16 x 5 mm max.
2.5-16	
2.5-16	
2.5-16	
2.5-16	
2.5-16	
2.5-16	
2.5-16	
7	
1.5-3	2-3
M5	M6
PZ2	M5
10-12	-

	Page	Qty.
ES 35/K/ST BG		
2828.0	274	50
ISKS 5		
2818.0	422	1
ISKS 6		
2772.0	422	1

SVB 175/3

Diagram 7
Page 219

Current distributor block
3 x 7 connections

Screw connection

71 x 80 x 43
71 x 80 x 46
386

	Qty.
SVB 175/3 LG	
1745.0	1

IEC	UL	cUL
1000	600	600
175	115	175
70 | 16		
8 – 2 | 14 – 6		
2.5 | 3		
V0		
30		
11		
100 | 175		

A	B	C
3 x 1		
16-70		
16-70		
16-70		
16-70		
16-50		
16-50		
16-50		
12		
6-10		
M10		
M5		
14-16		

A	B	C
3 x 6		
2.5-16		
2.5-16		
2.5-16		
2.5-16		
2.5-10		
2.5-10		
2.5-10		
6.5		
3-4		
M6		
M3		
10-12		

	Page	Qty.
ES 35/K/ST BG		
2828.0	274	50
ISKS 5		
2818.0	422	1
ISKS 6		
2772.0	422	1

SVB 125/4

Diagram 8
Page 219

Current distributor block
3 x 8 connections with neutral busbar

Screw connection

74 x 98 x 50
74 x 98 x 53
314

	Qty.
SVB 125/4 LG	
1747.0	1

IEC
690
125
35 | 16
-
2.5 | 3
V0
30
11,8
-

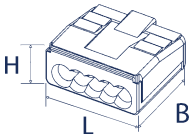
A	B	C
3 x 1	3 x 5	3 x 2
6-35	1.5-6	4-16
6-35	1.5-6	4-16
6-35	1.5-6	4-16
6-25	1.5-6	4-10
6-25	1.5-6	4-10
6-25	1.5-6	4-10
9	5	7
1,5	0.8	1,5
M5	M4	M5
PZ2	PZ1	PZ2
12-18	9-12	12-18

Neutral wire	Neutral wire	Neutral wire
1	4	6
6-35	1.5-6	4-16
6-35	1.5-6	4-16
6-35	1.5-6	4-16
6-25	1.5-6	4-10
6-25	1.5-6	4-10
6-25	1.5-6	4-10
9	5	7
1,5	0.8	1,5
M5	M4	M5
PZ2	PZ1	PZ2
12-18	9-12	12-18

	Page	Qty.
ES 35/K/ST BG		
2828.0	274	50
SDK 1,0x80		
2289.0	422	1
SDK 1,0x100		
2290.0	422	1

Pressure-spring junction terminals D

Pressure-spring junction terminal 1.5 mm²



Features:
- For single-core wire
- Housing made from polyamide 6.6 UL 94-V2
- Temperature range: -20°C to +80°C
- Can be mounted side-by-side

	D1.5/2	D1.5/3	D1.5/4
	Junction terminal 1.5 mm² 2 poles	Junction terminal 1.5 mm² 3 poles	Junction terminal 1.5 mm² 4 poles
Connection type	**Pressure-spring system**	**Pressure-spring system**	**Pressure-spring system**
Dimensions (L x W x H), mm	9.1 x 16.3 x 8.0	12.0 x 16.3 x 8.0	14.8 x 16.3 x 8.0
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	D1.5/2 LG	D1.5/3 LG	D1.5/4 LG
Cat. no.	**3980.0** 100	**3981.0** 100	**3982.0** 100
Ratings	**IEC / UL**	**IEC / UL**	**IEC / UL**
Rated voltage, V	450 / 450	450 / 450	450 / 450
Rated current, A (UL: AWG 16/18)	20 / 18/17	20 / 18/17	20 / 18/17
Connection data			
Single-core (solid), mm²| AWG	0.75 - 1.5 | 18 - 16	0.75 - 1.5 | 18 - 16	0.75 - 1.5 | 18 - 16
Stripping length, mm	10	10	10
No. of poles	2	3	4
Material			
Material of insulated housing	PA 6	PA 6	PA 6
Temperature range	-20°C to +80°c	-20°C to +80°c	-20°C to +80°c
Flamm. class acc. to UL 94	V2	V2	V2
Busbar	Copper alloy	Copper alloy	Copper alloy
Pressure spring	Steel	Steel	Steel

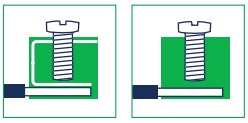
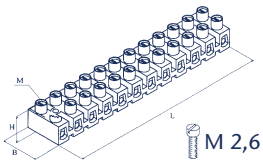
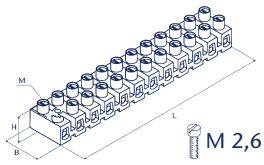
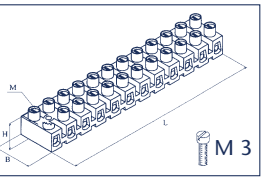
Pressure-spring junction terminal 2.5 mm²

	D2.5/2	D2.5/3	D2.5/4
	Junction terminal 2.5mm² 2 poles	Junction terminal 2.5 mm² 3 poles	Junction terminal 2.5 mm² 4 poles
Connection type	**Pressure-spring system**	**Pressure-spring system**	**Pressure-spring system**
Dimensions (L x W x H), mm	10.7 x 17.5 x 9.0	14.4 x 17.5 x 9.0	18.0 x 17.5 x 9.0
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	D2.5/2 DG	D2.5/3 DG	D2.5/4 DG
Cat. no.	**3985.4** 100	**3986.4** 100	**3987.4** 100
Ratings	**IEC / UL**	**IEC / UL**	**IEC / UL**
Rated voltage, V	450 / 450	450 / 450	450 / 450
Rated current, A	25 / 30	25 / 30	25 / 30
Connection data			
Single-core (solid), mm²| AWG	1.0 - 2.5 | 14	1.0 - 2.5 | 14	1.0 - 2.5 | 14
Stripping length, mm	10	10	10
No. of poles	2	3	4
Material			
Material of insulated housing	PA 6	PA 6	PA 6
Temperature range	-20°C to +80°C	-20°C to +80°c	-20°C to +80°c
Flamm. class acc. to UL 94	V2	V2	V2
Busbar	Copper alloy	Copper alloy	Copper alloy
Pressure spring	Steel	Steel	Steel

D1.5/5	D1.5/8			
Junction terminal 1.5 mm² 5 poles	Junction terminal 1.5 mm² 8 poles			
Pressure-spring system	**Pressure-spring system**			
17.6 x 16.3 x 8.0	26.0 x 16.3 x 8.0			
Qty.	**Qty.**			
D1.5/5 LG	D1.5/8 LG			
3983.0 100	**3984.0** 100			
IEC / **UL**	**IEC** / **UL**			
450 / 450	450 / 450			
20 / 18/17	20 / 18/17			
0.75 - 1.5 | 18 - 16	0.75 - 1.5 | 18 - 16			
10	10			
5	8			
PA 6	PA 6			
-20°C to +80°C	-20°C to +80°C			
V2	V2			
Copper alloy	Copper alloy			
Steel	Steel			

D2.5/5	D2.5/8	Pressure-spring junction terminal 4 mm²	D4.0/3
Junction terminal 2.5 mm² 5 poles	Junction terminal 2.5 mm² 8 poles		Junction terminal 4.0 mm² 3 poles
Pressure-spring system	**Pressure-spring system**		**Pressure-spring system**
21.5 x 17.5 x 9.0	32.3 x 17.5 x 9.0	Dimensions (L x W x H), mm	18.0 x 21.8 x 13.05
Qty.	**Qty.**	**Type**	**Qty.**
D2.5/5 DG	D2.5/8 DG	Type/colour	D4.0/3 LG
3988.4 100	**3989.4** 100	**Cat. no.**	**3990.0** 50
IEC / **UL**	**IEC** / **UL**	**Ratings**	**IEC** / **UL**
450 / 450	450 / 450	Rated voltage, V	450 / 450
25 / 30	25 / 30	Rated current, A (UL: AWG 12/16)	32 / 35/18
1.0 - 2.5 | 14	1.0 - 2.5 | 14	**Connection data**	1.5 - 4.0| 16 - 12
10	10	Single-core (solid), mm²| AWG	10
5	8	Stripping length, mm	3
PA 6	PA 6	No. of poles	PA 6
-20°C to +80°C	-20°C to +80°C	**Material**	-20°C to +80°C
V2	V2	Material of insulated housing	V2
Copper alloy	Copper alloy	Temperature range	Copper alloy
Steel	Steel	Flamm. class acc. to UL 94	Steel
		Busbar	
		Pressure spring	

Cuttable terminal strips EKB

Screw connection system	EKB 1,5/...DS	EKB 1,5/...	EKB 2.5/...DS
			
			
	Cuttable terminal 1.5 mm² with wire protection	Cuttable terminal 1.5 mm² without wire protection	Cuttable terminal 2.5 mm² with wire protection

The EKB variants cover a rated cross-section range from 1.5 to 10 mm2. They are available from 1 to 12 poles. An attachment hole is located between each of the poles which guarantees proper mechanical alignment during installation. The terminal housing is made from high-quality polyamide (PA 6.6 UL 94-V2).

Features:

- Housing made from polyamide 6.6 UL 94-V2
- colour: transparent/black/white
- Terminal body: Nickel-plated brass
- Wire protection spring: Stainless spring steel

Connection type	Screw connection	Screw connection	Screw connection
Dimensions (L x W x H),mm	95.4* x 18 x 14	95.4* x 18 x 14	117.5* x 20 x 17

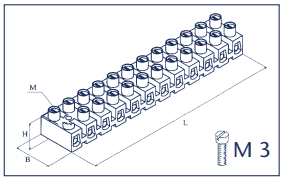
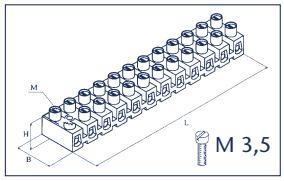
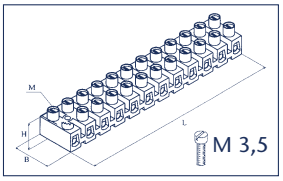
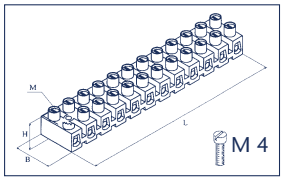
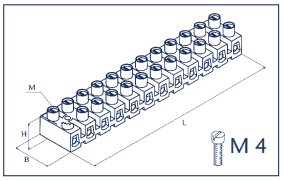
Type	Length, mm	Qty.	Length, mm	Qty.	Length, mm	Qty.
Type/colour	EKB 1,5/1 DS		EKB 1,5/1		EKB 2.5/2 DS	
Cat. no.	**1806.0** 5.7	100	**1964.0** 5.7	100	**1818.0** 6.4	100
Type/colour	EKB 1,5/2 DS		EKB 1,5/2		EKB 2.5/2 DS	
Cat. no.	**1807.0** 13.9	100	**1965.0** 13.9	100	**1819.0** 16.5	100
Type/colour	EKB 1,5/3 DS		EKB 1,5/3		EKB 2.5/3 DS	
Cat. no.	**1808.0** 23.1	100	**1966.0** 23.1	100	**1820.0** 26.6	100
Type/colour	EKB 1,5/4 DS		EKB 1,5/4		EKB 2.5/4 DS	
Cat. no.	**1809.0** 30.3	100	**1967.0** 30.3	100	**1821.0** 36.7	100
Type/colour	EKB 1,5/5 DS		EKB 1,5/5		EKB 2.5/5 DS	
Cat. no.	**1810.0** 38.5	100	**1968.0** 38.5	100	**1822.0** 46.8	100
Type/colour	EKB 1,5/6 DS		EKB 1,5/6		EKB 2.5/6 DS	
Cat. no.	**1811.0** 46.7	100	**1969.0** 46.7	100	**1823.0** 56.9	100
Type/colour	EKB 1,5/7 DS		EKB 1,5/7		EKB 2.5/7 DS	
Cat. no.	**1812.0** 54.9	100	**1970.0** 54.9	100	**1824.0** 67	100
Type/colour	EKB 1,5/8 DS		EKB 1,5/8		EKB 2.5/8 DS	
Cat. no.	**1813.0** 63.1	100	**1971.0** 63.1	100	**1825.0** 77.1	100
Type/colour	EKB 1,5/9 DS		EKB 1,5/9		EKB 2.5/9 DS	
Cat. no.	**1814.0** 71.3	100	**1972.0** 71.3	100	**1826.0** 87.2	100
Type/colour	EKB 1,5/10 DS		EKB 1,5/10		EKB 2.5/10 DS	
Cat. no.	**1815.0** 79.5	100	**1973.0** 79.5	100	**1827.0** 97.3	100
Type/colour	EKB 1,5/11 DS		EKB 1,5/11		EKB 2.5/11 DS	
Cat. no.	**1816.0** 87.7	100	**1974.0** 87.7	100	**1828.0** 107.4	100
Type/colour	EKB 1,5/12 DS		EKB 1,5/12		EKB 2.5/12 DS	
Cat. no.	**1817.0** 95.4	100	**1975.0** 95.4	100	**1829.0** 117.5	100
Colours available						

Ratings	IEC	IEC	IEC
Rated voltage, V	450	450	450
Rated current, A	17.5	17.5	24
Rated cross-section, mm²	1.5	1.5	2.5
Torque, Nm | Screw	0.4 | Slotted M2.6	0.4 | Slotted M2.6	0.5 I Slotted M3
Connection data			
Single-core (solid), mm²| AWG	0.75 - 2.5	0.75 - 2.5	1.5 - 4
Finely stranded, mm²	0.75 - 1.5	0.75 - 1.5	1.5 - 2.5
Finely stranded (w/ferrules acc. to DIN 46 228/1), mm²	0.5 - 1.5	0.5 - 1.5	0.75 - 2.5

Material of insulated housing			
Material of insulated housing	PA 6.6	PA 6.6	PA 6.6
Flamm. class acc. to UL 94	V2	V2	V2
Temperature range	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C

Accessories	Page	Qty.	Page	Qty.	Page	Qty.
Screwdriver SDB	SDB 0.6x3.5		SDB 0.6x3.5		SDB 0.6x3.5	
Cat. no.	**1086.0** 422	1	**1086.0** 422	1	**1086.0** 422	1

*= The length of the 12-pole version is specified here. Additional pole-dependent lengths are specified next to the catalogue numbers.

EKB 2.5/...	EKB 4/...DS	EKB 4/...	EKB 10/...DS	EKB 10/...
				
Cuttable terminal 2.5 mm² without wire protection	Cuttable terminal 4 mm² with wire protection	Cuttable terminal 4 mm² without wire protection	Cuttable terminal 10 mm² with wire protection	Cuttable terminal 10 mm² without wire protection
Screw connection	**Screw connection**	**Screw connection**	**Screw connection**	**Screw connection**
117.5* x 20 x 17	135.7* x 23 x 19	135.7* x 23 x 19	174* x 28 x 22	174* x 28 x 22

	Length, mm	Qty.
EKB 2.5/1 **1976.0**	6.4	100
EKB 2.5/2 **1977.0**	16.5	100
EKB 2.5/3 **1978.0**	26.6	100
EKB 2.5/4 **1979.0**	36.7	100
EKB 2.5/5 **1980.0**	46.8	100
EKB 2.5/6 **1981.0**	56.9	100
EKB 2.5/7 **1982.0**	67	100
EKB 2.5/8 **1983.0**	77.1	100
EKB 2.5/9 **1984.0**	87.2	100
EKB 2.5/10 **1985.0**	97.3	100
EKB 2.5/11 **1986.0**	107.4	100
EKB 2.5/12 **1987.0**	117.5	100

	Length, mm	Qty.
EKB 4/1 DS **1830.0**	8.1	100
EKB 4/2 DS **1831.0**	19.7	100
EKB 4/3 DS **1832.0**	31.3	100
EKB 4/4 DS **1833.0**	42.9	100
EKB 4/5 DS **1834.0**	54.5	100
EKB 4/6 DS **1835.0**	66.1	100
EKB 4/7 DS **1836.0**	77.7	100
EKB 4/8 DS **1837.0**	89.3	100
EKB 4/9 DS **1838.0**	100.9	100
EKB 4/10 DS **1839.0**	112.5	100
EKB 4/11 DS **1840.0**	124.1	100
EKB 4/12 DS **1841.0**	135.7	100

	Length, mm	Qty.
EKB 4/1 **1988.0**	8.1	100
EKB 4/2 **1989.0**	19.7	100
EKB 4/3 **1990.0**	31.3	100
EKB 4/4 **1991.0**	42.9	100
EKB 4/5 **1992.0**	54.5	100
EKB 4/6 **1993.0**	66.1	100
EKB 4/7 **1994.0**	77.7	100
EKB 4/8 **1995.0**	89.3	100
EKB 4/9 **1996.0**	100.9	100
EKB 4/10 **1997.0**	112.5	100
EKB 4/11 **1998.0**	124.1	100
EKB 4/12 **1999.0**	135.7	100

	Length, mm	Qty.
EKB 10/1 DS **1842.0**	12.3	100
EKB 10/2 DS **1843.0**	27	100
EKB 10/3 DS **1844.0**	41.7	100
EKB 10/4 DS **1845.0**	56.4	100
EKB 10/5 DS **1846.0**	71.1	100
EKB 10/6 DS **1847.0**	85.5	100
EKB 10/7 DS **1848.0**	100.5	100
EKB 10/8 DS **1849.0**	115.2	100
EKB 10/9 DS **1850.0**	129.9	100
EKB 10/10 DS **1851.0**	144.6	100
EKB 10/11 DS **1852.0**	159.3	100
EKB 10/12 DS **1853.0**	174	100

	Length, mm	Qty.
EKB 10/1 **1750.0**	12.3	100
EKB 10/2 **1751.0**	27	100
EKB 10/3 **1752.0**	41.7	100
EKB 10/4 **1753.0**	56.4	100
EKB 10/5 **1754.0**	71.1	100
EKB 10/6 **1755.0**	85.5	100
EKB 10/7 **1756.0**	100.5	100
EKB 10/8 **1757.0**	115.2	100
EKB 10/9 **1758.0**	129.9	100
EKB 10/10 **1759.0**	144.6	100
EKB 10/11 **1760.0**	159.3	100
EKB 10/12 **1761.0**	174	100

IEC	**IEC**	**IEC**	**IEC**	**IEC**
450	450	450	450	450
24	32	32	57	57
2.5	4	4	10	10
0.5 I Slotted M3	0.8 | Slotted M3.5	0.8 | Slotted M3.5	1.2 | Slotted M4	1.2 | Slotted M4
1.5 - 4	1.5 - 6	1.5 - 6	2.5 - 16	2.5 - 16
1.5 - 2.5	1.5 - 4	1.5 - 4	2.5 - 10	2.5 - 10
0.75 - 2.5	1.5 - 4	1.5 - 4	1.5 - 10	1.5 - 10
PA 6.6	PA 6.6	PA 6.6	PA 6.6	PA 6.6
V2	V2	V2	V2	V2
-40°C to +100°C	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C

	Page	Qty.
SDB 0.6x3.5 **1086.0**	422	1

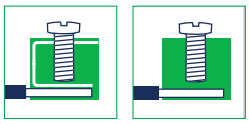
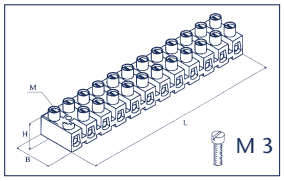
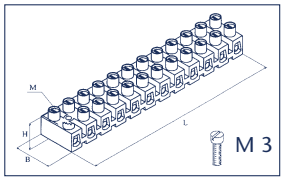
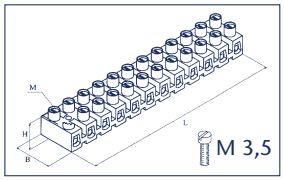
	Page	Qty.
SDB 0.6x3.5 **1086.0**	422	1

	Page	Qty.
SDB 0.8x4.0 **1087.0**	422	1

	Page	Qty.
SDB 0.8x4.0 **1087.0**	422	1

	Page	Qty.
SDB 0.8x4.0 **1087.0**	422	1

Cuttable terminal strips with foot EKBF

Screw connection system	EKBF 2.5/...DS	EKBF 2.5/...	EKBF 4/...DS
			
			
	Cuttable terminal 2.5 mm² with foot and wire protection	Cuttable terminal 2.5 mm² with base without wire protection	Cuttable terminal 4 mm² with foot and wire protection

The EKBF and EKBBS variants cover a rated cross-section range from 2.5 to 4.0 mm2. They are available from 1 to 12 poles. An attachment hole is located between each of the poles which guarantees proper mechanical alignment during installation.

EKBF: The housings have a base-foot that is raised 8 mm in order to increase the creepage distance between the overlay and the terminal body.
Thus these terminals can also be used in household electrical appliances and lamps without insulated bases (VDE 0700/0711).
Colour: transparent/white

Connection type	Screw connection	Screw connection	Screw connection
Dimensions (L x W x H), mm	117.5* x 20 x 17	117.5* x 20 x 17	136.7* x 23 x 19

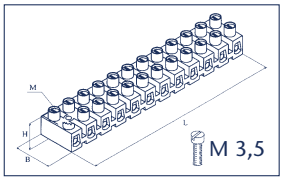
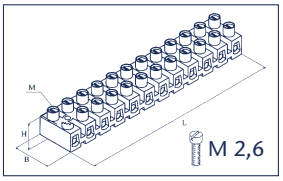
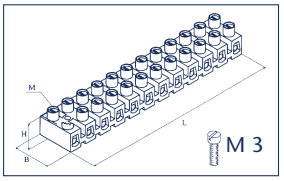
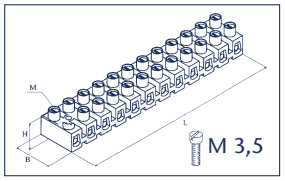
Type	Length, mm	Qty.	Type	Length, mm	Qty.	Type	Length, mm	Qty.
Type/colour	EKBF 2.5/1 DS		EKBF 2.5/1			EKBF 4/1 DS		
Cat. no.	**1854.0**	100	**1762.0**	100		**1866.0**	100	
Type/colour	EKBF 2.5/2 DS		EKBF 2.5/2			EKBF 4/2 DS		
Cat. no.	**1855.0**	100	**1763.0**	100		**1867.0**	100	
Type/colour	EKBF 2.5/3 DS		EKBF 2.5/3			EKBF 4/3 DS		
Cat. no.	**1856.0**	100	**1764.0**	100		**1868.0**	100	
Type/colour	EKBF 2.5/4 DS		EKBF 2.5/4			EKBF 4/4 DS		
Cat. no.	**1857.0**	100	**1765.0**	100		**1869.0**	100	
Type/colour	EKBF 2.5/5 DS		EKBF 2.5/5			EKBF 4/5 DS		
Cat. no.	**1858.0**	100	**1766.0**	100		**1870.0**	100	
Type/colour	EKBF 2.5/6 DS		EKBF 2.5/6			EKBF 4/6 DS		
Cat. no.	**1859.0**	100	**1767.0**	100		**1871.0**	100	
Type/colour	EKBF 2.5/7 DS		EKBF 2.5/7			EKBF 4/7 DS		
Cat. no.	**1860.0**	100	**1768.0**	100		**1872.0**	100	
Type/colour	EKBF 2.5/8 DS		EKBF 2.5/8			EKBF 4/8 DS		
Cat. no.	**1861.0**	100	**1769.0**	100		**1873.0**	100	
Type/colour	EKBF 2.5/9 DS		EKBF 2.5/9			EKBF 4/9 DS		
Cat. no.	**1862.0**	100	**1770.0**	100		**1874.0**	100	
Type/colour	EKBF 2.5/10 DS		EKBF 2.5/10			EKBF 4/10 DS		
Cat. no.	**1863.0**	100	**1771.0**	100		**1875.0**	100	
Type/colour	EKBF 2.5/11 DS		EKBF 2.5/11			EKBF 4/11 DS		
Cat. no.	**1864.0**	100	**1772.0**	100		**1876.0**	100	
Type/colour	EKBF 2.5/12 DS		EKBF 2.5/12			EKBF 4/12 DS		
Cat. no.	**1865.0**	100	**1773.0**	100		**1877.0**	100	

Ratings	IEC	IEC	IEC
Rated voltage, V	450	450	450
Rated current, A	24	24	32
Rated cross-section, mm²	2.5	2.5	4
Torque, Nm | Screw	0.5 I Slotted M3	0.5 I Slotted M3	0.8 | Slotted M3.5
Connection data			
Single-core (solid), mm²| AWG	1.5 - 4	1.5 - 4	1.5 - 6
Finely stranded, mm²	1.5 - 2.5	1.5 - 2.5	1.5 - 4
Finely stranded (w/ferrules acc. to DIN 46 228/1), mm²	0.75 - 2.5	0.75 - 2.5	1.5 - 4
Material of insulated housing			
Material of insulated housing	PA 6.6	PA 6.6	PA 6.6
Flamm. class acc. to UL 94	V2	V2	V2
Temperature range	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C

Accessories	Page	Qty.	Page	Qty.	Page	Qty.
Screwdriver SDB	SDB 0.6x3.5		SDB 0.6x3.5		SDB 0.6x3.5	
Cat. no.	**1086.0** 422	1	**1086.0** 422	1	**1086.0** 422	1

*= The length of the 12-pole version is specified here. Additional pole-dependent lengths are specified next to the catalogue numbers.

Plug terminals with horizontal insertion EKBBS

EKBF 4/...	Screw connection system	EKBBS 1.5/...	EKBBS 2.5/...DS	EKBBS 4/...
	Plug and socket (male and female) are delivered in a set. **EKBBS:** These variants are terminal sockets and terminal plugs – they are suitable for applications requiring an easy pluggable connect/disconnect of the circuit. The key benefits are speed, safety and clarity.			
				
Cuttable terminal 4 mm² with base without wire protection		Plug terminals 1.5 mm² without wire protection, transparent	Plug terminals 2.5mm² without wire protection, transparent	Plug terminals 4.0 mm² without wire protection, transparent
Screw connection	**Connection type**	**Screw connection**	**Screw connection**	**Screw connection**
136.7* x 23 x 19	Dimensions (L x W x H), mm	95.4* x 18 x 14	117.5* x 20 x 17	135.7* x 23 x 19

	Length, mm	Qty.	Type		Length, mm	Qty.		Length, mm	Qty.		Length, mm	Qty.
EKBF 4/1			Type/colour	EKBBS 1,5/1			EKBBS 2.5/1			EKBBS 4/1		
1774.0	8.1	100	**Cat. no.**	**17050.0**	5.7	100	**17062.0**	6.4	100	**17074.0**	8.1	100
EKBF 4/2			Type/colour	EKBBS 1,5/2			EKBBS 2.5/2			EKBBS 4/2		
1775.0	19.7	100	**Cat. no.**	**17051.0**	13.9	100	**17063.0**	16.5	100	**17075.0**	19.7	100
EKBF 4/3			Type/colour	EKBBS 1,5/3			EKBBS 2.5/3			EKBBS 4/3		
1776.0	31.3	100	**Cat. no.**	**17052.0**	22.1	100	**17064.0**	26.6	100	**17076.0**	31.3	100
EKBF 4/4			Type/colour	EKBBS 1,5/4			EKBBS 2.5/4			EKBBS 4/4		
1777.0	42.9	100	**Cat. no.**	**17053.0**	30.3	100	**17065.0**	36.7	100	**17077.0**	42.9	100
EKBF 4/5			Type/colour	EKBBS 1,5/5			EKBBS 2.5/5			EKBBS 4/5		
1778.0	54.5	100	**Cat. no.**	**17054.0**	38.5	100	**17066.0**	46.8	100	**17078.0**	54.5	100
EKBF 4/6			Type/colour	EKBBS 1,5/6			EKBBS 2.5/6			EKBBS 4/6		
1779.0	66.1	100	**Cat. no.**	**17055.0**	46.7	100	**17067.0**	56.9	100	**17079.0**	66.1	100
EKBF 4/7			Type/colour	EKBBS 1,5/7			EKBBS 2.5/7			EKBBS 4/7		
1780.0	77.7	100	**Cat. no.**	**17056.0**	54.9	100	**17068.0**	67	100	**17080.0**	77.7	100
EKBF 4/8			Type/colour	EKBBS 1,5/8			EKBBS 2.5/8			EKBBS 4/8		
1781.0	89.3	100	**Cat. no.**	**17057.0**	63.1	100	**17069.0**	77.1	100	**17081.0**	89.3	100
EKBF 4/9			Type/colour	EKBBS 1,5/9			EKBBS 2.5/9			EKBBS 4/9		
1782.0	100.9	100	**Cat. no.**	**17058.0**	71.3	100	**17070.0**	87.2	100	**17082.0**	100.9	100
EKBF 4/10			Type/colour	EKBBS 1,5/10			EKBBS 2.5/10			EKBBS 4/10		
1783.0	112.5	100	**Cat. no.**	**17059.0**	79.5	100	**17071.0**	97.3	100	**17083.0**	112.5	100
EKBF 4/11			Type/colour	EKBBS 1,5/11			EKBBS 2.5/11			EKBBS 4/11		
1784.0	124.1	100	**Cat. no.**	**17060.0**	87.7	100	**17072.0**	167.4	100	**17084.0**	124.1	100
EKBF 4/12			Type/colour	EKBBS 1,5/12			EKBBS 2.5/12			EKBBS 4/12		
1785.0	135.7	100	**Cat. no.**	**17061.0**	95.4	100	**17073.0**	117.5	100	**17085.0**	135.7	100

IEC	**Ratings**	IEC	IEC	IEC
450	Rated voltage, V	450	450	450
32	Rated current, A	17,5	24	32
4	Rated cross-section, mm²	1,5	2.5	4
0.8 | Slotted M3.5	Torque, Nm | Screw	0.4 | Slotted M2.6	0.5 I Slotted M3	0.8 | Slotted M3.5
	Connection data			
1.5 - 6	Single wire (solid), mm²	0.75 - 2.5	1.5 - 4	1.5 - 6
1.5 - 4	Finely stranded, mm²	0.75 - 1.5	1.5 - 2.5	1.5 - 4
1.5 - 4	Stranded (with ferrule, acc. to DIN 46 228/1)mm²	0,5 - 1.5	0.75 - 2.5	1.5 - 4
	Material of insulated housing			
PA 6.6	Material of insulated housing	PA 6.6	PA 6.6	PA 6.6
V2	Flamm. class acc. to UL 94	V2	V2	V2
-40°C to +100°C	Temperature range	-40°C to +100°C	-40°C to +100°C	-40°C to +100°C

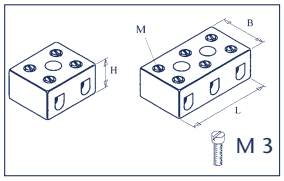
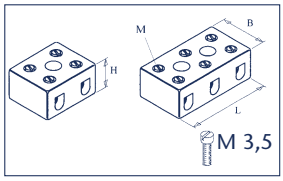
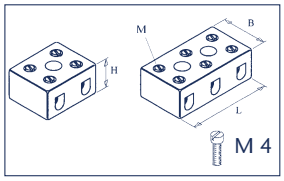
	Page	Qty.	**Accessories**		Page	Qty.		Page	Qty.		Page	Qty.
SDB 0.6x3.5			Screwdriver SDB	SDB 0.6x3.5			SDB 0.6x3.5			SDB 0.6x3.5		
1086.0	422	1	**Cat. no.**	**1086.0**	422	1	**1086.0**	422	1	**1086.0**	422	1

Ceramic terminal blocks KKB

Ceramic terminal blocks KKB

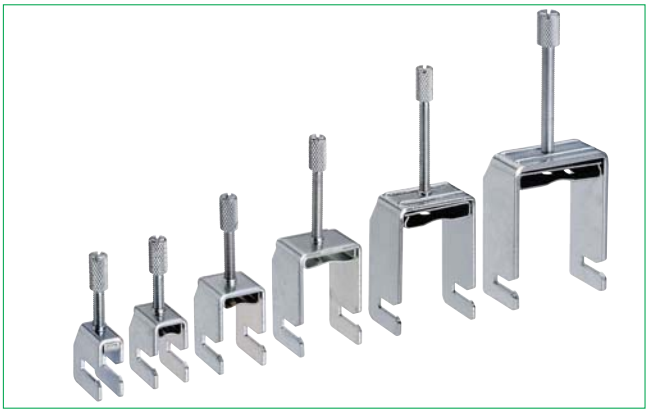
Ceramic terminals are suited for applications that require extreme resistance to heat. In additional to heat resistance, these terminals are resistant to corrosion, fire-proof, and resistant to chemicals. They have a continuous-use temperature of up to 350°C. The variants specified have a total rated cross-section range from 2.5 to 10 mm² and are available with 2 or 3 poles. An attachment hole is located between each of the poles which guarantees proper mechanical alignment during installation.
The terminal housing is white and made from high-quality enamelled porcelain.

Features:
- Material: KER DIN 40685 porcelain, enamelled
- colour: white
- Terminal body: Nickel-plated brass
- Screw: Galvanized steel, passivated BU

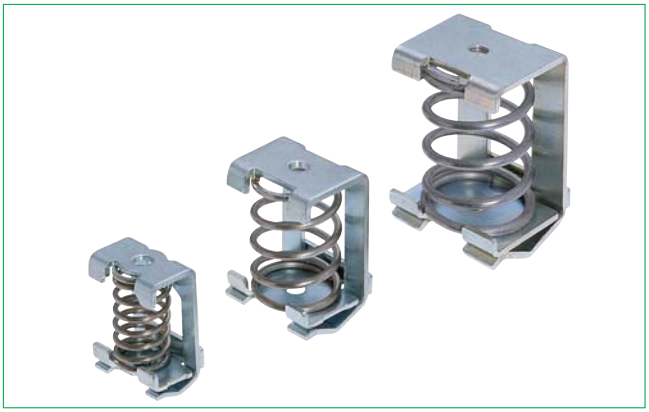
	KKB 2.5/...	KKB 4/...	KKB 10/...
			
	Terminal block 2.5 mm² ceramic, without wire protection	Terminal block 4 mm² ceramic, without wire protection	Terminal block 10 mm² ceramic, without wire protection
Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Dimensions (L x W x H),mm, 2 poles | 3 poles	20 x 18 x 15 x |33 x 18 x 15	24 x 22 x 20 | 39 x 23 x 20	34 x 30 x 23 | 50 x 30 x 23
Type	**Length, mm** **Qty.**	**Length, mm** **Qty.**	**Length, mm** **Qty.**
Type/colour	KKB 2.5/2 WH	KKB 4/2 WH	KKB 10/2 WH
Cat. no.	**1800.7** 20 100	**1802.7** 24 100	**1804.7** 34 50
Type/colour	KKB 2.5/3 WH	KKB 4/3 WH	KKB 10/3 WH
Cat. no.	**1801.7** 33 100	**1803.7** 39 50	**1805.7** 52 40
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Ratings	**IEC**	**IEC**	**IEC**
Rated voltage, V	450	450	450
Rated current, A	24	32	57
Rated cross-section, mm²	2.5	4	10
Torque, Nm | Screw	0.5 I Slotted M3	0.8 | Slotted M3.5	1.2 | Slotted M4
Connection data			
Single wire (solid), mm²	1.5 - 4	1.5 - 6	2.5 - 16
Finely stranded, mm²	1.5 - 2.5	1.5 - 4	2.5 - 10
Finely stranded (w/ferrules acc. to DIN 46 228/1), mm²	0.75 - 2.5	0.75 - 4	1.5 - 10
Material of insulated housing			
Material of insulated housing	Enamelled porcelain	Enamelled porcelain	Enamelled porcelain
Flamm. class acc. to UL 94	-	-	-
Temperature range	-40°C to +350°C	-40°C to +350°C	-40°C to +350°C
Accessories	**Page** **Qty.**	**Page** **Qty.**	**Page** **Qty.**
Screwdriver SDB	SDB 0.6x3.5	SDB 0.6x3.5	SDB 0.8x4.0
Cat. no.	**1086.0** 422 1	**1086.0** 422 1	**1087.0** 422 1

Shield-connection clip SAB | SSAB

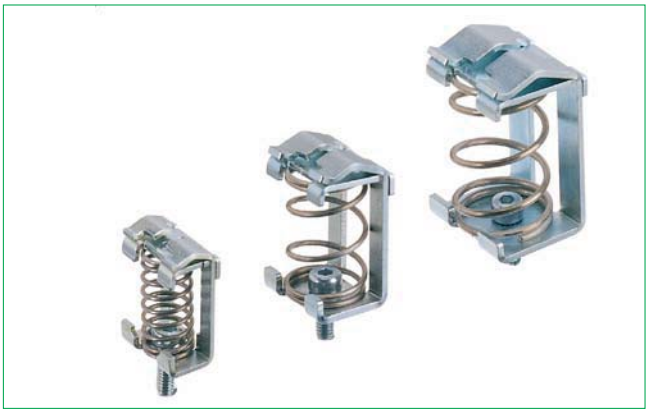
In the field of industrial process engineering, a high degree of interference immunity is required of electrical equipment. In the fields of measurement, regulation and control engineering, this is a significant contributor to the viability of industrial systems. When constructing low-interference systems, both the cable shielding and the associated shielded ground are of great significance. The point where the cable shielding connects to the housing ground is a critical point. The connection should be low-ohm, and should also feature minimal inductive resistance. You should be certain that this connection can be established in a practical, simple and quick manner. **CONTA-CLIP**'s **SAB/SSAB** clip accomplishes all this with the help of its outstanding feature set.



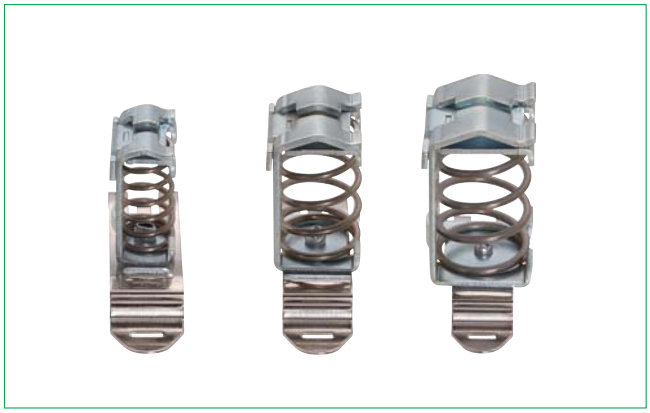
SSAB



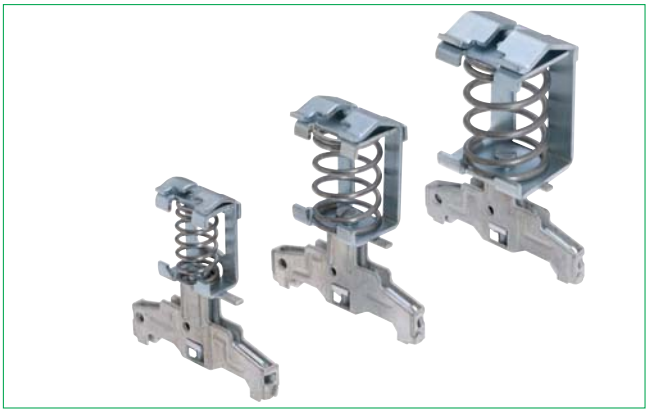
SAB



SAB.../D



SAB.../MF/35



SAB.../F

Shield-connection clip SAB | SSAB

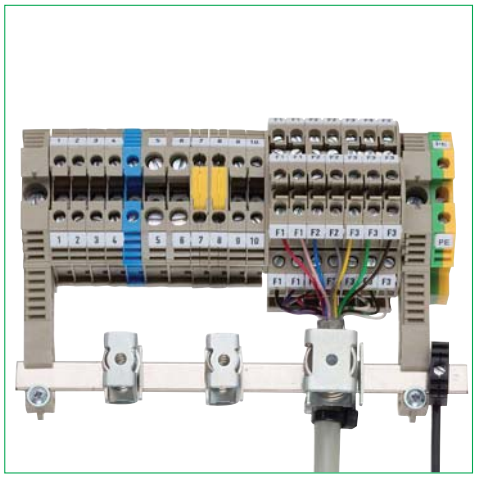
Overview of the variants

Busbar mounting with the SSAB

The **SSAB** can be mounted on a busbar. After wiring the terminal block, the shield-connection clip is mounted by simply swivelling in and tightening the knurled thumb screw. This makes the **SSAB** screw-shield-connection clip very convenient to wire. Depending on the length of the terminal blocks, two or more **SH/SAB** busbar supports are used. These mechanically connect the front busbar with the DIN rail (support). **SH1** busbar supports are used where a shield-connection system must be mounted directly onto a panel rather than a DIN rail. The 10 x 3 busbars can be easily and quickly snapped on to these supports. In both cases, the contact with the earth or ground potential can be established with a **ZB** clamping yoke.

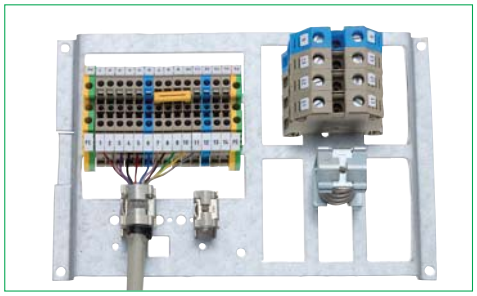
Busbar mounting with the SAB

The **SSAB** can be mounted on a busbar. After connecting the wiring, the shield-connection clip is mounted by simply swivelling in the **SAB** clip onto the busbar. The force on the cable comes from a spring-pressure piece. This regulated pressure ensures a constant optimal contact. This makes the **SAB** shield-connection clip very convenient to wire. Depending on the length of the terminal blocks, two or more **SH/SAB** busbar supports are used. These mechanically connect the front busbar with the DIN rail (support). **SH1** busbar supports are used where a shield-connection system must be mounted directly onto a panel rather than a DIN rail. The 10 x 3 busbars can be easily and quickly snapped on to these supports. In both cases, the contact with the earth or ground potential can be established with a **ZB** clamping yoke.



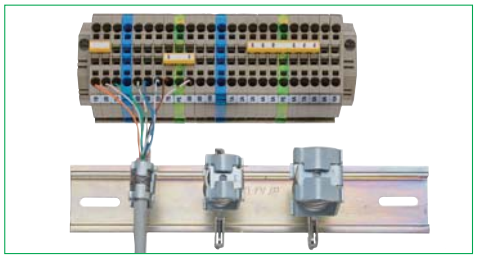
Direct mounting SAB.../D

The **SAB.../D** offers the possibility of direct installation. The force on the cable comes from a spring-pressure piece. This regulated pressure ensures a constant optimal contact. The **SAB.../D** can be installed with an **M4** screw (included in delivery) directly to the mounting plate. The **SAB 8/D** M5 shield-connection clip comes with a special feature; it is equipped with a self-cutting M5 SW3 metal screw. As a result, less time is required to mount the clip on the mounting plate, since you only need to drill one 4.2-mm hole through the plate. The hole threads will then be cut into the plate by the screw.



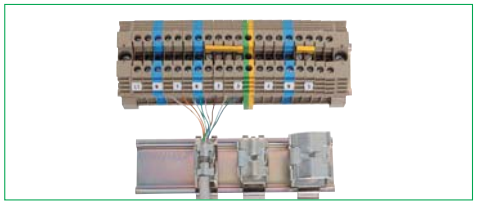
DIN rail installation SAB.../F

The **SAB../F** can be mounted on a DIN rail. The force on the cable comes from a spring-pressure piece. This regulated pressure ensures a constant optimal contact. The **SAB../F** can be mounted directly to the **TS 35** rail using a mounting screw with a clamping foot.



DIN rail installation SAB.../MF/35

The **SAB.../MF/35** can be installed on a DIN rail. The **SAB.../MF/35** is snapped on directly via the internal-spring **MF/35** foot without the need for tools. The force on the cable comes from a spring-pressure piece. This regulated pressure ensures a constant optimal contact with the DIN rail.



Shield-connection clip SSAB

Screw connection system	SSAB 5	SSAB 8	SSAB 14

- Screw-on clip for simple retrofitting
- Knurled thumb screw, so no tools required
- Simple handling

The **SSAB** screw-shield-connection clip is suitable for standard cable shielding. It enables EMC-compliant wiring with its large surface area. It also has low-impedance and low-ohm contact junctions. It is ideal for wires with diameters ranging from 2 to 35 mm. The contacts can be established without the need for any special tool.

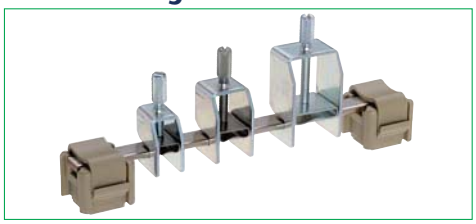
Simple mounting – large shielding surface – secure contact

	Shield-connection clip Screw connection	Shield-connection clip Screw connection	Shield-connection clip Screw connection
Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Dimensions (L x W x H), mm	19.5 x 9 x 46.8	19.5 x 12 x 48.7	19.5 x 17 x 59.3
Type	**Qty.**	**Qty.**	**Qty.**
Type	SSAB 5	SSAB 8	SSAB 14
Cat. no.	**3694.0** 10	**3695.0** 10	**3696.0** 10
Type			
Cat. no.			
Technical data			
Connection in compliance with standard	IEC/EN	IEC/EN	IEC/EN
Material	Steel	Steel	Steel
Connection data			
Min. torque, Nm	-	-	-
Max. torque, Nm	0.4	0.6	0.8
Cable diameter, mm	2 – 5	3 – 8	3 – 14
Screw	-	-	-
Drill hole diameter, mm	-	-	-

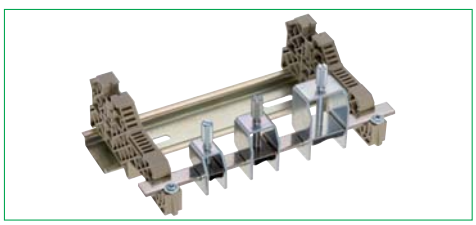
Accessories	**Page**	**Qty.**	**Page**	**Qty.**	**Page**	**Qty.**
SH overlay block **Cat. no.**	SH 1 BG **2318.2** 240	1	SH 1 BG **2318.2** 240	1	SH 1 BG **2318.2** 240	1
Busbar support SH SAB BG **Cat. no.**	SH SAB BG **1530.2** 241	1	SH SAB BG BG **1530.2** 241	1	SH SAB BG **1530.2** 241	1
Busbar Ssch/MS **Cat. no.**	Ssch 10x3 MS **2128.0** 83	1m	Ssch 10x3 MS **2128.0** 83	1m	Ssch 10x3 MS **2128.0** 83	1m
Busbar Ssch/CU **Cat. no.**	Ssch 10x3 CU **2129.0** 83	1m	Ssch 10x3 CU **2129.0** 83	1m	Ssch 10x3 CU **2129.0** 83	1m
End stop ES **Cat. no.**	ES 35/K/ST BG **2828.0** 274	50	ES 35/K/ST BG **2828.0** 274	50	ES 35/K/ST BG **2828.0** 274	50
ZB without cap **Cat. no.**	ZB 4 **2138.0** 90	50	ZB 4 **2138.0** 90	50	ZB 4 **2138.0** 90	50
ZB cap GNYE **Cat. no.**	ZB 4/K GNYE **2483.1** 90	50	ZB 4/K GNYE **2483.1** 90	50	ZB 4/K GNYE **2483.1** 90	50
Mounting screw BS, for the SH 1 BG **Cat. no.**	BS M 4x8 **2262.0** 232	20	BS M 4x8 **2262.0** 232	20	BS M 4x8 **2262.0** 232	20
Mounting screw BS, for 2 x SH 1 BG **Cat. no.**	BS M 4x30 **2123.0** 291	50	BS M 4x30 **2123.0** 291	50	BS M 4x30 **2123.0** 291	50

Additional accessories

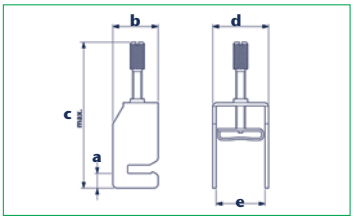
For mounting on busbar



An SSAB application with the SH1



An SSAB application with SH SAB BG



Type	a	b	c	d	e
SSAB 5	6.5 mm	19.5 mm	46.8 mm	9.0 mm	6.0 mm
SSAB 8	6.5 mm	19.5 mm	48.7 mm	12.0 mm	9.0 mm
SSAB 14	6.5 mm	19.5 mm	59.3 mm	17.0 mm	14.0 mm
SSAB 20	6.5 mm	19.5 mm	75.0 mm	24.0 mm	21.0 mm
SSAB 28	6.5 mm	20.0 mm	92.7 mm	32.0 mm	28.0 mm
SSAB 35	6.5 mm	20.0 mm	106.5 mm	40.0 mm	36.0 mm

SSAB 20	SSAB 28	SSAB 35		
Shield-connection clip Screw connection	Shield-connection clip Screw connection	Shield-connection clip Screw connection		
Screw connection	**Screw connection**	**Screw connection**		
19.5 x 24 x 75	20 x 32 x 92.7	20 x 40 x 106.5		
Qty.	**Qty.**	**Qty.**		
SSAB 20 **3697.0** 10	SSAB 28 **3698.0** 10	SSAB 35 **3699.0** 10		
IEC/EN	IEC/EN	IEC/EN		
Steel	Steel	Steel		
-	-	1,5		
0.8	0.8	1.8		
3 – 20	5 – 28	20 – 35		
-	-	-		
-	-	-		

	Page	Qty.	Page	Qty.	Page	Qty.
SH 1 BG **2318.2**	240	1	240	1	240	1
SH SAB BG **1530.2**	241	1	241	1	241	1
Ssch 10x3 MS **2128.0**	83	1m	83	1m	83	1m
Ssch 10x3 CU **2129.0**	83	1m	83	1m	83	1m
ES 35/K/ST BG **2828.0**	274	50	274	50	274	50
ZB 4 **2138.0**	90	50	90	50	90	50
ZB 4/K GNYE **2483.1**	90	50	90	50	90	50
BS M 4x8 **2262.0**	232	20	232	20	232	20
BS M 4x30 **2123.0**	291	50	291	50	291	50

Shield-connection clip SAB | SAB...D

- Quick snap-on or mounting of the shield-connection clip
- Different cable cross-sections can be accommodated by the elastic nature of the spring
- Simple handling

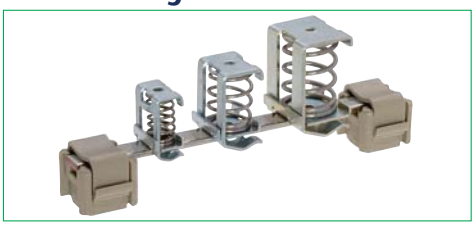
The **SAB** shield connection clip is suitable for standard cable shielding. It enables EMC-compliant wiring with its large surface area. It also has low-impedance and low-ohm contact junctions. It is ideal for wires with diameters ranging from 3 to 20 mm. The contacts can be established without the need for any special tool.

Simple mounting – large shielding surface – secure contact

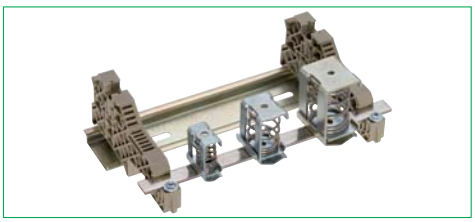
	SAB 8	SAB 13.5	SAB 20
	Shield-connection clip Spring force	Shield-connection clip Spring force	Shield-connection clip Spring force
Connection type	**Spring force**	**Spring force**	**Spring force**
Dimensions (L x W x H), mm	18.5 x 13 x 26.5	22 x 19.5 x 32.5	27 x 24.5 x 40.5
High base, with TS 35 x 7.5 mm			
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	SAB 8	SAB 13.5	SAB 20
Cat. no.	**1527.0** 10	**1528.0** 10	**1529.0** 10
Type/colour SAB with self-tapping screw			
Cat. no.			
Technical data			
Connection in compliance with standard	IEC/EN	IEC/EN	IEC/EN
Material	Steel	Steel	Steel
Connection data			
Min. torque, Nm	-	-	-
Max. torque, Nm	-	-	-
Cable diameter, mm	3 – 8	4 – 13.5	10 – 20
Screw	-	-	-
Drill hole diameter, mm	-	-	-
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
SH overlay block **Cat. no.**	SH 1 BG **2318.2** 240 1	SH 1 BG **2318.2** 240 1	SH 1 BG **2318.2** 240 1
Busbar support SH SAB BG **Cat. no.**	SH SAB BG **1530.2** 241 1	SH SAB BG **1530.2** 241 1	SH SAB BG **1530.2** 241 1
Busbar Ssch/MS **Cat. no.**	Ssch 10x3 MS **2128.0** 83 1m	Ssch 10x3 MS **2128.0** 83 1m	Ssch 10x3 MS **2128.0** 83 1m
Busbar Ssch/CU **Cat. no.**	Ssch 10x3 CU **2129.0** 83 1m	Ssch 10x3 CU **2129.0** 83 1m	Ssch 10x3 CU **2129.0** 83 1m
End stop ES **Cat. no.**	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50
ZB without cap **Cat. no.**	ZB 4 **2138.0** 90 50	ZB 4 **2138.0** 90 50	ZB 4 **2138.0** 90 50
ZB cap GNYE **Cat. no.**	ZB 4/K GNYE **2483.1** 90 50	ZB 4/K GNYE **2483.1** 90 50	ZB 4/K GNYE **2483.1** 90 50
Mounting screw BS, for the SH 1 BG **Cat. no.**	BS M 4x8 **2262.0** 232 20	BS M 4x8 **2262.0** 232 20	BS M 4x8 **2262.0** 232 20
Mounting screw BS, for 2 x SH 1 BG **Cat. no.**	BS M 4x30 **2123.0** 291 50	BS M 4x30 **2123.0** 291 50	BS M 4x30 **2123.0** 291 50

Additional accessories

For mounting on busbar

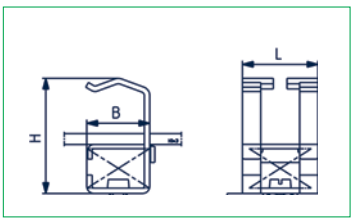


An SAB application with the SH1



An SAB application with SH SAB BG

Dimensions



Type	L	B	H	Foot / screw
SAB 8	18.5 mm	13.0 mm	26.5 mm	
SAB 13.5	22.0 mm	19.5 mm	32.5 mm	
SAB 20	27.0 mm	24.5 mm	40.5 mm	
SAB 8/D	18.5 mm	13.0 mm	26.5 mm	M4 / M5
SAB 13,5/D	22.0 mm	19.5 mm	32.5 mm	M4
SAB 20/D	27.0 mm	24.5 mm	40.5 mm	M4

SAB 8/D	SAB 13.5/D	SAB 20/D		
Shield-connection clip Spring force	Shield-connection clip Spring force	Shield-connection clip Spring force		
Spring force	**Spring force**	**Spring force**		
18.5 x 13 x 26.5	22 x 19.5 x 32.5	27 x 24.5 x 40.5		

	Qty.		Qty.		Qty.
SAB 8/D **1549.0**	10	SAB 13,5/D **1550.0**	10	SAB 20/D **1551.0**	10
SAB 8/D/M5 **1526.0**	10				
IEC/EN		IEC/EN		IEC/EN	
Steel		Steel		Steel	
-		-		-	
-		-		-	
3 – 8		4 – 13,5		10 – 20	
M4 / M5		M4		M4	
4.2		4.2		4.2	

	Page	Qty.		Page	Qty.		Page	Qty.
SH 1 BG **2318.2**	240	1	SH 1 BG **2318.2**	240	1	SH 1 BG **2318.2**	240	1
SH SAB BG **1530.2**	241	1	SH SAB BG **1530.2**	241	1	SH SAB BG **1530.2**	241	1
Ssch 10x3 MS **2128.0**	83	1m	Ssch 10x3 MS **2128.0**	83	1m	Ssch 10x3 MS **2128.0**	83	1m
Ssch 10x3 CU **2129.0**	83	1m	Ssch 10x3 CU **2129.0**	83	1m	Ssch 10x3 CU **2129.0**	83	1m
ES 35/K/ST BG **2828.0**	274	50	ES 35/K/ST BG **2828.0**	274	50	ES 35/K/ST BG **2828.0**	274	50
ZB 4 **2138.0**	90	50	ZB 4 **2138.0**	90	50	ZB 4 **2138.0**	90	50
ZB 4/K GNYE **2483.1**	90	50	ZB 4/K GNYE **2483.1**	90	50	ZB 4/K GNYE **2483.1**	90	50
BS M 4x8 **2262.0**	232	20	BS M 4x8 **2262.0**	232	20	BS M 4x8 **2262.0**	232	20
BS M 4x30 **2123.0**	291	50	BS M 4x30 **2123.0**	291	50	BS M 4x30 **2123.0**	291	50

Direct mounting

SAB.../D

Shield-connection clip SAB

- Quick snap-on or mounting of the shield-connection clip
- Different cable cross-sections can be accommodated by the elastic nature of the spring
- Simple handling

The **SAB** shield connection clip is suitable for standard cable shielding. It enables EMC-compliant wiring with its large surface area. It also has low-impedance and low-ohm contact junctions. It is ideal for wires with diameters ranging from 3 to 20 mm. The contacts can be established without the need for any special tool.

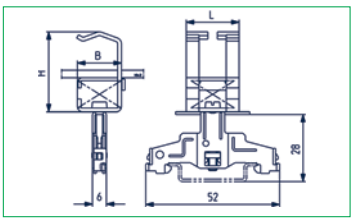
	SAB 8/F	SAB 13.5/F	SAB 20/F
	Shield-connection clip Spring force	Shield-connection clip Spring force	Shield-connection clip Spring force
Connection type	**Spring force**	**Spring force**	**Spring force**
Dimensions (L x W x H), mm	18.5 x 13 x 26.5	22 x 19.5 x 32.5	27 x 24.5 x 40.5
High base, with TS 35 x 7.5 mm	28	28	28
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	SAB 8/F	SAB 13,5/F	SAB 20/F
Cat. no.	**1571.0** 10	**1572.0** 10	**1573.0** 10
Type/colour			
Cat. no.			
Technical data			
Connection in compliance with standard	IEC/EN	IEC/EN	IEC/EN
Material	Steel	Steel	Steel
Connection data			
Min. torque, Nm	-	-	-
Max. torque, Nm	-	-	-
Cable diameter, mm	3 – 8	4 – 13.5	10 – 20
Screw	-	-	-
Drill hole diameter, mm	-	-	-
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
SH overlay block **Cat. no.**	SH 1 BG **2318.2** 240 1	SH 1 BG **2318.2** 240 1	SH 1 BG **2318.2** 240 1
Busbar support SH SAB BG **Cat. no.**	SH SAB BG **1530.2** 241 1	SH SAB BG **1530.2** 241 1	SH SAB BG **1530.2** 241 1
Busbar Ssch/MS **Cat. no.**	Ssch 10x3 MS **2128.0** 83 1m	Ssch 10x3 MS **2128.0** 83 1m	Ssch 10x3 MS **2128.0** 83 1m
Busbar Ssch/CU **Cat. no.**	Ssch 10x3 CU **2129.0** 83 1m	Ssch 10x3 CU **2129.0** 83 1m	Ssch 10x3 CU **2129.0** 83 1m
End stop ES **Cat. no.**	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50
ZB without cap **Cat. no.**	ZB 4 **2138.0** 90 50	ZB 4 **2138.0** 90 50	ZB 4 **2138.0** 90 50
ZB cap GNYE **Cat. no.**	ZB 4/K GNYE **2483.1** 90 50	ZB 4/K GNYE **2483.1** 90 50	ZB 4/K GNYE **2483.1** 90 50
Mounting screw BS, for the SH 1 BG **Cat. no.**	BS M 4x8 **2262.0** 232 20	BS M 4x8 **2262.0** 232 20	BS M 4x8 **2262.0** 232 20
Mounting screw BS, for 2 x SH 1 BG **Cat. no.**	BS M 4x30 **2123.0** 291 50	BS M 4x30 **2123.0** 291 50	BS M 4x30 **2123.0** 291 50

Additional accessories

Mounting on DIN rail

SAB.../F

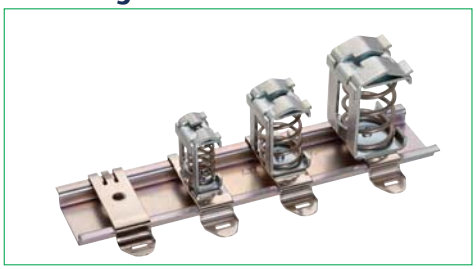
Dimensions



Type	L	B	H	Foot / screw
SAB 8/F	18.5 mm	3.0 mm	26.5 mm	28.0 mm
SAB 13,5/F	22.0 mm	19.5 mm	32.5 mm	28.0 mm
SAB 20/F	27.0 mm	24.5 mm	40.5 mm	28.0 mm

SAB 8/MF/35	SAB 13.5/MF/35	SAB 20/MF/35	MF/35	
Shield-connection clip Spring force	Shield-connection clip Spring force	Shield-connection clip Spring force	Mounting foot TS 35	
Spring force	**Spring force**	**Spring force**	**Spring force**	
18.5 x 13 x 26.5	22 x 19.5 x 32.5	27 x 24.5 x 40.5	50.5 x 14.2 x 7.3	
9.2	9.2	9.2	9.2	
Qty.	**Qty.**	**Qty.**	**Qty.**	
SAB 8/MF/35	SAB 13,5/MF/35	SAB 20/MF/35	MF/35	
17038.0 10	**17039.0** 10	**17040.0** 10	**2606.0** 20	
IEC/EN	IEC/EN	IEC/EN		
Steel	Steel	Steel	Steel	
-	-	-	-	
-	-	-	-	
3 – 8	4 – 13.5	10 – 20	-	
-	-	-	-	
-	-	-	M4	
Page **Qty.**	**Page** **Qty.**	**Page** **Qty.**	**Qty.**	
SH 1 BG **2318.2** 240 1	SH 1 BG **2318.2** 240 1	SH 1 BG **2318.2** 240 1		
SH SAB BG **1530.2** 241 1	SH SAB BG **1530.2** 241 1	SH SAB BG **1530.2** 241 1		
Ssch 10x3 MS **2128.0** 83 1m	Ssch 10x3 MS **2128.0** 83 1m	Ssch 10x3 MS **2128.0** 83 1m		
Ssch 10x3 CU **2129.0** 83 1m	Ssch 10x3 CU **2129.0** 83 1m	Ssch 10x3 CU **2129.0** 83 1m		
ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50		
ZB 4 **2138.0** 90 50	ZB 4 **2138.0** 90 50	ZB 4 **2138.0** 90 50		
ZB 4/K GNYE **2483.1** 90 50	ZB 4/K GNYE **2483.1** 90 50	ZB 4/K GNYE **2483.1** 90 50		
BS M 4x8 **2262.0** 232 20	BS M 4x8 **2262.0** 232 20	BS M 4x8 **2262.0** 232 20		
BS M 4x30 **2123.0** 291 50	BS M 4x30 **2123.0** 291 50	BS M 4x30 **2123.0** 291 50		

Mounting on DIN rail



SAB/.../MF/35

Dimensions

Type	L	B	H	Foot height
SAB 8/MF/35	18.5 mm	3.0 mm	26.5 mm	7.3 mm
SAB 13,5/MF/35	22.0 mm	19.5 mm	32.5 mm	7.3 mm
SAB 20/MF/35	27.0 mm	24.5 mm	40.5 mm	7.3 mm

Clamping yoke ZB

- Screw connection
- Material: steel
- Busbar support
- Material: polyamide 6.6

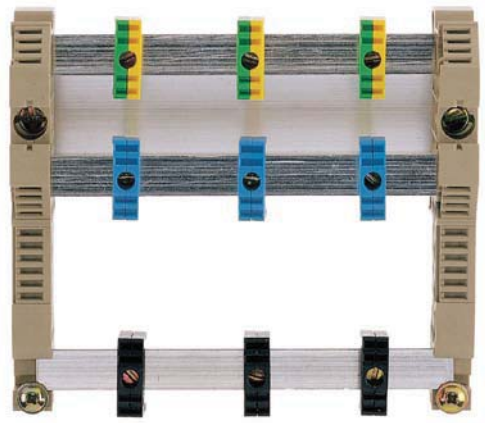
	ZB 4/... 10x3	ZB 4/... 6x4	ZB 16/... 10x3
	Clamping yoke 4 mm² for busbar 10x3	Clamping yoke 4 mm² for busbar 6x6	Clamping yoke 16 mm² for busbar 10x3
Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Dimensions (L x W x H), mm	15.5 x 5.3 x 11.7 mm	12 x 5.5 x 15 mm	15.5 x 10 x 16.5 mm
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	ZB 4	ZB 4/6	ZB 16
Cat. no.	**2138.0** 50	**2328.0** 50	**2139.0** 50
Type/colour	ZB 4/K GNYE	ZB 4/6/K GNYE	ZB 16/K GNYE
Cat. no.	**2483.1** 50	**2486.1** 50	**2484.1** 50
Type/colour	ZB 4/K BU	ZB 4/6/K BU	ZB 16/K BU
Cat. no.	**2483.5** 50	**2486.5** 50	**2484.5** 50
Type/colour	ZB 4/K BK		
Cat. no.	**2483.4** 50		
Technical data			
Material of clamping yoke	Steel	Steel	Steel
Material of cap/holder	PA 6.6 V2	PA 6.6 V2	PA 6.6 V2
Material of busbar CU/MS	-	-	-
	-	-	-
Ratings			
Rated conductor cross-section, mm²	0.5-4	0.5-4	2.5-16
Screw	M 3 x 8	M 3 x 8	M 4 x 12
Load current CU/MS	-	-	-
Stripping length mm	16	12	16
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Cap GNYE	K 4 GNYE	K 4/6 GNYE	K 16 GNYE
Cat. no.	**2488.1** 90 50	**2491.1** 90 50	**2489.1** 90 50
Cap BU	K 4 BU	K 4/6 BU	K 16 BU
Cat. no.	**2488.5** 90 50	**2491.5** 90 50	**2489.5** 90 50
Cap black	K 4 BK		
Cat. no.	**2488.4** 90 50		
Mounting screw BS			
Cat. no.			

Busbars and clamping yokes

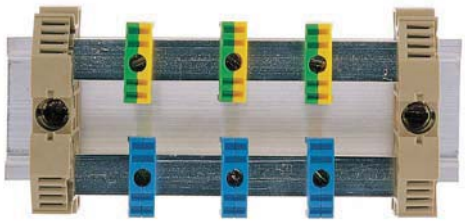
The **ZB** clamping yoke can be used in conjunction with the busbars in order to bring the neutral conductor or PE conductor together centrally. In order to help customize the facility wiring, the clamping yoke can be pushed onto the busbar. The **SH** and **ES** busbar supports are used for attachment. With longer rails, these can be positioned between the clamping yokes. The clamping yoke as a PE connection is available with green/yellow insulation caps. These caps signal the PE function together with the labelling tags and enable the PE wires to be clearly assigned. If you are using the clamping yoke to connection neutral conductors, then it can be marked with a blue insulation cap.

Mount with busbar support SH 1 BG

ZB 16/... 6x6	ZB 35/... 10x3	Ssch 10 x 3	Ssch 6 x 6	
Clamping yoke 16 mm² for busbar 6x6	Clamping yoke 35 mm² for busbar 10x3	Busbar 3x10	Busbar 6x6	
Screw connection	**Screw connection**			
12 x 9.5 x 19.9 mm	18 x 14 x 21 mm	100 x 10 x 3	100 x 6 x 6	
Qty.	**Qty.**	**Qty.**	**Qty.**	
ZB 16/6 **2329.0** 50	ZB 35 **2305.0** 50	Ssch 10x3 MS **2128.0** 1m	Ssch 6x6 MS **2132.0** 1m	
ZB 16/6/K GNYE **2487.1** 50	ZB 35/K GNYE **2485.1** 50	Ssch 10x3 CU **2129.0** 1m	Ssch 10x3 CU **2131.0** 1m	
ZB 16/6/K BU **2487.5** 50	ZB 35/K BU **2485.5** 50			
Steel	Steel	-	-	
PA 6.6 V2	PA 6.6 V2	-	-	
-	-	Copper / brass	Copper / brass	
-	-	-	-	
2.5-16	16-35	-	-	
M 4 x 12	M 6 x 15	-	-	
-	-	140 A /100A	140 A /100A	
12	18	-	-	
Page **Qty.**	**Page** **Qty.**			
K 16/6 GNYE **2492.1** 239 50	K 35 GNYE **2490.1** 239 50			
K 16/6 BU **2492.5** 239 50	K 35 BU **2990.5** 239 50			



Mount with busbar support SH SAB BG

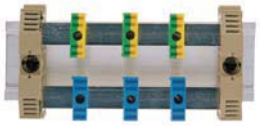


Mount with busbar support ES 35/K/ST BG

Clamping yoke / Accessories

- Screw connection
- Material: steel
- Busbar support
- Housing made from polyamide 6.6 UL 94-V2

	SH 1	SH1	
	Busbar support	Mount SH 1	
Dimensions (L x W x H), mm	24 x 24 x 23.7		
Type		**Qty.**	
Type/colour	SH 1 BG		
Cat. no.	**2318.2**	20	
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Technical data			
Material of clamping yoke	-		
Material of cap/holder	PA 6.6 V2		
Material of busbar CU/MS	-		
	-		
Ratings			
Rated conductor cross-section, mm²	-		
Screw	-		
Load current CU/MS	-		
Stripping length mm	-		
Accessories	**Page**	**Qty.**	
Mounting screw BS	BS M 4x8		
Cat. no.	**2262.0** 232	20	

SH SAB	SH SAB	ES 35/K/ST	ES 35/K/ST	
				
Busbar support	Mount SH/SAB	Busbar support	Mount ES 35/K/ST	
50 x 9.5 x 98		50 x 9.5 x 44		
Qty.		**Qty.**		
SH SAB BG **1530.2** 10		ES 35/K/ST BG **2828.0** 50		
		(6)		
-		-		
PA 6.6 V2		PA 6.6 V2		
-		-		
-		-		
-		-		
-		-		
-		-		
-		-		

Ex terminal blocks ATEX

In regards to the use of terminal blocks and PE terminals in explosive-risk zones, the standard regulations (EN 60947-7-1 and EN 60947-7-2) apply, as do the following additional regulations:

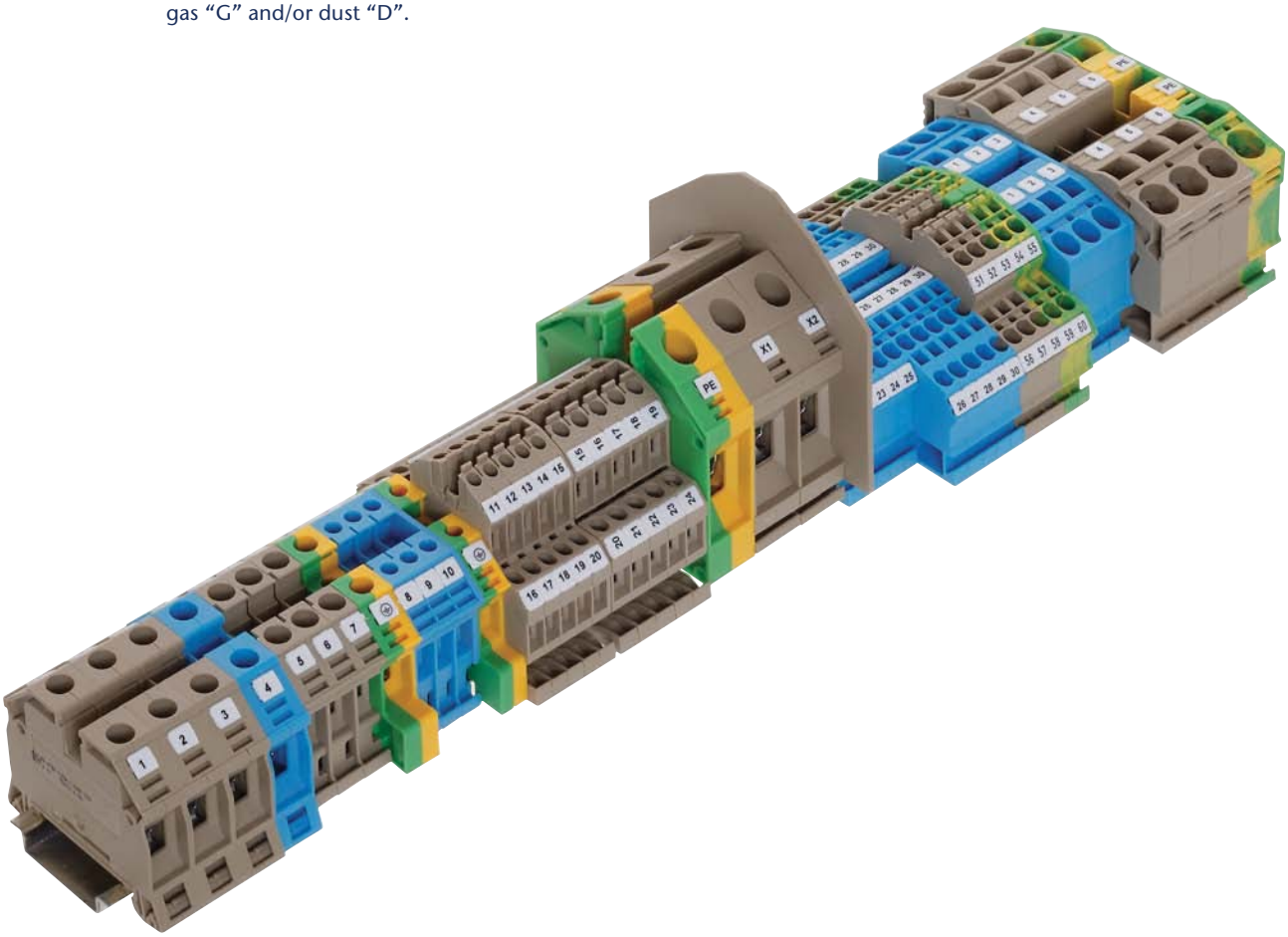
EN 60 079-0 and for increased safety “e” EN 60 079-7

Increased safety
Ex terminal blocks are designated as Ex components according to EN 50 014. A component is so designated when it is required to support the safe operations of devices and protective systems but does not itself function autonomously. In compliance with the European Ex Directive Ex-RL 94/9/EG, components are not labelled with the CE mark.

Ex terminal blocks are certified for the “Increased safety Ex e” ignition protection category.

Class II (gas, fumes, fog) device category 2 / Zone 1 or 2, approved for applications in gas “G” and/or dust “D”.

By means of the EC-standard examination certificate, compliance with EN 50 014/50 019 and the Ex- Protective Directive 94/9/EG is certified by the designated European bodies RL 94/9/EG (Nemko, TÜV Rheinland Group and Kema certifying bodies).
A prerequisite is certification of the manufacturer’s quality management system in compliance with DIN ISO 9001, with an additional audit according to 94/9/EC.
CONTA-CLIP is audited by the German Association for Certification of Management Systems (DQS GmbH) for DIN ISO 9001.
CONTA-CLIP has been ATEX-certified by the TÜV Rheinland Group with an intermediate audit.



Ex terminal blocks ATEX

Ignition protection category Ex i

No special approval is needed when using the terminal blocks for the intrinsically safe ignition protection category. Ex e- as well as standard terminal blocks can be used here when observing the gaps, creepage and clearance distances in accordance with IEC/EN 600079-11. Blue terminal blocks should be selected so that they are easily and clearly identified.

Ignition protection category Ex e

In observance of the corresponding installation guidelines, the terminal blocks listed on the following pages fulfil the requirements for the “Increased safety” Ex e protection category. As such, they are approved for use in Zone 1 and 2.

CENELEC and NEC explosive groups

CENELEC	NEC 500	Gas
IIA	D	Propane
IIB	C	Ethylene
IIC	B	Hydrogen
IIC	A	Acetylene
I	Mining (MSHA)	Methane (mining)

CENELEC and NEC temperature classes, group II

Temperature class CENELEC	Temperature class NEC 500	Max. surface temperature, °C
T1	T1	450
T2	T2	300
-	T2A	280
-	T2B	260
-	T2C	230
-	T2D	215
T3	T3	200
-	T3A	180
-	T3B	165
-	T3C	160
T4	T4	135
-	T4A	120
T5	T5	100
T6	T6	85

CENELEC and NEC classification for explosive-risk zones

CENELEC Classification IEC60079-10	US Classification NEC 500	The possible presence of an explosive atmosphere	Device categories	Flammable substances and material
Zone 0	Class I, Div 1	always, long-term or often	1G	gas and fumes
Zone 20	Class II, Div 1	always, long-term or often	1D	dust
Zone 1	Class I, Div 1	occasionally	2G	gas and fumes
Zone 20	Class II, Div 1	occasionally	2D	dust
Zone 2	Class I, Div 2	normally not, only rarely	3G	gas and fumes
Zone 22	Class II, Div 2	normally not, only rarely	3D	dust

CENELEC protection classes

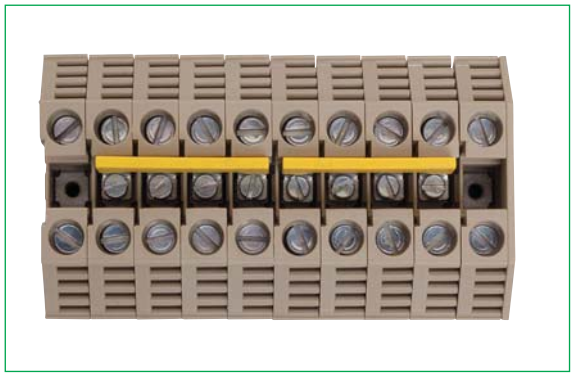
CENELEC	Protection category	Code	IEC	Device categories
EN 60079-0	General requirements	-	60079-0	-
EN 60079-6	Oil immersion	o	60079-6	2
EN 60079-2	Pressurized enclosure	p	60079-2	2
EN 60079-5	Sand encapsulation	q	60079-5	2
EN 60079-1	Pressure-proof encapsulation	d	60079-1	2
EN 60079-7	Increased safety	e	60079-7	2
EN 60079-11	Intrinsic safety	ia	60079-11	1
EN 60079-11	Intrinsic safety	ib	60079-11	2
EN 60079-11	Intrinsic safety	ic	60079-11	3
EN 60079-18	Moulded encapsulation	m	60079-18	2

Cross-connection instructions for ATEX terminals

Product line	Certification No.	Rated voltage, V	Rated current A	Rated cross-section, mm²	Maximum voltage, V (in reference to alignment diagram) A	B	C	D	E	F	G	H
BKA...												
BKA 2.5/1 Ex	NEMKO ATEX 1135U	275	24	2.5	125	125	-	125	-	-	-	-
BKA 4/1 Ex	NEMKO ATEX 1135U	275	32	4	160	160	-	160	-	-	-	-
BKA 10/1	NEMKO ATEX 1135U	275	57	10	200	200	-	200	-	-	-	-
RK...												
RK 1.5-4/15 Ex	NEMKO ATEX 1136U	400	34	4	320	20	320	320	320	320	320	-
RK 2.5 Ex	NEMKO ATEX 1136U	690	26	2.5	250	0	250	250	250	250	250	-
RK 2.5-4 Ex	NEMKO ATEX 1136U	690	34	4	125	0	125	125	125	125	125	-
RK 2.5 / 35 N2Q Ex	TÜV ATEX 7092U	400	20	2.5	400	400	400	400	400	400	400	-
RK 6-10 Ex	NEMKO ATEX 1136U	690	61	10	400	50	400	400	400	400	400	-
RK 16 Ex	NEMKO ATEX 1136U	690	82	16	400	160	400	400	400	400	400	-
RK 16/35 N Ex	TÜV ATEX 7092U	500	76	16	500	160	500	500	500	-	320	-
RK 35 Ex	NEMKO ATEX 1136U	690	135	35	630	250	630	630	630	630	630	-
RK 35/35 N Ex	TÜV ATEX 7092U	500	125	35	500	500	500	500	500	-	500	-
RK 50 Ex	TÜV ATEX 7092U	800	150	50	800	-	-	-	-	-	-	-
RK 50 Ex with MAG	TÜV ATEX 7092U	800	150	50	-	-	-	-	-	-	-	-
RK 95 Ex	TÜV ATEX 7092U	1000	232	95	1000	-	-	-	-	-	-	-
RK 95 Ex with MAG	TÜV ATEX 7092U	1000	232	95	-	-	-	-	-	-	-	-
RK 150 Ex	TÜV ATEX 7092U	1000	309	150	1000	-	-	-	-	-	-	-
RK 150 Ex with MAG	TÜV ATEX 7092U	1000	309	150	-	-	-	-	-	-	-	-
RK 240 Ex	TÜV ATEX 7092U	1000	380	240	1000	-	-	-	-	-	-	-
RK 240 Ex with MAG	TÜV ATEX 7092U	1000	380	240	-	-	-	-	-	-	-	-
RK...												
RKD 2.5 Ex	NEMKO ATEX 1136U	400	26	2.5	320	0	320	320	-	320	-	-
RKD 4 Ex	NEMKO ATEX 1136U	400	34	4	250	0	250	250	-	250	-	-
RKDG ...												
RKDG 4 Ex	TÜV ATEX 7092U	500	32	4	-	-	400	-	-	-	-	-
ZIKD ...												
ZIKD 2.5 Ex	TÜV ATEX 7093U	500	24	2.5	500	320	400	500	500	500	500	500
ZRK ...												
ZRK 2.5/2A Ex	TÜV ATEX 7093U	630	24	2.5	630	320	500	630	320	500	500	500
ZRK 2.5/3A Ex	TÜV ATEX 7093U	500	24	2.5	500	320	500	500	500	500	500	500
ZRK 2.5/4A Ex	TÜV ATEX 7093U	630	24	2.5	630	320	500	630	500	500	500	500
ZRK 4/2A Ex	TÜV ATEX 7093U	500	32	4	500	250	400	500	500	500	500	250
ZRK 4/3A Ex	TÜV ATEX 7093U	500	32	4	500	250	400	500	500	500	500	250
ZRK 4/4A Ex	TÜV ATEX 7093U	500	32	4	500	250	400	500	500	500	500	250
ZRK 6/2A Ex	TÜV ATEX 7093U	630	41	6	630	500	630	630	630	630	630	-
ZRK 10/2 A Ex	TÜV ATEX 7093U	500	57	10	500	500	500	-	500	500	500	400
ZRK 16/2 A Ex	TÜV ATEX 7093U	630	76	16	630	630	630	-	630	630	630	500
ZRKD ...												
ZRKD 2.5 Ex	TÜV ATEX 7093U	500	24	2.5	500	320	500	500	500	500	500	500
ZSRK ...												
ZSRK 2.5/2A Ex	TÜV ATEX 7093U	500	24	2.5	500	320	500	500	500	500	500	-
ZSRK 2.5/2A/15 Ex	TÜV ATEX 7093U	320	24	2.5	320	320	320	320	320	320	320	320
ZSRK 2.5/2A/D	TÜV ATEX 7093U	500	24	2.5	500	320	-	-	-	-	-	-
ZSRK 2.5/3A Ex	TÜV ATEX 7093U	500	24	2.5	500	320	500	500	500	500	500	-
ZSRK 2.5/3A/15 Ex	TÜV ATEX 7093U	500	24	2.5	500	320	500	500	500	500	500	-

Aligning terminal blocks and cross-connectors

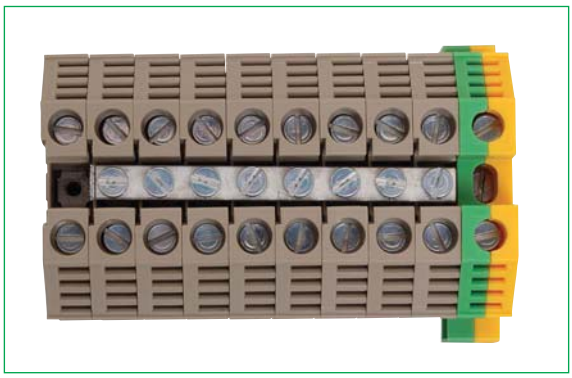
A) Continual cross-connections



B) Cross-connection with neighbouring QI
(not separated by AP or TW)

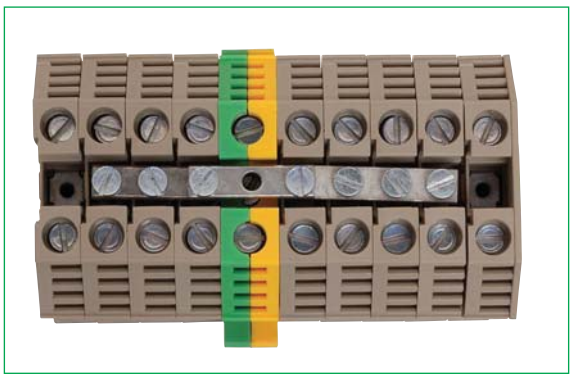
C) Neighbouring cross-connection
(Q separated by AP or TW)

D) Cross-connection skipping over ZQI/QI/Q
(for example, every third terminal is connected)



E) Neighbouring with a SL terminal without TW/AP

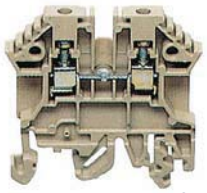
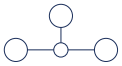
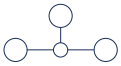
F) Neighbouring with a SL terminal
(separated by AP or TW)



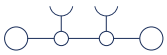
G) Skipping over a SL terminal

H) Two cross-connections in parallel

Ex feed-through and protective-earth terminals certified by ATEX

Screw connection system	RK 1.5-4/15 Ex	SL 4/15 Ex	RK 2.5 Ex
	M 3	M 3	 M 2.5
• Foot can be snapped on TS15, TS32 or TS35 DIN rails • Housing made from polyamide 6.6 UL 94-V2			
Connection diagram			
	Feed-through terminal 2 connections	Protective earth terminal 2 connections	Feed-through terminal 2 connections
Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Size (L x W x H) with TS 15, mm	27 x 6 x 34.5	32 x 7 x 34	48 x 5 x 51.5
Size (L x W x H) with TS 35 x 7.5 mm			48 x 5 x 47
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	RK 1.5-4/15 Ex BG	SL 4/15 Ex GNYE	RK 2.5 Ex BG
Cat. no.	**1433.2** 100	**1404.2** 100	**1426.2** 100
Type colour	RK 1.5-4/15 Ex BU		RK 2.5 Ex BU
Cat. no.	**1433.5** 100		**1426.5** 100
Type colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	.2 .5	2	.2 .5
Ratings			
Rated voltage, V	400		690
Rated current, A	34		26
Partial certification number	NEMKO ATEX 1136 U	NEMKO ATEX 1135 U	NEMKO ATEX 1136 U
Rated wire cross-section, mm² | AWG	4 | 22-10	4 | 22-10	2.5 | 22-12
Rated impulse voltage, kV | Contamination degree	6 | 3	8 | 3	8 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A4 | V2	A3 | V2	A3 | V2
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.2-4 | -	0.2-4 | -	0.2-4 | -
Finely stranded | Finely stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5	0.2-4 | 0.2-4	0.2-4 | 0.2-2.5
Contact wire range, mm²	0.2-4	0.2-4	0.2-4
Stripping length, mm	9	9	7
Torque, Nm | Screw	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3	0.4-0.8 | Slotted M 2.5
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels | Test pick-off	1 | -	- | -	1 | 1
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
End plate AP	AP 1.5-4 BG		AP 2.5-10 BG
Cat. no.	**2738.2** 232 50		**2001.2** 278 50
Partition plate TW	TW 1.5-4 BG		TW 2.5-10 BG
Cat. no.	**2071.2** 316 50		**2002.2** 316 50
Insulation plate TRS	TRS 3 BG		TRS 3 BG
Cat. no.	**2566.2** 316 100		**2566.2** 316 100
Cross-connector Q / Insulated cross-connector ZQI	Q 2		Q 2
Cat. no.	**2087.0** 289 50		**2567.0** 288 50
Insulated cross-connector ZQI / QI			
Cat. no.			
Cross-connector Q / Insulated cross-connector ZQI	Q 3		Q 3
Cat. no.	**2088.0** 289 50		**2568.0** 288 50
Insulated cross-connector ZQI / QI			
Cat. no.			
Cross-connector Q / Insulated cross-connector ZQI	Q 4		Q 4
Cat. no.	**2089.0** 288 20		**2569.0** 288 20
Insulated cross-connector ZQI / QI			
Cat. no.			
Cross-connector Q / Insulated cross-connector ZQI	Q 10		Q 10
Cat. no.	**2090.0** 289 10		**2570.0** 288 10
Insulated cross-connector ZQI / QI			
Cat. no.			
Insulated cross-connector ZQI			
Cat. no.			
End stop ES	ES 15 BG		
Cat. no.	**2074.2** 275 50		
Screwdriver SDB	SDB 0.6x3.5	SDB 0.6x3.5	SDB 0.5x3.0
Cat. no.	**1086.0** 422 1	**1086.0** 422 1	**1085.0** 422 1
Quick marking PMC SB	PMC SB 6/50 WH	PMC SB 6/50 WH	PMC SB 5/50 WH
Cat. no.	**4702.7** 340 500	**4702.7** 340 500	**4600.7** 339 500

More accessories starting on page 264.

RK 2.5/35/N/2Q Ex	SL 2.5/35 Ex	RK 2.5-4 Ex	SL 4/35 Ex	
M 2.5	M 2.5	M 3	M 3	
				
Feed-through terminal 2 connections	Protective earth terminal 2 connections	Feed-through terminal 2 connections	Protective earth terminal 2 connections	
Screw connection	**Screw connection**	**Screw connection**	**Screw connection**	
62.5 x 5.1 x 47	52 x 6 x 47	48 x 6 x 51.5 48 x 6 x 47	56 x 8 x 47	
Qty.	**Qty.**	**Qty.**	**Qty.**	
RK 2.5/35/N/2Q Ex BG **1580.2** 100	SL 2.5/35 Ex GNYE **1435.2** 100	RK 2.5-4 Ex BG **1427.2** 100	SL 4/35 Ex GNYE **1437.2** 100	
RK 2.5/35/N/2Q Ex BU **1580.5** 100		RK 2.5-4 Ex BU **1427.5** 100		
.2 .5	.2	.2 .5	.2	
400		690		
22		34		
TÜV ATEX 7092 U	NEMKO ATEX 1136 U	NEMKO ATEX 1136 U	NEMKO ATEX 1136 U	
2.5 | 20-14	2.5 | 22-12	4 | 22-10	4 | 22-10	
8 | 3	8 | 3	6 | 3	8 | 3	
A3 | V2	A3 | V2	A4 | V2	A4 | V2	
0.2-4 | -	0.2-4 | -	0.2-6 | -	0.2-6 | -	
0.2-4 | 0.2-2.5	0.2-4 | 0.2-2.5	0.2-6 | 0.2-4	0.2-6 | 0.2-4	
0.2-4	0.2-4	0.2-6	0.2-6	
9	10	12	12	
0.4-0.8 | Slotted M 2.5	0.4-0.8 | Slotted M 2.5	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3	
PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	
2 | 1	- | -	1 | 1	- | -	

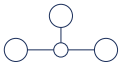
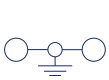
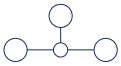
	Page	Qty.
AP 2.5-10 BG **2001.2**	278	50
TW 2.5-10 BG **2002.2**	316	50
ZQI 2.5/2 YE **3710.8**	308	50
ZQI 2.5/3 YE **3711.8**	308	50
ZQI 2.5/4 YE **3712.8**	308	20
ZQI 2.5/5 YE **3713.8**	308	20
ZQI 2.5/6 YE **3714.8**	308	20
ZQI 2.5/7 YE **3715.8**	308	20
ZQI 2.5/8 YE **3716.8**	308	10
ZQI 2.5/9 YE **3717.8**	308	10
ZQI 2.5/10 YE **3718.8**	308	10
ES 35/K/ST BG **2828.0**	274	50
SDB 0.5x3.0 **1085.0**	422	1
PMC SB 5/50 WH **4600.7**	339	500

	Page	Qty.
SDB 0.5x3.0 **1085.0**	422	1
PMC SB 6/50 WH **4702.7**	340	500

	Page	Qty.
AP 2.5-10 BG **2001.2**	278	50
TW 2.5-10 BG **2002.2**	316	50
TRS 1 BG **2003.2**	316	100
Q 2 **2019.0**	289	50
QI 2 YE **2740.2**	289	50
Q 3 **2020.0**	289	50
QI 3 YE **2741.2**	289	50
Q 4 **2021.0**	289	20
QI 4 YE **2742.2**	289	20
Q 10 **2022.0**	289	10
QI 10 YE **2743.2**	289	10
ES 35/K/ST BG **2828.0**	274	50
SDB 0.6x3.5 **1086.0**	422	1
PMC SB 6/50 WH **4702.7**	339	500

	Page	Qty.
SDB 0.6x3.5 **1086.0**	422	1
PMC SB 8/40 WH **9323.7**	342	400

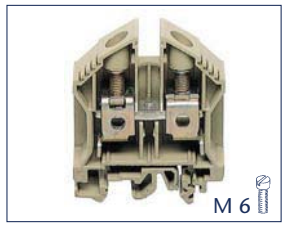
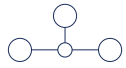
Ex feed-through and protective-earth terminals certified by ATEX

Screw connection system	RK 6-10 Ex	SL 10/35 Ex	RK 16 Ex
	M 4	M 4	M 5
• Foot can be snapped on TS15 or TS35 DIN rails • Housing made from polyamide 6.6 UL 94-V2			
Connection diagram			
	Feed-through terminal 2 connections	Protective earth terminal 2 connections	Feed-through terminal 2 connections

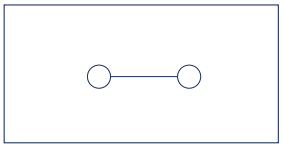
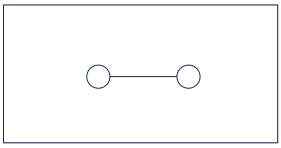
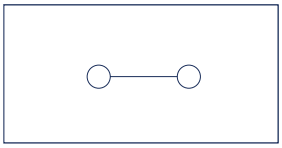
Connection type	Screw connection	Screw connection	Screw connection
	48 x 8 x 51.5		50 x 12 x 63
Size (L x W x H) with TS 35 x 7.5 mm	48 x 8 x 47	56 x 10 x 47	50 x 12 x 58.5
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	RK 6-10 Ex BG	SL 10/35 Ex GNYE	RK 16 Ex BG
Cat. no.	**1430.2** 100	**1439.2** 80	**1431.2** 50
Type colour	RK 6-10 Ex BU		RK 16 Ex BU
Cat. no.	**1430.5** 100		**1431.5** 50
Type colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	.2 .5	2	.2 .5
Ratings			
Rated voltage, V	690		690
Rated current, A	61		82
Partial certification number	NEMKO ATEX 1136 U	NEMKO ATEX 1136 U	NEMKO ATEX 1136 U
Rated wire cross-section, mm² | AWG	10 | 22-6	10 | 22-6	16 | 12-4
Rated impulse voltage, kV | Contamination degree	6 | 3	8 | 3	8 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A5 | V2	A5 | V2	B7 | V2
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.2-10 | -	0.2-10 | -	2.5-16 | 2.5-25
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-10 | 0.2-10	0.2-10 | 0.2-10	2.5-16 | 2.5-16
Contact wire range, mm²	0.2-10	0.2-10	2.5-25
Stripping length, mm	12	12	15
Torque, Nm | Screw	1.2-2.0 | Slotted M 4	1.2-2.0 | Slotted M 4	2.0-4.0 | Slotted M 5
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels | Test pick-off	1 | 1	- | -	1 | -

Accessories	Page	Qty.	Page	Qty.	Page	Qty.
End plate AP	AP 2.5-10 BG				AP 16 BG	
Cat. no.	**2001.2** 278	50			**2104.2** 278	20
Partition plate TW	TW 2.5-10 BG				TW 16 BG	
Cat. no.	**2002.2** 316	50			**2105.2** 316	20
Insulation plate TRS	TRS 1 BG					
Cat. no.	**2003.2** 316	100				
Cross-connector Q / Insulated cross-connector QI/AQI	Q 2				Q 2	
Cat. no.	**2060.0** 289	50			**2112.0** 290	20
Cross-connector Q / Insulated cross-connector QI/AQI	QI 2 YE					
Cat. no.	**2750.2** 289	50				
Cross-connector Q / Insulated cross-connector QI/AQI	Q 3				Q 3	
Cat. no.	**2061.0** 289	50			**2113.0** 290	20
Cross-connector Q / Insulated cross-connector QI/AQI	QI 3 YE					
Cat. no.	**2751.2** 289	50				
Cross-connector Q / Insulated cross-connector QI/AQI	Q 4				Q 4	
Cat. no.	**2062.0** 289	20			**2114.0** 290	10
Cross-connector Q / Insulated cross-connector QI/AQI	QI 4 YE					
Cat. no.	**2752.2** 289	20				
Cross-connector Q / Insulated cross-connector QI/AQI	Q 10				Q 10	
Cat. no.	**2063.0** 289	10			**2115.0** 290	10
Cross-connector Q / Insulated cross-connector QI/AQI	QI 10 YE					
Cat. no.	**2753.2** 289	10				
Cover AD	AD 1/8/B YE				AD 1/12/B YE	
Cat. no.	**2954.0** 311				**2819.0** 311	20
End stop ES	ES 35/K/ST BG				ES 35/K/ST BG	
Cat. no.	**2828.0** 274	50			**2828.0** 274	50
Screwdriver SDB	SDB 0.8x4.0		SDB 0.8x4.0		SDB 0.8x4.0	
Cat. no.	**1087.0** 422	1	**1087.0** 422	1	**1087.0** 422	1
Quick marking PMC SB	PMC SB 8/40 WH		PMC SB 6/50 WH		PMC SB 6/50 WH	
Cat. no.	**9323.7** 342	400	**4702.7** 340	500	**4702.7** 340	500

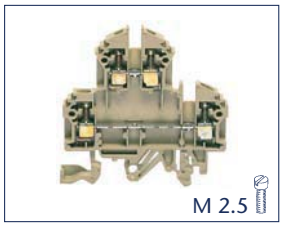
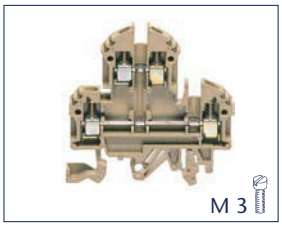
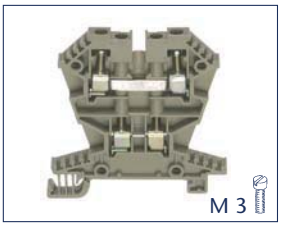
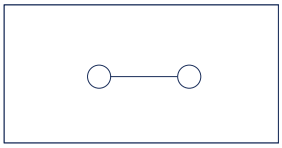
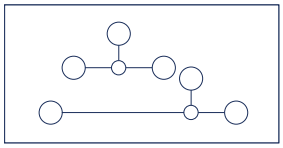
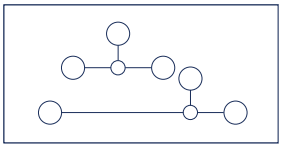
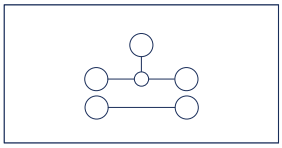
More accessories starting on page 264.

RK 16/35/N Ex	SL 16/35 Ex	RK 35 Ex	RK 35/35/N Ex	SL 35/35 Ex
M 5	M 5	 M 6	M 6	M 6
				
Feed-through terminal 2 connections	Protective earth terminal 2 connections	Feed-through terminal 2 connections	Feed-through terminal 2 connections	Protective earth terminal 2 connections
Screw connection	**Screw connection**	**Screw connection**	**Screw connection**	**Screw connection**
54 x 11.9 x 47	50 x 12 x 63	58 x 16 x 76 58 x 16 x 71.5	58 x 11.9 x 47	58 x 16 x 71.5
Qty.	**Qty.**	**Qty.**	**Qty.**	**Qty.**
1409.2 RK 16/35 N Ex BU 50 **1409.5** 50	SL 16/35 Ex GNYE **1441.2** 50	RK 35 Ex BG **1432.2** 20 RK 35 Ex BU **1432.5** 20	RK 35/35 N Ex BG **1471.2** 20 RK 35/35 N Ex BU **1471.5** 20	SL 35/35 Ex GNYE **1443.2** 20
.2 .5	.2	.2 .5	.2 .5	.2
76		660	500	
TÜV ATEX 7092U		135	125	
16 | 12-4	NEMKO ATEX 1136 U	NEMKO ATEX 1136 U	TÜV ATEX7092U	NEMKO ATEX 1136 U
8 | 3	16 | 10-4	35 | 12-2	35 | 12-2	35 | 12-2
B7 | V2	12 | 3	8 | 3	8 | 3	12 | 3
	B7 | V2	B8 | V2	B8 | V2	B9 | V2
2.5-16 | 2.5-16	2.5-16 | 2.5-25	2.5-16 | 2.5-50	2.5-16 | 2.5-50	2.5-16 | 2.5-50
2.5-25	2.5-16 | 2.5-16	2.5-35 | 2.5-35	2.5-35 | 2.5-35	2.5-35 | 2.5-35
15	2.5-25	2.5-50	2.5-50	2.5-50
2.0-4.0 | Slotted M 5	15	20	20	20
	2.0-4.0 | Slotted M 5	2.5-5.0 | Slotted M 6	2.5-5.0 | Slotted M 6	2.5-5.0 | Slotted M 6
1 | -	PA 6.6 | -40 to +105°C - | -	PA 6.6 | -40 to +105°C 1 | -	PA 6.6 | -40 to +105°C 1 | -	PA 6.6 | -40 to +105°C - | -
Page Qty.	**Page Qty.**	**Page Qty.**	**Page Qty.**	**Page Qty.**
		AP 35 BG **2116.2** 278 20 TW 35 BG **2117.2** 316 20		
Q 2 **2257.0** 290 20		Q 2 **2164.0** 290 20	Q 2 **2164.0** 290 20	
Q 3 **2258.0** 290 20		Q 3 **2165.0** 290 20	Q 3 **2165.0** 290 20	
Q 4 **2265.0** 290 10		Q 4 **2166.0** 290 10	Q 4 **2166.0** 290 10	
Q 10 **2266.0** 290 10		Q 10 **2167.0** 290 10	Q 10 **2167.0** 290 10	
AD 1/12/N/B YE **2955.0** 311 20		AD 1/16/B YE **2820.0** 311 20	AD 1/16 N/B YE **2956.0** 311 20	
ES 35/K/ST BG **2828.0** 274 50		ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	
SDB 0.8x4.0 **1087.0** 422 1	SDB 0.8x4.0 **1087.0** 422 1	SDB 1.2x6.5 **1088.0** 422 1	SDB 1.2x6.5 **1088.0** 422 1	SDB 1.2x6.5 **1088.0** 422 1
PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500

Ex feed-through terminals certified according to ATEX

Screw connection system	RK 50 Ex	RK 95 Ex	RK 150 Ex
	M 6	M 8	M 10
• Foot can be snapped on TS15 or TS35 DIN rails • Housing made from polyamide 6.6 UL 94-V2			
Connection diagram			
	Feed-through terminal 2 connections	Feed-through terminal 2 connections	Feed-through terminal 2 connections
Connection type	**Screw connection**	**Screw connection**	**Screw connection**
Size (L x W x H) with TS 32, mm	79 x 20 x 82	84 x 25 x 94	93 x 31 x 118.5
Size (L x W x H) with TS 35 x 7.5 mm	79 x 20 x 76.5	84 x 25 x 88.5	93 x 31 x 112.8
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	RK 50 Ex BG	RK 95 Ex BG	RK 150 Ex BG
Cat. no.	**1473.2** 10	**1476.2** 10	**1477.2** 5
Type colour	RK 50 Ex BU	RK 95 Ex BU	RK 150 Ex BU
Cat. no.	**1473.5** 10	**1476.5** 10	**1477.5** 5
Type colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	.2 .5	.2 .5	.2 .5
Ratings			
Rated voltage, V	800	1000	1000
Rated current, A	150	232	309
Partial certification number	TÜV ATEX 7092 U	TÜV ATEX 7092 U	TÜV ATEX 7092 U
Rated wire cross-section, mm² | AWG	50 | 1/0-6	95 | 4/0-2	150 | 300-2
Rated impulse voltage, kV | Contamination degree	8 | 3	8 | 3	8 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	B10 | V2	B12 | V2	B14 | V2
Connection data			
Single wire (solid) | stranded (stranded) mm²	10-16 | 16-50	- | 35-95	- | 25-150
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	16-50 | 16-50	50-95 | 50-95	35-150 | 35-150
Contact wire range, mm²	10-50	35-95	25-150
Stripping length, mm	27	30	38
Torque, Nm | Screw	3-6 | Hexagon socket M 6	6-12 | Hexagon socket M 8	10-20 | Hexagon socket M 10
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels | Test pick-off	- | -	- | -	- | -
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
End plate AP			
Cat. no.			
Partition plate TW			
Cat. no.			
Insulation plate TRS			
Cat. no.			
Cross-connector Q / External insulated cross-connector AQI	AQI 2/50 YE	AQI 2/95 YE	AQI 2/150 YE
Cat. no.	**2763.2** 293 5	**2765.2** 294 5	**2767.2** 294 5
Cross-connector Q / External insulated cross-connector AQI	AQI 3/50 YE	AQI 3/95 YE	AQI 3/150 YE
Cat. no.	**2764.2** 293 5	**2766.2** 294 5	**2768.2** 294 5
Cross-connector Q			
Cat. no.			
Cross-connector Q			
Cat. no.			
Cover AD	AD 1/50/B YE	AD 1/95/B YE	AD 1/150/B YE
Cat. no.	**2810.0** 311 20	**2804.0** 311 20	**2806.0** 311 20
Inlay profile EP	EP 50	EP 95	EP 150
Cat. no.	**2274.0** 41 10	**2275.0** 41 10	**2277.0** 41 10
Allen key socket wrench ISKS	ISKS 5	ISKS 6	ISKS 8
Cat. no.	**2818.0** 422 1	**2772.0** 422 1	**2773.0** 422 1
End stop ES	ES 35/K/ST BG	ES 35/K/ST BG	ES 35/K/ST BG
Cat. no.	**2828.0** 274 50	**2828.0** 274 50	**2828.0** 274 50
Screwdriver SDB			
Cat. no.			
Quick marking PMC SB	PMC SB 6/50 WH	PMC SB 6/50 WH	PMC SB 6/50 WH
Cat. no.	**4702.7** 340 500	**4702.7** 340 500	**4702.7** 340 500

More accessories starting on page 264.

RK 240 Ex	RKD 2.5 Ex	RKD 4 Ex	RKDG 4 Ex	
M 10	 M 2.5	 M 3	 M 3	
				
Feed-through terminal 2 connections	Double-level terminal 4 connections	Double-level terminal 4 connections	Double-level terminal 4 connections	
Screw connection	**Screw connection**	**Screw connection**	**Screw connection**	
93 x 36 x 132	60.2 x 5 x 65.5	60.2 x 6 x 65.5		
93 x 36 x 126.3	60.2 x 5 x 61	60.2 x 6 x 61	58.5 x 6 x 60	
Qty.	**Qty.**	**Qty.**	**Qty.**	
RK 240 Ex BG **1485.2** 5	RKD 2.5 Ex BG **1428.2** 100	RKD 4 Ex BG **1429.2** 100	RKDG 4 Ex BG **1496.2** 100	
RK 240 Ex BU **1485.5** 5	RKD 2.5 Ex BU **1428.5** 100	RKD 4 Ex BU **1429.5** 100	RKDG 4 Ex BU **1496.5** 100	
.2 .5	.2 .5	.2 .5	.2 .5	
1000	400	400	500	
380	26	34	32	
TÜV ATEX 7092 U	NEMKO ATEX 1136 U	NEMKO ATEX 1136 U	TÜV ATEX 7092 U	
240 | 500-2/0	2.5 | 22-12	4 | 22-10	4 | 22-12	
8 | 3	6 | 3	6 | 3	6 | 3	
B16 | V2	A5 | V2	A3 | V2	A3 | V2	
- | 50-240	0.2-4 | -	0.2-4 | -	0.2-4 | -	
70-240 | 70-240	0.2-4 | 0.2-2.5	0.2-4 | 0.2-4	0.2-4 | 0.2-4	
70-240	0.2-4	0.2-4	0.2-4	
38	7	9	9	
10-20 | Hexagon socket M 10	0.4-0.8 | Slotted M 2.5	0.5-1.0 | Slotted M 3	0.5-1.0 | Slotted M 3	
PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	
- | -	2 | 1	2 | 1	1 | -	
Page Qty.	**Page Qty.**	**Page Qty.**	**Page Qty.**	
	AP 4 BG **2101.2** 278 20	AP 4 BG **2101.2** 278 20	APG 4 BG **2586.2** 278 20	
	TRS 3 BG **2566.2** 316 100	TRS 3 BG **2566.2** 316 100		
AQI 2/240 YE **2769.2** 294 5	Q 2 **2567.0** 288 50	Q 2 **2087.0** 289 50	Q 2 **2087.0** 289 50	
AQI 3/240 YE **2770.2** 294 5	Q 3 **2068.0** 293 20	Q 3 **2088.0** 289 20	Q 3 **2088.0** 289 20	
	Q 4 **2569.0** 288 20	Q 4 **2089.0** 288 20	Q 4 **2089.0** 288 20	
	Q 10 **2570.00** 288 10	Q 10 **2090.0** 289 10	Q 10 **2090.0** 289 10	
AD 1/240/B YE **2808.0** 311 20				
EP 240 **2360.0** 41 10				
ISKS 8 **2773.0** 422 1				
ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 274 50	ES 35/K/ST BG **2828.0** 27 50	
	SDB 0.5x3.0 **1085.0** 416 1	SDB 0.6x3.5 **1086.0** 416 1	SDB 0.6x3.5 **1086.0** 416 1	
PMC SB 6/50 WH **4702.7** 340 500	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	

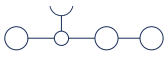
Ex feed-through terminals for direct assembly certified according to ATEX

Screw connection system	BKA 2.5 Ex	BKA 4 Ex	BKA 10 Ex
	M 2.5	M 3	M 4
• Foot can be snapped on TS15 or TS35 DIN rails, or mounted directly • Housing made from polyamide 6.6 UL 94-V2			
	Feed-through terminal 2 connections	Feed-through terminal 2 connections	Feed-through terminal 2 connections

Connection type	Screw connection	Screw connection	Screw connection
Size (L x W x H) with TS 15, mm	31 x 5 x 28	31 x 6 x 28	46 x 8 x 39
Size (L x W x H) with TS 35 x 7.5 mm			
Direct mounting	22 x 5 x 23	22 x 6 x 23	30 x 8 x 31
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	BKA 2.5/1 Ex BG	BKA 4/1 Ex BG	BKA 10/1 Ex BG
Cat. no.	**1405.2** 100	**1406.2** 100	**1407.2** 50
Type colour	RK 2.5/1 Ex BU	RK 4/1 Ex BU	BKA 10/1 Ex BU
Cat. no.	**1405.5** 100	**1406.5** 100	**1407.5** 50
Type colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	.2 .5	.2 .5	.2 .5
Ratings			
Rated voltage, V	275	275	275
Rated current, A	24	32	57
Partial certification number	NEMKO ATEX 1135 U	NEMKO ATEX 1135 U	NEMKO ATEX 1135 U
Rated wire cross-section, mm² | AWG	2.5 | 22-12	4 | 22-10	10 | 22-8
Rated impulse voltage, kV | Contamination degree	6 | 3	6 | 3	6 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V2	A3 | V2	A5 | V2
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.2-4 | -	0.2-4 | -	0.2-10 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.2-4 | 0.2-2.5	0.2-4 | -	0.2-10 | -
Contact wire range, mm²	0.2-4	0.2-4	0.2-4
Stripping length, mm	7	9	10
Torque, Nm | Screw	0.4-0.8 | Slotted M 2.5	0,0-1.0 | Slotted M 3	1.2-2.0 | Slotted M 4
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C	PA 6.6 | -40 to +105°C
Number of cross-connection channels | Test pick-off	- | -	- | -	- | -
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
The AQI external insulated cross-connection	AQI 2/5/11 YE	AQI 2/6/11 YE	AQI 2/8/11 YE
Cat. no.	**2032.0** 292 50	**2125.0** 292 50	**2067.0** 293 50
External insulated cross-connection AQI			
Cat. no.			
External insulated cross-connection AQI	AQI 3/5/11 YE	AQI 3/6/11 YE	AQI 3/8/11 YE
Cat. no.	**2033.0** 292 50	**2126.0** 292 50	**2068.0** 293 50
External insulated cross-connection AQI			
Cat. no.			
External insulated cross-connection AQI	AQI 4/5/11 YE	AQI 4/6/11 YE	AQI 4/8/11 YE
Cat. no.	**2044.0** 292 50	**2140.0** 292 50	**2069.0** 293 50
External insulated cross-connection AQI			
Cat. no.			
External insulated cross-connection AQI	AQI 10/6/11 YE	AQI 10/6/11 YE	
Cat. no.	**2045.0** 292 10	**2045.0** 292 10	
End support EH /direct mounting screw	EH 2 BG	EH 2 BG	EH 3 BG
Cat. no.	**2136.2** 274 50	**2136.2** 274 50	**2939.2** 275 20
End support EH /rail mount	EH 15 BG	EH 15 BG	EH 35 BG
Cat. no.	**2945.2** 275 50	**2945.2** 275 50	**2945.2** 275 50
End support EH /direct mounting peg	EH 2/Z BG	EH 2/Z BG	
Cat. no.	**2147.2** 274 50	**2147.2** 274 50	
Screwdriver	SDB 0.6x3.5	SDB 0.6x3.5	SDB 0.8x4.0
Cat. no.	**1086.0** 422 1	**1086.0** 422 1	**1087.0** 422 1
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 6/50 WH	PMC SB 8/40 WH
Cat. no.	**4600.7** 339 500	**4702.7** 340 500	**9323.7** 342 400

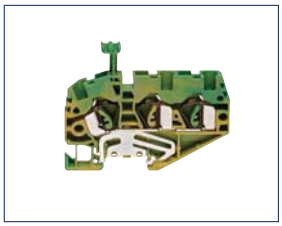
More accessories starting on page 264.

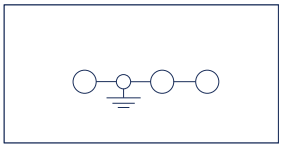
Ex feed-through and protective-earth terminals certified by ATEX

Tension-spring connection system	ZSRK 2.5/2A/15 Ex	ZSLN 2.5/2A/15 Ex	ZSRK 2.5/3A/15 Ex
Connection diagram			
	Feed-through terminal 2 connections	Protective earth terminal 2 connections	Feed-through terminal 3 connections
Connection type	**Tension-spring**	**Tension-spring**	**Tension-spring**
Size (L x W x H) with TS 15 (H with labelling adapter), in mm	40 x 5.1 x 34	40 x 5.1 x 34	52.5 x 5.1 x 34 (44)
Size (L x W x H) with TS 35 x 7.5 (H with labelling adapter), in mm			
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	ZSRK 2.5/2A/15 Ex BG	ZSLN 2.5/2A/15 Ex GNYE	ZSRK 2.5/3A/15 Ex BG
Cat. no.	**1700.2** 100	**1709.2** 100	**1701.2** 100
Type colour	ZSRK 2.5/2A/15 Ex BU		ZSRK 2.5/3A/15 Ex BU
Cat. no.	**1700.5** 100		**1701.5** 100
Type colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	.2 .5	.2	.2 .5
Ratings			
Rated voltage, V	320		500
Rated current, A	24		24
Partial certification number	TÜV ATEX 7093 U	TÜV ATEX 7093 U	TÜV ATEX 7093 U
Rated wire cross-section, mm² | AWG	2.5 | 20-12	2.5 | 20-12	2.5 | 20-12
Rated impulse voltage, kV | Contamination degree	8 | 3	8 | 3	8 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V0	A3 | V0	A3 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.5-4 | -	0.5-4 | -	0.5-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5
Contact wire range, mm²	0.08-4	0.08-4	0.08-4
Stripping length, mm	10	10	10
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels | Test pick-off	1 | 2	1 | 2	1 | 2
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
ZAP end plate	ZAP SR BG	ZAP SR GN	ZAP SR 3A/15 BG
Cat. no.	**3757.2** 280 50	**3757.1** 280 50	**3794.2** 280 50
Insulated cross-connector ZQI	ZQI 2.5/2 YE		ZQI 2.5/2 YE
Cat. no. 2 poles	**3710.8** 308 50		**3710.8** 308 50
Insulated cross-connector ZQI	ZQI 2.5/3 YE		ZQI 2.5/3 YE
Cat. no. 3 poles	**3711.8** 308 50		**3711.8** 308 50
Insulated cross-connector ZQI	ZQI 2.5/4 YE		ZQI 2.5/4 YE
Cat. no. 4 poles	**3712.8** 308 20		**3712.8** 308 20
Insulated cross-connector ZQI	ZQI 2.5/5 YE		ZQI 2.5/5 YE
Cat. no. 5 poles	**3713.8** 308 20		**3713.8** 308 20
Insulated cross-connector ZQI	ZQI 2.5/6 YE		ZQI 2.5/6 YE
Cat. no. 6 poles	**3714.8** 308 20		**3714.8** 308 20
Insulated cross-connector ZQI	ZQI 2.5/7 YE		ZQI 2.5/7 YE
Cat. no. 7 poles	**3715.8** 308 20		**3715.8** 308 20
Insulated cross-connector ZQI	ZQI 2.5/8 YE		ZQI 2.5/8 YE
Cat. no. 8 poles	**3716.8** 308 10		**3716.8** 308 10
Insulated cross-connector ZQI	ZQI 2.5/9 YE		ZQI 2.5/9 YE
Cat. no. 9 poles	**3717.8** 308 10		**3717.8** 308 10
Insulated cross-connector ZQI	ZQI 2.5/10 YE		ZQI 2.5/10 YE
Cat. no. 10 poles	**3718.8** 308 10		**3718.8** 308 10
Insulated cross-connector ZQI	ZQI 2.5/0.5 w/99 poles YE		ZQI 2.5/0.5 w/99 poles YE
Cat. no. 99 poles	**3719.8** 308 1		**3719.8** 308 1
Four-way cover ZAD	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE	ZAD 2.5/4/B YE
Cat. no.	**3706.0** 315 20	**3706.0** 315 20	**3706.0** 315 20
labelling adapter ZBA			
Cat. no.			
End stop	ZES 15 BG	ZES 15 BG	ZES 15 BG
Cat. no.	**3812.2** 275 50	**3812.2** 275 50	**3812.2** 275 50
Test adapter ZTA	ZTA 2.5 BG	ZTA 2.5 BG	ZTA 2.5 BG
Cat. no.	**3740.2** 320 10	**3740.2** 320 10	**3740.2** 320 10
Screwdriver / Metal actuating tool BWMA	BWMA 1 (0.5x3.5mm)	BWMA 1 (0.5x3.5mm)	BWMA 1 (0.5x3.5mm)
Cat. no.	**3808.0** 328 1	**3808.0** 328 1	**3808.0** 328 1
Quick marking PMC SB	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	**4600.7** 339 500	**4600.7** 339 500	**4600.7** 339 500

More accessories starting on page 264.

ZSLN 2.5/3A/15 Ex





Protective earth terminal
3 connections

Tension-spring

52.5 x 5.1 x 34 (44)

	Qty.
ZSLN 2.5/3A/15 Ex GNYE **1710.2**	100

.2

TÜV ATEX 7093 U
2.5 | 20-12
8 | 3
A3 | V0

0.5-4 | -
0.5-4 | 0.5-2.5
0.08-4
10

PA 6.6 | -40 to +120°C
1 | 2

	Page	Qty.
ZAP SR 3A/15 GN **3794.1**	280	50
ZAD 2.5/4/B YE **3706.0**	315	20
ZES 15 BG **3812.2**	275	50
ZTA 2.5 BG **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

ZSRK 2.5/2A Ex

Feed-through terminal
3 connections

Tension-spring

43.5 x 5.1 x 36.5

	Qty.
ZSRK 2.5/2A Ex BG **1702.2**	100
ZSRK 2.5/2A Ex BU **1702.5**	100

.2 .5

500
24
TÜV ATEX 7093 U
2.5 | 20-12
8 | 3
A3 | V0

0.5-4 | -
0.5-4 | 0.5-2.5
0.08-4
10

PA 6.6 | -40 to +120°C
1 | 2

	Page	Qty.
ZAP SR BG **3757.2**	280	50
ZQI 2.5/2 YE **3710.8**	308	50
ZQI 2.5/3 YE **3711.8**	308	50
ZQI 2.5/4 YE **3712.8**	308	20
ZQI 2.5/5 YE **3713.8**	308	20
ZQI 2.5/6 YE **3714.8**	308	20
ZQI 2.5/7 YE **3715.8**	308	20
ZQI 2.5/8 YE **3716.8**	308	10
ZQI 2.5/9 YE **3717.8**	308	10
ZQI 2.5/10 YE **3718.8**	308	10
ZQI 2.5/0.5 w/99 poles YE **3719.8**	308	1
ZAD 2.5/4/B YE **3706.0**	315	20
ZES 35/2 BG **3811.2**	275	50
ZTA 2.5 BG **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

ZSLN 2.5/2A Ex

Protective earth terminal
3 connections

Tension-spring

43.5 x 5.1 x 36.5

	Qty.
ZSLN 2.5/2A Ex GNYE **1711.2**	100

.2

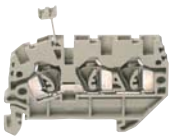
TÜV ATEX 7093 U
2.5 | 20-12
8 | 3
A3 | V0

0.5-4 | -
0.5-4 | 0.5-2.5
0.08-4
10

PA 6.6 | -40 to +120°C
1 | 2

	Page	Qty.
ZAP SR GN **3757.1**	280	50
ZAD 2.5/4/B YE **3706.0**	315	20
ZES 35/2 BG **3811.2**	275	50
ZTA 2.5 BG **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

ZSRK 2.5/3A Ex



Feed-through terminal
3 connections

Tension-spring

55 x 5.1 x 36.5 (46.5)

	Qty.
ZSRK 2.5/3A Ex BG **1703.2**	100
ZSRK 2.5/3A Ex BU **1703.5**	100

.2 .5

500
24
TÜV ATEX 7093 U
2.5 | 20-12
8 | 3
A3 | V0

0.5-4 | -
0.5-4 | 0.5-2.5
0.08-4
10

PA 6.6 | -40 to +120°C
1 | 2

	Page	Qty.
ZAP SR 3A/35 BG **3795.2**	280	50
ZQI 2.5/2 YE **3710.8**	308	50
ZQI 2.5/3 YE **3711.8**	308	50
ZQI 2.5/4 YE **3712.8**	308	20
ZQI 2.5/5 YE **3713.8**	308	20
ZQI 2.5/6 YE **3714.8**	308	20
ZQI 2.5/7 YE **3715.8**	308	20
ZQI 2.5/8 YE **3716.8**	308	10
ZQI 2.5/9 YE **3717.8**	308	10
ZQI 2.5/10 YE **3718.8**	308	10
ZQI 2.5/0.5 w/99 poles YE **3719.8**	308	1
ZAD 2.5/4/B YE **3706.0**	315	20
ZES 35/2 BG **3811.2**	275	50
ZTA 2.5 BG **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

ZSLN 2.5/3A Ex

Protective earth terminal
3 connections

Tension-spring

55 x 5.1 x 36.5 (46.5)

	Qty.
ZSLN 2.5/3A Ex GNYE **1712.2**	100

.2

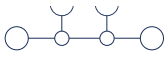
TÜV ATEX 7093 U
2.5 | 20-12
8 | 3
A3 | V0

0.5-4 | -
0.5-4 | 0.5-2.5
0.08-4
10

PA 6.6 | -40 to +120°C
1 | 2

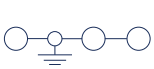
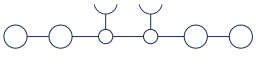
	Page	Qty.
ZAP SR 3A/35 GN **3795.1**	280	50
ZAD 2.5/4/B YE **3706.0**	315	20
ZES 35/2 BG **3811.2**	275	50
ZTA 2.5 BG **3740.2**	320	10
BWMA 1 (0.5x3.5mm) **3808.0**	328	1
PMC SB 5/50 WH **4600.7**	339	500

Ex feed-through and protective-earth terminals certified by ATEX

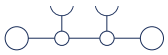
Tension-spring connection system	ZRK 2.5/2A Ex	ZSL 2.5/2A Ex	ZRK 2.5/3A Ex
Connection diagram			
	Feed-through terminal 2 connections	Protective earth terminal 2 connections	Feed-through terminal 3 connections
Connection type	**Tension-spring**	**Tension-spring**	**Tension-spring**
Size (L x W x H) with TS 35 x 7.5 mm	59 x 5.1 x 39	59 x 5.1 x 39	71.3 x 5.1 x 39
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	ZRK 2.5/2A Ex BG	ZSL 2.5/2A Ex GNYE	ZRK 2.5/3A Ex BG
Cat. no.	**1704.2** 100	**1713.2** 100	**1705.2** 100
Type colour	ZRK 2.5/2A Ex BU		ZRK 2.5/3A Ex BU
Cat. no.	**1704.5** 100		**1705.5** 100
Type colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	(2) (5)	(2)	(2) (5)
Ratings			
Rated voltage, V	630		500
Rated current, A	24		24
Partial certification number	TÜV ATEX 7093 U	TÜV ATEX 7093 U	TÜV ATEX 7093 U
Rated wire cross-section, mm² | AWG	2.5 | 20-12	2.5 | 20-12	2.5 | 20-12
Rated impulse voltage, kV | Contamination degree	8 | 3	8 | 3	8 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V0	A3 | V0	A3 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.5-4 | -	0.5-4 | -	0.5-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5
Contact wire range, mm²	0.08-4	0.08-4	0.08-4
Stripping length, mm	10	10	10
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels | Test pick-off	2 | 2	0 | 2	2 | 2

Accessories		Page	Qty.		Page	Qty.		Page	Qty.
ZAP end plate	ZAP 2.5/2A BG			ZAP 2.5/2A GN			ZAP 2.5/3A BG		
Cat. no.	**3700.2**	280	50	**3700.1**	280	50	**3701.2**	280	50
Insulated cross-connector ZQI	ZQI 2.5/2 YE						ZQI 2.5/2 YE		
Cat. no. 2 poles	**3710.8**	308	50				**3710.8**	308	50
Insulated cross-connector ZQI	ZQI 2.5/3 YE						ZQI 2.5/3 YE		
Cat. no. 3 poles	**3711.8**	308	50				**3711.8**	308	50
Insulated cross-connector ZQI	ZQI 2.5/4 YE						ZQI 2.5/4 YE		
Cat. no. 4 poles	**3712.8**	308	20				**3712.8**	308	20
Insulated cross-connector ZQI	ZQI 2.5/5 YE						ZQI 2.5/5 YE		
Cat. no. 5 poles	**3713.8**	308	20				**3713.8**	308	20
Insulated cross-connector ZQI	ZQI 2.5/6 YE						ZQI 2.5/6 YE		
Cat. no. 6 poles	**3714.8**	308	20				**3714.8**	308	20
Insulated cross-connector ZQI	ZQI 2.5/7 YE						ZQI 2.5/7 YE		
Cat. no. 7 poles	**3715.8**	308	20				**3715.8**	308	20
Insulated cross-connector ZQI	ZQI 2.5/8 YE						ZQI 2.5/8 YE		
Cat. no. 8 poles	**3716.8**	308	10				**3716.8**	308	10
Insulated cross-connector ZQI	ZQI 2.5/9 YE						ZQI 2.5/9 YE		
Cat. no. 9 poles	**3717.8**	308	10				**3717.8**	308	10
Insulated cross-connector ZQI	ZQI 2.5/10 YE						ZQI 2.5/10 YE		
Cat. no. 10 poles	**3718.8**	308	10				**3718.8**	308	10
Insulated cross-connector ZQI	ZQI 2.5/0.5 w/99 poles YE						ZQI 2.5/0.5 w/99 poles YE		
Cat. no. 99 poles	**3719.8**	308	1				**3719.8**	308	1
Four-way cover ZAD	ZAD 2.5/4 B YE			ZAD 2.5/4 B YE			ZAD 2.5/4 B YE		
Cat. no.	**3706.0**	315	20	**3706.0**	315	20	**3706.0**	315	20
labelling adapter ZBA									
Cat. no.									
End stop	ZES 35 BG			ZES 35 BG			ZES 35 BG		
Cat. no.	**3748.2**	275	50	**3748.2**	275	50	**3748.2**	275	50
Test adapter ZTA	ZTA 2.5 BG			ZTA 2.5 BG			ZTA 2.5 BG		
Cat. no.	**3740.2**	320	10	**3740.2**	320	10	**3740.2**	320	10
Screwdriver / Metal actuating tool BWMA	BWMA 1 (0.5x3.5mm)			BWMA 1 (0.5x3.5mm)			BWMA 1 (0.5x3.5mm)		
Cat. no.	**3808.0**	328	1	**3808.0**	328	1	**3808.0**	328	1
Quick marking PMC SB	PMC SB 5/50 WH			PMC SB 5/50 WH			PMC SB 5/50 WH		
Cat. no.	**4600.7**	339	500	**4600.7**	339	500	**4600.7**	339	500

More accessories starting on page 264.

ZSL 2.5/3A Ex	ZRK 2.5/4A Ex	ZSL 2.5/4A Ex		
				
Protective earth terminal 3 connections	Feed-through terminal 4 connections	Protective earth terminal 4 connections		
Tension-spring	**Tension-spring**	**Tension-spring**		
71.3 x 5.1 x 39	83.6 x 5.1 x 36.5	83.6 x 5.1 x 36.5		
Qty.	**Qty.**	**Qty.**		
ZSL 2.5/3A Ex GNYE **1714.2** 100	ZRK 2.5/4A Ex BG **1706.2** 100 ZRK 2.5/4A Ex BU **1706.5** 100	ZSL 2.5/4A Ex GNYE **1715.2** 100		
(2)	(2) (5)	(2)		
	630			
	24			
TÜV ATEX 7093 U	TÜV ATEX 7093 U	TÜV ATEX 7093 U		
2.5 | 20-12	2.5 | 20-12	2.5 | 20-12		
8 | 3	8 | 3	8 | 3		
A3 | V0	A3 | V0	A3 | V0		
0.5-4 | -	0.5-4 | -	0.5-4 | -		
0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5		
0.08-4	0.08-4	0.08-4		
10	10	10		
PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C		
0 | 2	2 | 2	0 | 2		
Page Qty.	**Page Qty.**	**Page Qty.**		
ZAP 2.5/3A GN **3701.1** 280 50	ZAP 2.5/4A BG **3702.2** 280 50	ZAP 2.5/4A GN **3702.1** 280 50		
	ZQI 2.5/2 YE **3710.8** 308 50			
	ZQI 2.5/3 YE **3711.8** 308 50			
	ZQI 2.5/4 YE **3712.8** 308 20			
	ZQI 2.5/5 YE **3713.8** 308 20			
	ZQI 2.5/6 YE **3714.8** 308 20			
	ZQI 2.5/7 YE **3715.8** 308 20			
	ZQI 2.5/8 YE **3716.8** 308 10			
	ZQI 2.5/9 YE **3717.8** 308 10			
	ZQI 2.5/10 YE **3718.8** 308 10			
	ZQI 2.5/0.5 w/99 poles YE **3719.8** 308 1			
ZAD 2.5/4 B **3706.0** 315 20	ZAD 2.5/4 B YE **3706.0** 315 20	ZAD 2.5/4 B YE **3706.0** 315 20		
ZES 35 BG **3748.2** 275 50	ZES 35 BG **3748.2** 275 50	ZES 35 BG **3748.2** 275 50		
ZTA 2.5 BG **3740.2** 320 10	ZTA 2.5 BG **3740.2** 320 10	ZTA 2.5 BG **3740.2** 320 10		
BWMA 1 (0.5x3.5mm) **3808.0** 328 1	BWMA 1 (0.5x3.5mm) **3808.0** 328 1	BWMA 1 (0.5x3.5mm) **3808.0** 328 1		
PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500	PMC SB 5/50 WH **4600.7** 339 500		

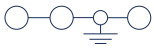
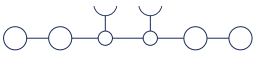
Ex feed-through and protective-earth terminals certified by ATEX

Tension-spring connection system	ZRK 4/2A Ex	ZSL 4/2A Ex	ZRK 4/3A Ex
• Foot can be snapped on TS35 DIN rails • Housing made from polyamide 6.6 UL 94-V0			
Connection diagram			
	Feed-through terminal 2 connections	Protective earth terminal 2 connections	Feed-through terminal 3 connections

Connection type	Tension-spring	Tension-spring	Tension-spring
Size (L x W x H) with TS 35 x 7.5 mm	64 x 6.1 x 42	64 x 6.1 x 42	78.5 x 6.1 x 42
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	ZRK 4/2A Ex BG	ZSL 4/2A Ex GNYE	ZRK 4/3A Ex BG
Cat. no.	**1716.2** 100	**1722.2** 100	**1717.2** 100
Type colour	ZRK 4/2A Ex BU		ZRK 4/3A Ex BU
Cat. no.	**1716.5** 100		**1717.5** 100
Type colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	.2 .5	.2	.2 .5
Ratings			
Rated voltage, V	500		500
Rated current, A	32		32
Partial certification number	TÜV ATEX 7093 U	TÜV ATEX 7093 U	TÜV ATEX 7093 U
Rated wire cross-section, mm² | AWG	4 | 20-10	4 | 20-10	4 | 20-10
Rated impulse voltage, kV | Contamination degree	8 | 3	8 | 3	8 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A4 | V0	A4 | V0	A4 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.5-6 | -	0.5-6 | -	0.5-6 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.5-6 | 0.5-4	0.5-6 | 0.5-4	0.5-6 | 0.5-4
Contact wire range, mm²	0.08-6	0.08-6	0.08-6
Stripping length, mm	12	12	12
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels | Test pick-off	2 | 2	- | 2	2 | 2

Accessories	Page	Qty.		Page	Qty.		Page	Qty.
ZAP end plate	ZAP 4/2A BG			ZAP 4/2A GN			ZAP 4/3A BG	
Cat. no.	**3703.2** 280	50		**3703.1** 280	50		**3704.2** 280	50
Insulated cross-connector ZQI	ZQI 4/2 YE						ZQI 4/2 YE	
Cat. no.	**3720.8** 308	50					**3720.8** 308	50
Insulated cross-connector ZQI	ZQI 4/3 YE						ZQI 4/3 YE	
Cat. no.	**3721.8** 308	50					**3721.8** 308	50
Insulated cross-connector ZQI	ZQI 4/4 YE						ZQI 4/4 YE	
Cat. no.	**3722.8** 308	20					**3722.8** 308	20
Insulated cross-connector ZQI	ZQI 4/5 YE						ZQI 4/5 YE	
Cat. no.	**3723.8** 308	20					**3723.8** 308	20
Insulated cross-connector ZQI	ZQI 4/6 YE						ZQI 4/6 YE	
Cat. no.	**3724.8** 308	20					**3724.8** 308	20
Insulated cross-connector ZQI	ZQI 4/7 YE						ZQI 4/7 YE	
Cat. no.	**3725.8** 308	20					**3725.8** 308	20
Insulated cross-connector ZQI	ZQI 4/8 YE						ZQI 4/8 YE	
Cat. no.	**3726.8** 308	10					**3726.8** 308	10
Insulated cross-connector ZQI	ZQI 4/9 YE						ZQI 4/9 YE	
Cat. no.	**3727.8** 308	10					**3727.8** 308	10
Insulated cross-connector ZQI	ZQI 4/10 YE						ZQI 4/10 YE	
Cat. no.	**3728.8** 308	10					**3728.8** 308	10
Four-way cover ZAD	ZAD 4/4/B YE			ZAD 4/4/B YE			ZAD 4/4/B YE	
Cat. no.	**3707.0** 315	20		**3707.0** 315	20		**3707.0** 315	20
labelling adapter ZBA								
Cat. no.								
End stop ZES	ZES 35 BG			ZES 35 BG			ZES 35 BG	
Cat. no.	**3748.2** 275	50		**3748.2** 275	50		**3748.2** 275	50
Test adapter ZTA	ZTA 4			ZTA 4			ZTA 4	
Cat. no.	**3741.2** 320	10		**3741.2** 320	10		**3741.2** 320	10
Screwdriver / Metal actuating tool BWMA	SDB 0.6x3.5			SDB 0.6x3.5			SDB 0.6x3.5	
Cat. no.	**1086.0** 422	1		**1086.0** 422	1		**1086.0** 422	1
Quick marking PMC SB	PMC SB 6/50 WH			PMC SB 6/50 WH			PMC SB 6/50 WH	
Cat. no.	**4702.7** 340	500		**4702.7** 340	500		**4702.7** 340	500

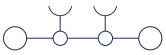
More accessories starting on page 264.

ZSL 4/3A Ex	ZRK 4/4A Ex	ZSL 4/4A Ex		
				
Protective earth terminal 3 connections	Feed-through terminal 4 connections	Protective earth terminal 4 connections		
Tension-spring	**Tension-spring**	**Tension-spring**		
78.5 x 6.1 x 42	93 x 6.1 x 42	93 x 6.1 x 42		
Qty.	**Qty.**	**Qty.**		
ZSL 4/3A Ex GNYE **1723.2** 100	ZRK 4/4A Ex BG **1718.2** 100 ZRK 4/4A Ex BU **1718.5** 100	ZSL 4/4A Ex GNYE **1724.2** 100		
2	.2 .5	2		
	500			
	32			
TÜV ATEX 7093 U	TÜV ATEX 7093 U	TÜV ATEX 7093 U		
4 | 20-10	4 | 20-10	4 | 20-10		
8 | 3	8 | 3	8 | 3		
A4 | V0	A4 | V0	A4 | V0		
0.5-6 | -	0.5-6 | -	0.5-6 | -		
0.5-6 | 0.5-4	0.5-6 | 0.5-4	0.5-6 | 0.5-4		
0.08-6	0.08-6	0.08-6		
12	12	12		
PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C		
- | 2	2 | 2	- | 2		
Page Qty.	**Page Qty.**	**Page Qty.**		
ZAP 4/3A GN **3704.1** 280 50	ZAP 4/4A BG **3705.2** 280 50	ZAP 4/4A GN **3705.1** 280 50		
	ZQI 4/2 YE **3720.8** 308 50			
	ZQI 4/3 YE **3721.8** 308 50			
	ZQI 4/4 YE **3722.8** 308 20			
	ZQI 4/5 YE **3723.8** 308 20			
	ZQI 4/6 YE **3724.8** 308 20			
	ZQI 4/7 YE **3725.8** 308 20			
	ZQI 4/8 YE **3726.8** 308 10			
	ZQI 4/9 YE **3727.8** 308 10			
	ZQI 4/10 YE **3728.8** 308 10			
ZAD 4/4/B YE **3707.0** 315 20	ZAD 4/4/B YE **3707.0** 315 20	ZAD 4/4/B YE **3707.0** 315 20		
ZES 35 BG **3748.2** 275 50	ZES 35 BG **3748.2** 275 50	ZES 35 BG **3748.2** 275 50		
ZTA 4 **3741.2** 320 10	ZTA 4 **3741.2** 320 10	ZTA 4 **3741.2** 320 10		
SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1		
PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500	PMC SB 6/50 WH **4702.7** 340 500		

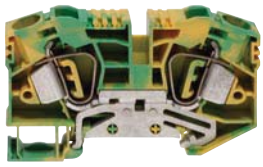
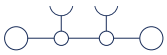
Ex feed-through and protective-earth terminals certified by ATEX

Tension-spring connection system

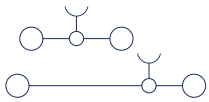
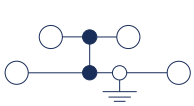
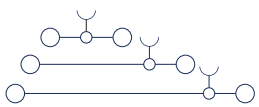
- Foot can be snapped on TS35 DIN rails
- Housing made from polyamide 6.6 UL 94-V0

	ZRK 6/2A Ex	ZSL 6/2A Ex	ZRK 10/2A Ex
Connection diagram			
	Feed-through terminal 2 connections	Protective earth terminal 2 connections	Feed-through terminal 2 connections
Connection type	**Tension-spring**	**Tension-spring**	**Tension-spring**
Size (L x W x H) with TS 35 x 7.5 mm	93 x 6.1 x 42	93 x 6.1 x 42	73.5 x 10.1 x 50.5
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	ZRK 6/2A Ex BG	ZSL 6/2A Ex GNYE	ZRK 10/2A Ex BG
Cat. no.	**1719.2** 100	**1725.2** 100	**1720.2** 50
Type colour	ZRK 6/2A Ex BU		ZRK 10/2A Ex BU
Cat. no.	**1719.5** 100		**1720.5** 50
Type colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	.2 .5	.2	.2 .5
Ratings			
Rated voltage, V	630		500
Rated current, A	41		57
Partial certification number	TÜV ATEX 7093 U	TÜV ATEX 7093 U	TÜV ATEX 7093 U
Rated wire cross-section, mm² | AWG	6 | 20-8	6 | 20-8	10 | 16-6
Rated impulse voltage, kV | Contamination degree	8 | 3	8 | 3	8 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A5 | V0	A5 | V0	B6 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.5-10 | -	0.5-10 | -	1.5-16 | 1.5-16
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.5-10 | 0.5-6	0.5-10 | 0.5-6	1.5-10 | 1.5-10
Contact wire range, mm²	0.5-10	0.5-10	1.5-16
Stripping length, mm	13	13	18
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels | Test pick-off	1 | 2	- | 2	2 | 2
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
ZAP end plate	ZAP 6/2A BG	ZAP 6/2A GN	ZAP 10/2A BG
Cat. no.	**3760.2** 281 20	**3760.1** 281 20	**3788.2** 281 20
Insulated cross-connector ZQI	ZQI 6/2 YE		ZQI 10/2 YE
Cat. no.	**3763.8** 309 50		**3789.8** 309 20
Insulated cross-connector ZQI	ZQI 6/3 YE		
Cat. no.	**3764.8** 309 50		
Insulated cross-connector ZQI	ZQI 6/4 YE		
Cat. no.	**3765.8** 309 20		
Insulated cross-connector ZQI	ZQI 6/5 YE		
Cat. no.	**3766.8** 309 20		
Insulated cross-connector ZQI	ZQI 6/6 YE		
Cat. no.	**3767.8** 309 20		
Insulated cross-connector ZQI	ZQI 6/7 YE		
Cat. no.	**3768.8** 309 20		
Insulated cross-connector ZQI	ZQI 6/8 YE		
Cat. no.	**3769.8** 309 10		
Insulated cross-connector ZQI	ZQI 6/9 YE		
Cat. no.	**3770.8** 309 10		
Insulated cross-connector ZQI	ZQI 6/10 YE		
Cat. no.	**3771.8** 309 10		
Insulated cross-connector ZQI			
Cat. no.			
Four-way cover ZAD	ZAD 6/4/B YE	ZAD 6/4/B YE	ZAD 10/4/B YE
Cat. no.	**3708.0** 315 20	**3708.0** 315 20	**3709.0** 315 20
labelling adapter ZBA			
Cat. no.			
End stop	ZES 35 BG	ZES 35 BG	ZES 35 BG
Cat. no.	**3748.2** 275 50	**3748.2** 275 50	**3748.2** 275 50
Test adapter ZTA	ZTA 6	ZTA 6	ZTA 10
Cat. no.	**3772.2** 321 10	**3772.2** 321 10	**3790.2** 321 10
Screwdriver / Metal actuating tool BWMA	SDB 0.8x4.0	SDB 0.8x4.0	SDB 1.2x6.5
Cat. no.	**1087.0** 422 1	**1087.0** 422 1	**1088.0** 422 1
Quick marking PMC SB	PMC SB 8/40 WH	PMC SB 8/40 WH	PMC SB 8/40 WH
Cat. no.	**9323.7** 342 400	**9323.7** 342 400	**9323.7** 342 500

More accessories starting on page 264.

ZSL 10/2A Ex	ZRK 16/2A Ex	ZSL 16/2A Ex		
				
				
Protective earth terminal 2 connections	Feed-through terminal 2 connections	Protective earth terminal 2 connections		
Tension-spring	**Tension-spring**	**Tension-spring**		
73.5 x 10.1 x 50.5	81.5 x 12 x 51.5	81.5 x 12 x 51.5		
Qty.	**Qty.**	**Qty.**		
ZSL 10/2A Ex GNYE **1726.2** 50	ZRK 16/2A Ex BG **1721.2** 50 ZRK 16/2A Ex BU **1721.5** 50	ZSL 16/2A Ex GNYE **1727.2** 50		
2	.2 .5	2		
	630			
	76			
TÜV ATEX 7093 U	TÜV ATEX 7093 U	TÜV ATEX 7093 U		
10 | 16-6	16 | 14-4	16 | 14-4		
8 | 3	8 | 3	8 | 3		
B6 | V0	B7 | V0	B7 | V0		
1.5-16 | 1.5-16	1.5-16 | 1.5-25	1.5-16 | 1.5-16		
1.5-10 | 1.5-10	1.5-16 | 1.5-16	1.5-10 | 1.5-10		
1.5-16	1.5-16	1.5-16		
18	18	18		
PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C		
- | 2	2 | 2	- | 2		
Page Qty.	**Page Qty.**	**Page Qty.**		
ZAP 10/2A GN **3788.1** 281 20	ZAP 16/2A BG **3799.2** 281 20 ZQI 16/2 YE **3800.8** 309 20	ZAP 16/2A GN **3799.1** 281 20		
ZAD 10/4/B YE **3709.0** 315 20	ZAD 16/4/B YE **3801.0** 315 20	ZAD 16/4/B YE **3801.0** 315 20		
ZES 35 BG **3748.2** 275 50	ZES 35 BG **3748.2** 275 50	ZES 35 BG **3748.2** 275 50		
ZTA 10 **3790.2** 321 10	ZTA 16 **3810.2** 321 10	ZTA 16 **3810.2** 321 10		
SDB 1.2x6.5 **1088.0** 422 1	SDB 1.2x6.5 **1088.0** 422 1	SDB 1.2x6.5 **1088.0** 422 1		
PMC SB 8/40 WH **9323.7** 342 500	PMC SB 8/40 WH **9323.7** 342 500	PMC SB 8/40 WH **9323.7** 342 500		

Ex double-level and protective earth double level terminals certified according to ATEX

Tension-spring connection system	ZRKD 2.5 Ex	ZSLD 2.5 Ex	ZIKD 2.5 Ex
• Foot can be snapped on TS35 DIN rails • Housing made from polyamide 6.6 UL 94-V0			
	Double-level terminal 4 connections	Protective earth terminal 4 connections	Three-level terminal 6 connections

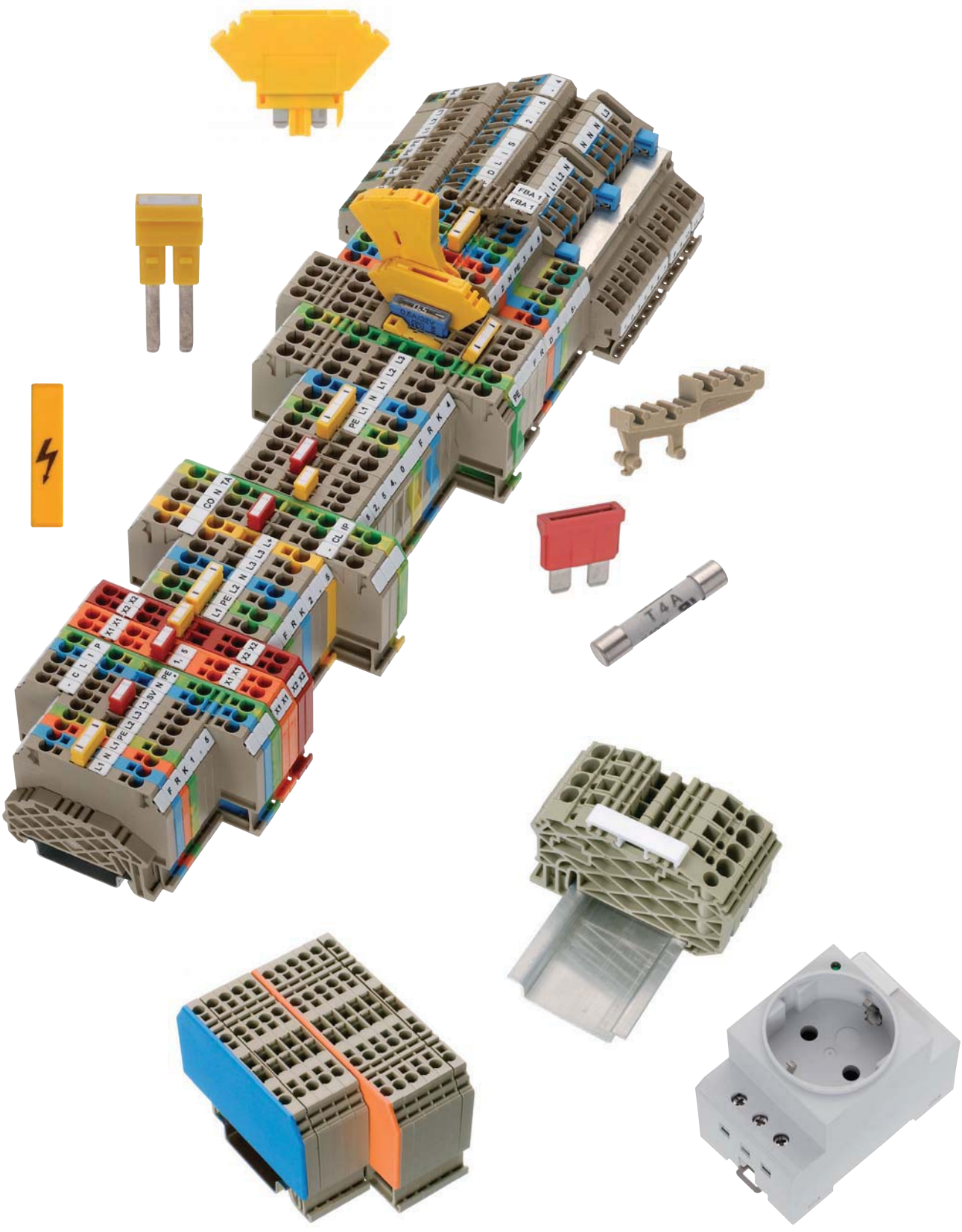
Connection type	Tension-spring	Tension-spring	Tension-spring
Size (L x W x H) with TS 35 x 7,5 (H with labelling adapter), in mm	83.6 x 5.1 x 53 (64)	83.6 x 5.1 x 53	116.2 x 5 x 68
Type	**Qty.**	**Qty.**	**Qty.**
Type colour	ZRKD 2.5 Ex BG	ZSLD 2.5 Ex GNYE	ZIKD 2.5 Ex BG
Cat. no.	**1707.2** 100	**1728.2** 100	**1708.2** 100
Type colour	ZRKD 2.5 Ex BU		ZIKD 2.5 Ex BU
Cat. no.	**1707.5** 100		**1708.5** 100
Type colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	.2 .5	.2	.2 .5
Ratings			
Rated voltage, V	500		500
Rated current, A	24		24
Partial certification number	TÜV ATEX 7093 U	TÜV ATEX 7093 U	TÜV ATEX 7093 U
Rated wire cross-section, mm² | AWG	2.5 | 20-12	2.5 | 20-12	2.5 | 20-12
Rated impulse voltage, kV | Contamination degree	6 | 3	6 | 3	6 | 3
Plug gauge acc. to EN 60 947-1 | Flamm. class acc. to UL 94	A3 | V0	A3 | V0	A3 | V0
Connection data			
Single wire (solid) | stranded (stranded) mm²	0.5-4 | -	0.5-4 | -	0.5-4 | -
Stranded/stranded (w/ferrules acc. to DIN 46 228/1) mm²	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5	0.5-4 | 0.5-2.5
Contact wire range, mm²	0.08-4	0.08-4	0.08-4
Stripping length, mm	10	10	10
Features			
Material of insulated housing | Temperature range	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C	PA 6.6 | -40 to +120°C
Number of cross-connection channels | Test pick-off	2 | 4	- | 4	3 | 6

Accessories	Page	Qty.	Page	Qty.	Page	Qty.
ZAP end plate	ZAPD 2.5 BG		ZAPD 2.5 GN		ZAP/ID 2.5 BG	
Cat. no.	**3756.2** 281	20	**3756.1** 281	20	**3761.2** 281	20
Insulated cross-connector ZQI	ZQI 2.5/2 YE				ZQI 2.5/2 YE	
Cat. no.	**3710.8** 308	50			**3710.8** 308	50
Insulated cross-connector ZQI	ZQI 2.5/3 YE				ZQI 2.5/3 YE	
Cat. no.	**3711.8** 308	50			**3711.8** 308	50
Insulated cross-connector ZQI	ZQI 2.5/4 YE				ZQI 2.5/4 YE	
Cat. no.	**3712.8** 308	20			**3712.8** 308	20
Insulated cross-connector ZQI	ZQI 2.5/5 YE				ZQI 2.5/5 YE	
Cat. no.	**3713.8** 308	20			**3713.8** 308	20
Insulated cross-connector ZQI	ZQI 2.5/6 YE				ZQI 2.5/6 YE	
Cat. no.	**3714.8** 308	20			**3714.8** 308	20
Insulated cross-connector ZQI	ZQI 2.5/7 YE				ZQI 2.5/7 YE	
Cat. no.	**3715.8** 308	20			**3715.8** 308	20
Insulated cross-connector ZQI	ZQI 2.5/8 YE				ZQI 2.5/8 YE	
Cat. no.	**3716.8** 308	10			**3716.8** 308	10
Insulated cross-connector ZQI	ZQI 2.5/9 YE				ZQI 2.5/9 YE	
Cat. no.	**3717.8** 308	10			**3717.8** 308	10
Insulated cross-connector ZQI	ZQI 2.5/10 YE				ZQI 2.5/10 YE	
Cat. no.	**3718.8** 308	10			**3718.8** 308	10
Insulated cross-connector ZQI	ZQI 2.5/0.5 w/99 poles YE				ZQI 2.5/0.5 w/99 poles YE	
Cat. no.	**3719.8** 308	1			**3719.8** 308	1
Four-way cover ZAD	ZAD 2.5/4/B YE		ZAD 2.5/4/B YE		ZAD 2.5/4/B YE	
Cat. no.	**3706.0** 315	20	**3706.0** 315	20	**3706.0** 315	20
labelling adapter ZBA	ZBA 1 BG		ZBA 1BG		ZBA 3 BG	
Cat. no.	**3745.2** 314	20	**3745.2** 314	20	**3813.2** 314	50
End stop	ZES 35 BG		ZES 35 BG		ZES 35 BG	
Cat. no.	**3748.2** 275	50	**3748.2** 275	50	**3748.2** 275	50
Test adapter ZTA	ZTA 2.5 BG		ZTA 2.5 BG		ZTA 2.5 BG	
Cat. no.	**3740.2** 320	10	**3740.2** 320	10	**3740.2** 320	10
Screwdriver / Metal actuating tool BWMA	BWMA 1 (0.5x3.5mm)		BWMA 1 (0.5x3.5mm)		BWMA 1 (0.5x3.5mm)	
Cat. no.	**3808.0** 328	1	**3808.0** 328	1	**3808.0** 328	1
Quick marking PMC SB	PMC SB 5/50 WH		PMC SB 5/50 WH		PMC SB 5/50 WH	
Cat. no.	**4600.7** 339	500	**4600.7** 339	500	**4600.7** 339	500

More accessories starting on page 264.

General accessories for CONTA-CONNECT

The **CONTA-CLIP** line of accessories is conceived and designed with the customer in mind. Our accessories allow you to move forward on a great number of technical applications with a minimum of effort and parts.



General accessories for CONTA-CONNECT

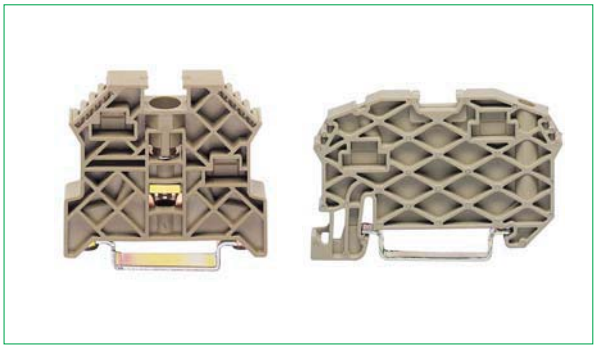
Overview

DIN rails

A wide variety of DIN rails are available, in two-meter sections or pre-cut as required. They vary in shape, size and material. They fit on various rail types ((C profile TS 32, Automatic profile TS 35, compact rail TS 15), are made from steel, copper or PVC, and are available in slotted or unslotted versions.

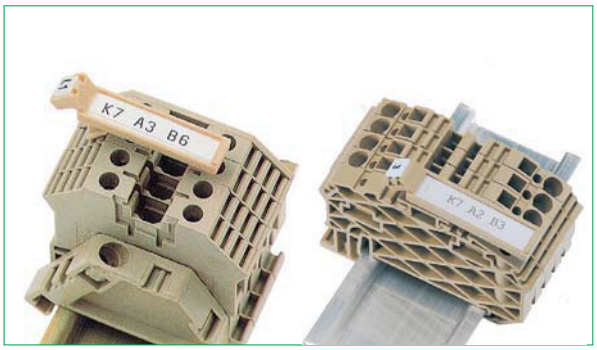
End stops | End supports

End stops are necessary for preventing movement of components along the rail. They are put in at the beginning and at the end of the rail assembly. Depending on the DIN rail, they differ in the dimensions of the mounting foot and their screw-on or snap-on design. End stops can also be used to hold a variety of group marker holders. An end support with screw flange or snap-in clip ensures that the terminal block is securely attached to the mounting plates.



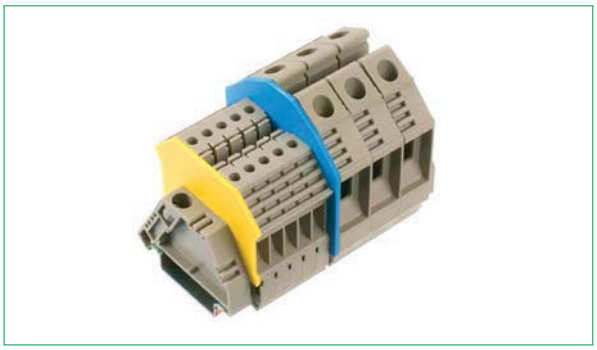
Group marker holders

Group marker holders allow you to clearly label terminal strip configurations. They are available in a variety of versions. Adhesive labels, paper strips or standard terminal markers are used for the labelling.



End plates | Visual separation

End plates are normally attached to the end or to the transition from a larger to a smaller terminal block. They ensure that there is enough insulation (touch protection) for the current-carrying section.



General accessories for CONTA-CONNECT

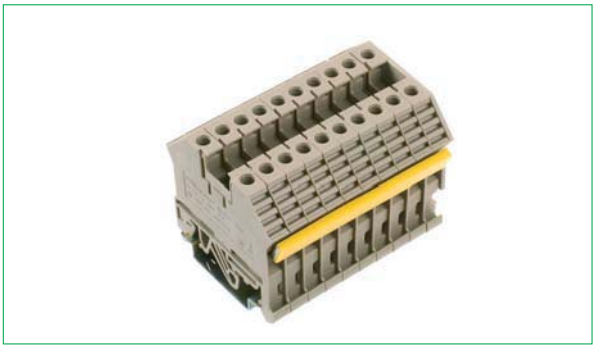
Overview

Cross-connectors

Cross-connectors save you time when distributing similar potentials or signals in a large number of electrical connections. They are either pluggable or screwable and are available with from 2 to 99 poles. The terminal block design and the variability of the cross-connector ensure excellent flexibility.

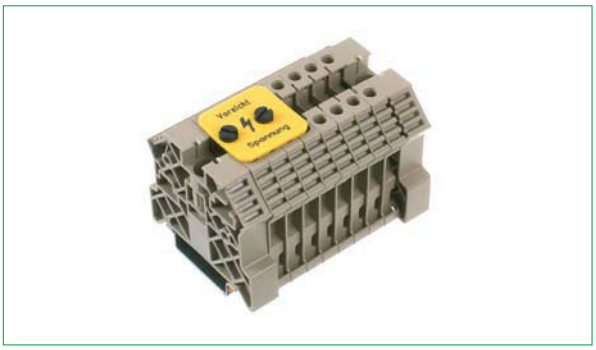
External cross-connector

External cross-connection bridges make it possible to branch off the current for terminal blocks which do not have a cross-connection channel or when an additional potential needs to be cross-connected. The attachment is at the clamping point of the terminal. As a result, the rated cross-section of the terminal block must be reduced to the next smallest wire cross-section.



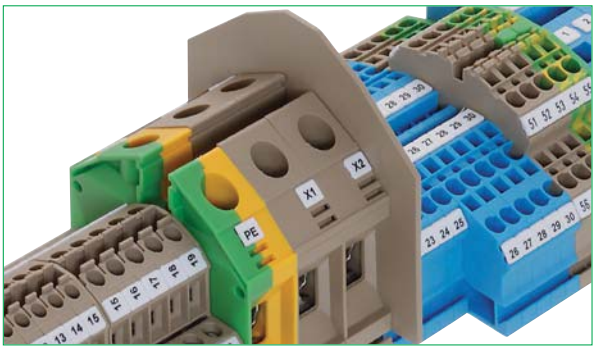
Covers

VDE regulations require that the mains connection terminals are mounted before the main switch be covered. The yellow covers (labelled with a lightning flash) are used to cover the cross-connection and operational channels. Thus they discourage operation of the terminal while live voltage is present.



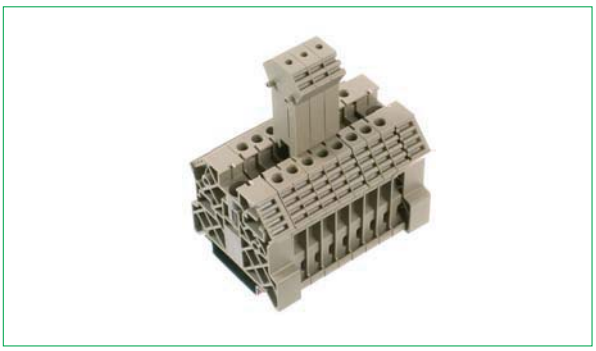
Partition plates

Partition plates are attached within a terminal strip assembly so that there is a clear visual separation of the different voltage levels. When used, they also serve to extend the creepage and clearance distances (increased rated voltage).



Testing and inspecting

A direct measurement can be carried out at the busbar on the screw-connection terminal by using a **PS** test plug and attaching a socket plug. The test adapters can be assembled to any pole counts using the locking pegs. They can be used to test assembled terminal blocks in a quick and safe manner.



General accessories for CONTA-CONNECT

Overview

Reducing sleeves

The **ZRH** tension-spring reducing sleeves allow you to securely attach a small wire in a terminal point without splaying off the individual strands.

Fuse holders

The plug-in fuse holders are available as models with or without a status display. When used together with the base terminals, they provide excellent flexibility, ease of use, and a large variety in the 5x20 mm micro-fuse range.

Fuse cartridges

G fuses are available in the 5 x 20 mm and 6.3 x 32 mm sizes, and in the “slow-acting” and “fast” versions. They are used with the **STK/SIK/SK/ZTRK** fused terminals and fuse-disconnect terminals. Additional auto-fuses, in compliance with DIN 72581, are available for fused terminal blocks in pressure-spring and tension-spring connection systems.

Specific accessories, test-disconnect terminals PTK

In addition to the standard accessories, the test-disconnect terminal product line includes many special articles. Internal and external cross-switch bridges, socket plugs and short-circuit plugs, for example, are required for constructing a secure terminal strip unit for measurement circuit applications.

Actuating tools

The fully-insulated **BW 1** to **BW 10** tools and the **BWMA** metallic tools can be used to actuate the pressure springs and tension springs in terminal blocks with cross-sections of 2.5 mm².

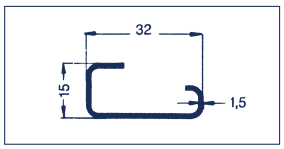
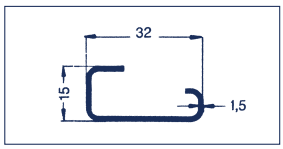
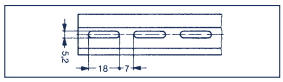
TS DIN rails

DIN rails TS 32 / TS 35

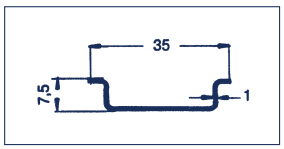
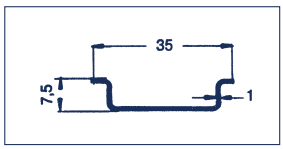
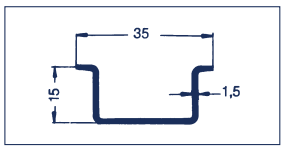
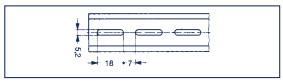
The design of the **TS** DIN rail complies with the European norm DIN EN 60715. The steel DIN rail is galvanized and has a coating of blue chromate that is at least 10 µm thick. We place extra importance on maintaining a high degree of dimensional accuracy. The steel DIN rails can be used as protective-earth busbars (with PE function) in compliance with DIN VDE 0611 part 3. Please note the following when using the rail as a PEN busbar:

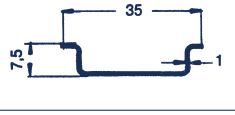
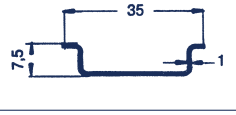
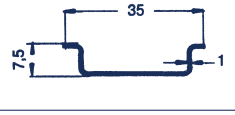
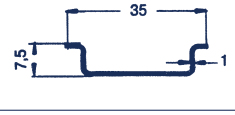
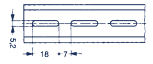
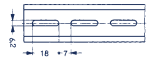
- Only one E-Cu rail should be used.
- The short-circuit currents and the rated thermal currents must be observed.

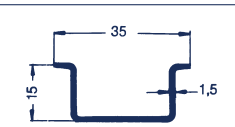
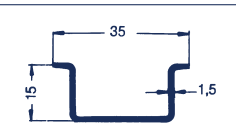
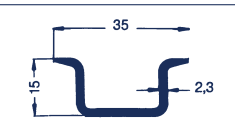
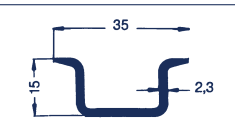
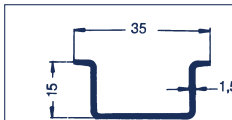
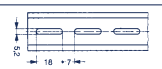
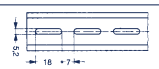
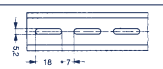
The DIN rails are delivered in standard lengths of 2 meters. All DIN rails are also available in prepared (cut to length) versions, but all types are available pre-cut to customers requirements.

	TS 32	TS 32	
			
			
Type	**Qty.**	**Qty.**	
Type	TS 32	TS 32	
Cat. no.	**2025.0** 2 m	**2093.0** 2 m	
Type/colour			
Cat. no.			
Features			
Material	Steel	Steel	
Processing	unslotted	slotted 5.2 x 18	

DIN rails TS 35

	TS 35	TS 35	TS 35
			
			
Type	**Qty.**	**Qty.**	**Qty.**
Type	TS 35 x 7.5 galvanized	TS 35 x 7.5 galvanized	TS 35 x 15
Cat. no.	**4562.0** 2 m	**4563.0** 2 m	**2027.0** 2 m
Type/colour			
Cat. no.			
Features			
Material	Galvanized steel	Galvanized steel	Steel
Processing	unslotted	slotted 5.2 x 18	unslotted

TS 35	TS 35	TS 35	TS 35	
				
				
Qty.	Qty.	Qty.	Qty.	
TS 35 x 7.5 **2026.0** 2 m	TS 35 x 7.5 **2094.0** 2 m	TS 35 x 7.5 **2704.0** 2 m	TS 35 x 7.5 ALU **2710.0** 2 m	
Steel unslotted	Steel slotted 5.2 x 18	Steel slotted 6,2 x 18	Aluminium unslotted	

TS 35	TS 35	TS 35	TS 35	TS 35
				
				
Qty.	Qty.	Qty.	Qty.	Qty.
TS 35 x 15 **2095.0** 2 m	TS 35 x 15 **4566.0** 2 m	TS 35 x 15/2.3 **2038.0** 2 m	TS 35 x 15/2.3 **2039.0** 2 m	TS 35 x 15 galvanized **4561.0** 2 m
Steel slotted 5.2 x 18	Steel slotted 6.2 x 18	Steel unslotted	Steel slotted 5.2 x 18	Galvanized steel unslotted

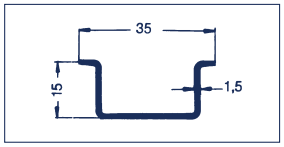
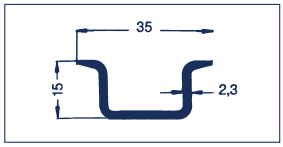
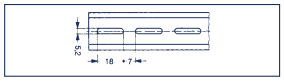
TS DIN rails

DIN rails TS 35

The design of the **TS** DIN rail complies with the European norm DIN EN 60715. The steel DIN rail is galvanized and has a coating of blue chromate that is at least 10 µm thick. We place extra importance on maintaining a high degree of dimensional accuracy. The steel DIN rails can be used as protective-earth busbars (with PE function) in compliance with DIN VDE 0611 part 3. Please note the following when using the rail as a PEN busbar:

- Only one E-Cu rail should be used.
- The short-circuit currents and the rated thermal currents must be observed.

The DIN rails are delivered in standard lengths of 2 meters. All DIN rails are also available in prepared (cut to length) versions, but all types are available pre-cut to customers requirements.

	TS 35	TS 35	
			
			
Type	**Qty.**	**Qty.**	
Type	TS 35 x 15 galvanized	TS 35 x 15 PVC	
Cat. no.	**4564.0** 2 m	**2372.0** 2 m	
Type/colour			
Cat. no.			
Features			
Material	Galvanized steel	PVC	
Processing	slotted 5.2 x 18	unslotted	

Rails / protective earth / busbars according to DIN VDE 0611, part 3

Type	Cat. no.	Material	Short-circuit resistance	Max. short-circuit current KA	Max. allowed thermal rated current, with PEN function
TS 32	**2025.0**	Steel	35	4.2	*
TS 32 slotted	**2093.0**	Steel	35	4.2	*
TS 35 x 7.5	**2026.0**	Steel	16	1.92	*
TS 35 x 7.5 slotted	**2094.0**	Steel	16	1.92	*
TS 35 x 7.5	**2704.0**	Steel	16	1.92	*
TS 35 x 7.5	**4562.0**	Galvanized steel	16	1.92	*
TS 35 x 7.5 slotted	**4563.0**	Galvanized steel	16	1.92	*
TS 35 x 7.5	**2710.0**	Aluminium	35	4.2	105
TS 35 x 15	**2027.0**	Steel	25	3.0	*
TS 35 x 15	**4561.0**	Galvanized steel	25	3.0	*
TS 35 x 15 slotted	**2095.0**	Steel	25	3.0	*
TS 35 x 15 slotted	**4566.0**	Steel	25	3.0	*
TS 35 x 15/2.3	**2038.0**	Steel	50	6.0	*
TS 35 x 15/2.3, slotted	**2039.0**	Steel	50	6.0	*
TS 15	**2091.0**	Steel	10	1.2	*
TS 15 slotted	**2092.0**	Steel	10	1.2	*
TS 15	**2711.0**	Aluminium	16	1.92	81
TS 15 slotted	**2378.0**	Aluminium	16	1.92	82

* Use of protective earth steel busbars is not permitted for PEN functionality!

Notes

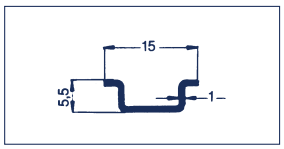
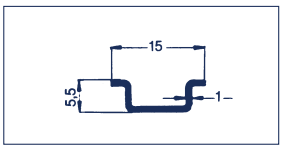
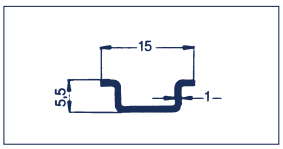
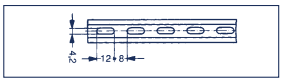
DIN rails TS | DIN rail brackets TSTW/TST

DIN rails TS 15

The design of the **TS** DIN rail complies with the European norm DIN EN 60715. The steel DIN rail is galvanized and has a coating of blue chromate that is at least 10 µm thick. We place extra importance on maintaining a high degree of dimensional accuracy. The steel DIN rails can be used as protective-earth busbars (with PE function) in compliance with DIN VDE 0611 part 3. Please note the following when using the rail as a PEN busbar:

- Only one E-Cu rail should be used.
- The short-circuit currents and the rated thermal currents must be observed.

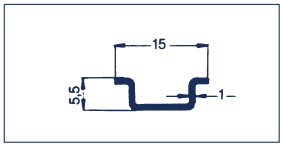
The DIN rails are delivered in standard lengths of 2 meters. All DIN rails are also available in prepared (cut to length) versions, but all types are available pre-cut to customers requirements.

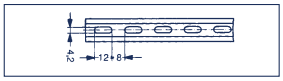
	TS 15	TS 15	TS 15
			
			
Type	**Qty.**	**Qty.**	**Qty.**
Type	TS 15 unslotted	TS 15 slotted	TS 15 ALU unslotted
Cat. no.	**2091.0** 2m	**2092.0** 2m	**2711.0** 2m
Type/colour			
Cat. no.			
Features			
Material	Steel	Steel	Aluminium
Processing	unslotted	slotted 4.2 x 12	unslotted

DIN rail brackets TSTW/TST

	TSTW/M6	TSTW/M6	TSTW/F/M6
	DIN rail bracket M6	DIN rail bracket M5	DIN rail bracket M6
Type	**Qty.**	**Qty.**	**Qty.**
Type	TSTW/M6	TSTW/M6	TSTW/F/M6
Cat. no.	**2303.0** 10	**2414.0** 10	**2563.0** 10
Type/colour			
Cat. no.			
Features			
Material	Steel	Steel	Steel
Drill hole	M 6	M 5	M 6
Height, mm	48	48	32
Accessories	**Qty.**	**Qty.**	**Qty.**
Screw	BS M 6x12/15	BS M 5x8/15	BS M 6x12/15
Cat. no.	**2304.0** 50	**2415.0** 50	**2304.0** 50

TS 15





Qty.	
TS 15 ALU slotted **2378.0**	2m

Aluminium
slotted 4.2 x 12

TSTW/F/M5

DIN rail bracket M5

Qty.	
TSTW/F/M5 **2564.0**	10

Steel
M 5
32

Qty.	
BS M 5x8/15 **2415.0**	50

TST/M6

DIN rail bracket M6

Qty.	
TST/M6 **2737.0**	10

Steel
M 6
20

Qty.	
BS M 6x12/15 **2304.0**	50

TST/M5

DIN rail bracket M5

Qty.	
TST/M5 **2736.0**	10

Steel
M 5
20

Qty.	
BS M 5x8/15 **2415.0**	50

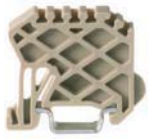
End stops | End supports

End stops TS 35	ES 35	ES 35/2/K	ES 35/K/ST
End stops are necessary for preventing movement of components along the rail. They are put in at the beginning and at the end of the rail assembly. Depending on the DIN rail, they differ in the dimensions of the mounting foot and their screw-on or snap-on design.			
	Screw end stop	Screw end stop	Screw end stop
Dimensions			
Dimensions (LxWxH), mm	46 x 7.5 x 32	50 x 8 x 47	50 x 9.5 x 44
Type	**Qty.**	**Qty.**	**Qty.**
Type	ES 35 BG	ES 35/2/K BG	ES 35/K/ST BG
Cat. no.	**2005.2** 50	**2826.2** 50	**2828.0** 50
Features			
Material	PA 6.6 V2	PA 6.6 V2	PA 6.6 V2
DIN rails	TS 35	TS 35	TS 35
Terminal width, mm	7.5	8	9,5

End stops TS 32	ES 32	ES 32/2/K	ES 32/2K/ST
	Screw end stop	Screw end stop	Screw end stop
Dimensions			
Dimensions (LxWxH), mm	27 x 7.5 x 44	48 x 8 x 49	50 x 9,5 x 44
Type	**Qty.**	**Qty.**	**Qty.**
Type	ES 32 BG	ES 32/2/K BG	ES 32/K/ST BG
Cat. no.	**2004.2** 50	**2825.2** 50	**2827.0** 50
Features			
Material	PA 6.6 V2	PA 6.6 V2	PA 6.6 V2
DIN rails	TS 32	TS 32	TS 32
Terminal width, mm	7.5	8	9.5

End support for BKA / KBL	EH 1	EH 2	EH 2-Z
	Screw end support	Screw end support	screwless End support
Dimensions			
Dimensions (LxWxH), mm	22 x 7 x 21	22 x 7 x 23	22 x 5 x 23
Type	**Qty.**	**Qty.**	**Qty.**
Type	EH 1 BG	EH 2 BG	EH 2-Z BG
Cat. no.	**2135.2** 50	**2136.2** 50	**2147.2** 50
Features			
Material	PA 6.6 V2	PA 6.6 V2	PA 6.6 V2
Mounting	Direct mounting	Direct mounting	Direct mounting
Terminal width, mm	7	7	5
Hole diameter, mm	3.5	3.5	-
For terminal			
	RKB 4	BKA 2,5 BKA 4	BKA 2,5 BKA 4

ES 32/35	HES 35 ST	ZES 35	ZES 35/2	
Screw end stop	Screw end stop	Screwless end stop	Screwless end stop	
52 x 9.5 x 47	49 x 11 x 69	59 x 6 x 39	49 x 5 x 34	
Qty.	**Qty.**	**Qty.**	**Qty.**	
ES 32/35 BG **1424.2** 50	HES 35/ST BG **2761.0** 50	ZES 35 BG **3748.2** 50	ZES 35/2 BG **3811.2** 50	
PA 6.6 V2	Steel	PA 6.6 V2	PA 6.6 V2	
TS 35 / TS 32	TS 35	TS 35	TS 35	
9,5	11	6	5	

ES 32/35	HES 32 ST	End stops TS 15	ES 15	ZES 15
				
Screw end stop	Screw end stop		Screw end stop	Screwless end stop
52 x 9,5 x 47	49 x 11 x 69	Dimensions (L x W x H), mm	26 x 7.5 x 22	27 x 5 x 24
Qty.	**Qty.**	**Type**	**Qty.**	**Qty.**
ES 32/35 BG **1424.2** 50	HES 32/ST BG **2760.0** 50	Type **Cat. no.**	ES 15 BG **2074.2** 50	ZES 15 BG **3812.2** 50
PA 6.6 V2	Steel	**Features**	PA 6.6 V2	PA 6.6 V2
TS 35 / TS 32	TS 32	Material	TS 15	TS 15
9,5	11	DIN rails	7.5	5
		Terminal width, mm		

EH 3	EH 4	EH 15 BKA	EH 35 BKA	ZEH 1
Screw end support	Screw end support	Screw end support	Screw end support	Screw end support
30 x 8 x 31	46 x 8 x 36	31 x 9 x 28	46 x 8 x 39	40 x 11,1 x 24
Qty.	**Qty.**	**Qty.**	**Qty.**	**Qty.**
ES 3 BG **2939.2** 50	EH 4 BG **2180.2** 50	EH 15 BKA BG **2945.2** 50	EH 35 BKA BG **2946.2** 50	ZEH 1 BG **3759.2**
PA 6.6 V2	PA 6.6 V2	PA 6.6 V2	PA 6.6 V2	PA 6.6 V0
Direct mounting	Direct mounting	TS 15	TS 35	Direct mounting
8	8	9	8	11.1
3.5	3.5	-	-	3.5
BKA 10	KBL 2,5D KBL 2,5-4D KBL 6-10D	BKA 2,5 BKA 4	BKA 10	ZSRK... ZSLN...

Marker holders for terminal blocks and end stops

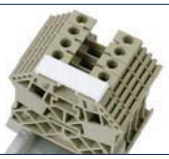
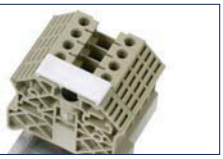
Marker holders for terminal blocks and end stops

These marker holders provide a solution for marking a group of terminals or devices on the DIN rail.

The marker holders are available for attaching to terminal blocks and end stops.
The GT1 and GT2 group marker holders can be attached directly to the DIN rail. Depending on the type, they can be be marked with SB and AS terminal markers.
Custom marking is possible with BS-1 pen or EMS-2 plotter.

Material: Polyamide 6.6 V2, halogen-free

	SchT 4/8 - SchT 6/12	SchT 7	ZSchT1
	Hinged marker holder for terminal block and end stop	Hinged marker holder for terminal block and end stop	Hinged marker holder for terminal block and end stop
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	SchT 4/8 *1	SchT 7, short joint	ZSchT 1
Cat. no.	**2528.0** 100	**2504.0** 100	**3773.0** 100
Type/colour	SchT 6/12 *2	SchT 7, long joint	
Cat. no.	**2529.0** 100	**2361.0** 100	100
Colours available	(2)	(2)	(2)
Characteristics			
Dimensions			
Width, mm	5	8.5	8.5
Material			
Material	PA6.6, halogen-free	PA6.6, halogen-free	PA6.6, halogen-free
Temperature range	-40 °C to +105°C	-40 °C to +105°C	-40°C to +105°C
Flamm. class acc. to UL 94	V2	V2	V2
Application			
Terminal blocks	≥ 5 mm	≥ 5 mm	≥ 5 mm
End stop	All types	All types	All types
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Terminal marker PMC Cat. no.	PMC SB 5/50 WH **4600.7** 339 500		
Terminal marker MC Cat. no.	MC SB 5/200 **3300.7** 356 1000		
Terminal marker AS3 Cat. no.	AS 3/10 WH **2571.0** 354 500		
Insert marker Cat. no.		ESO 1 sheet of 120 pieces **2584.0**	ESO 1 sheet of 120 pieces **2584.0**
Adhesive device labels GKE Cat. no.		GKE 30/6 WH 1 roll of 10000 pieces **3917.7** 398	GKE 30/6 WH 1 roll of 10000 pieces **3917.7** 398
Protective strips Cat. no.		STR 1 **2506.0** 100	STR 1 **2506.0** 100
Shield cap SK Cat. no.			

	SchT 9	SchT 10	ZSchT 3
			
	Marker holders for end stops	Marker holders for end stops	Hinged marker holder for end stop
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	SchT 9	SchT 10	ZSchT 3
Cat. no.	**3749.0** 100	**3809.0** 100	**3775.2** 100
Type/colour			
Cat. no.			
Colours available	(0)	(0)	(2)
Characteristics			
Dimensions			
Width, mm	8	9,5	8,5
Material			
Material	PA6.6, halogen-free	PA6.6, halogen-free	PA6.6, halogen-free
Temperature range	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C
Flamm. class acc. to UL 94	V2	V2	V2
Inscription			
Plotter	EMS-2	EMS-2	
Plotter inlay	CCI-11	CCI-11	
Marker pen	BS-1	BS-1	
Application			
Terminal blocks	-	-	-
End stop	ES../2/K | ES../K/ST	ES../K/ST	ES/.. | ZES 35
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Insert marker **Cat. no.**			ESO 1 sheet of 120 pieces **2584.0**
Adhesive device labels GKE **Cat. no.**			GKE 30/6 WH 1 roll of 10000 pieces **3917.7** 404
Protective strips **Cat. no.**			STR 1 **2506.0** 100

More accessories starting on page 264.

*1: 4 x SB or 8 x AS markers
*2: 6 x SB or 12 x AS markers

ZSchT2

Hinged marker holder for terminal block and end stop

Qty.
ZSchT 2
3774.0 100

(2)

8,5

PA6.6, halogen-free

-40°C to +105°C

V2

≥ 5 mm

All types

Page	Qty.
ESO **2584.0**	1 sheet of 120 pieces
GKE 30/6 WH **3917.7**	1 roll of 10000 pieces
STR 1 **2506.0**	100

SchT 12

Marker holder for terminal block

Qty.
SchT 12*1
2531.0 100

(2)

6

PA6.6, halogen-free

-40°C to +105°C

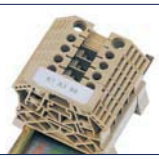
V2

RK2,5-4 | RK6-10

-

Page	Qty.
PMC SB 5/50 WH **4600.7**	339 500
MC SB 5/200 **3300.7**	356 1000
AS 3/10 WH **2571.0**	354 500

SchT 2



Marker holders for end stops

Qty.
SchT 2
2888.0 100

(2)

9,5

PA6.6, halogen-free

-40°C to + 105°C

V2

-

ES../2/K | ES../K/ST

Page	Qty.
ESO 2 **2877.0**	10
GKE 30/6 WH **3917.7**	1 roll of 10000 pieces
STR 2 **2878.0**	100

SchT 11

Marker holders for end stops

Qty.
SchT 11*1
2530.0 100

(0)

5

PA6.6, halogen-free

-40°C to +105°C

V2

-

ES../2/K | ES../K/ST | ZES35/2

Page	Qty.
PMC SB 5/50 WH **4600.7**	339 500
MC SB 5/200 **3300.7**	356 1000
AS 3/10 WH **2571.0**	354 500

ZSchT 4

Hinged marker holder for end stop

Qty.
ZSchT 4
3776.0 100

(2)

8.5

PA6.6, halogen-free

-40°C to +105°C

V2

-

ES/.. | ZES 35

Page	Qty.
ESO **2584.0**	1 sheet of 120 pieces
GKE 30/6 WH **3917.7**	1 roll of 10000 pieces
STR 1 **2506.0**	100

ZSchT 5

Hinged marker holder for end stop

Qty.
ZSchT 5
3777.0 100

(2)

6

PA6.6, halogen-free

-40°C to +105°C

V2

-

ES../2/K | ES../K/ST | ZES35

Page	Qty.
ESO 3 **2585.0**	1 sheet of 124 pieces
STR 3 **2579.0**	100

ZSchT 6

Marker holders for end stops

Qty.
ZSchT 6
3807.0 100

(0)

6

PA6.6, halogen-free

-40°C to +105°C

V2

EMS-2

CCI-11

BS-1

-

ES../2/K | ES../K/ST | ZES35

Page	Qty.

GT 1

Group marker holder for TS35/32 DIN rail

Qty.
GT 1
3783.2 20

9.5

PA6.6, halogen-free

-40°C to +105°C

V2

-

-

Page	Qty.
ESO GT 1 **2580.0**	1 sheet of 140 pieces
GKE 30/6 WH **3917.7**	1 roll of 10000 pieces
STR GT 1 **2582.0**	20

GT 2

Group marker holder for TS35/32 DIN rail

Qty.
GT 2
3784.2 20

(2)

19.5

PA6.6, halogen-free

-40°C to +105°C

V2

-

-

Page	Qty.
ESO GT 2 **2581.0**	1 sheet of 60 pieces
GKE 30/6 WH **3917.7**	1 roll of 10000 pieces
STR GT 2 **2583.0**	20

End plates | Visual separation

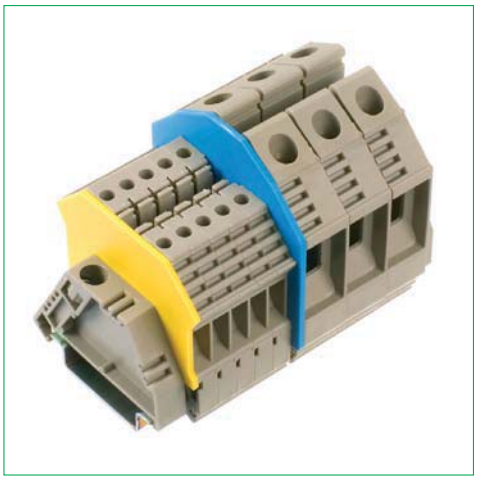
Screw connection system

The AP end plates are normally used at the end of a row of terminals. If different terminals are being used within the same terminal block, then you should insert end plates in order to ensure that the touch-safe protection is maintained. The outer dimensions of the end plates match the dimensions of the terminals.

Coloured end plates are used quite often in order to establish a clear visual separation between the different circuits or voltage levels. In addition, the use of end plates increases the clearance and creepage distances, which in turn influence the voltage ratings.

The locking pegs ensure that the end plates can be mounted quickly.

Because of the special design of the **RK** series, an end plate does not need to be used to separate neighbouring **QI** cross-connectors of different potentials.



End plates for standard terminals SRK|RK|TSK|FF|SS|SF|PTK

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
2427.2	AP 2,5/15 BG	beige	50	1.5 mm	PA 6.6 V2	SRK 2,5/15
2427.5	AP 2,5/15 BU	blue	50	1.5 mm	PA 6.6 V2	SRK 2,5/15
2427.3	AP 2,5/15 OG	orange	50	1.5 mm	PA 6.6 V2	SRK 2,5/15
2427.1	AP 2,5/15 GN	green	50	1.5 mm	PA 6.6 V2	SRK 2,5/15
2427.9	AP 2,5/15 RD	red	50	1.5 mm	PA 6.6 V2	SRK 2,5/15
2427.8	AP 2,5/15 YE	yellow	50	1.5 mm	PA 6.6 V2	SRK 2,5/15
2070.2	AP-SR BG	beige	50	1.5 mm	PA 6.6 V2	SRK 2,5
2070.5	AP-SR BU	blue	50	1.5 mm	PA 6.6 V2	SRK 2,5
2070.3	AP-SR OG	orange	50	1.5 mm	PA 6.6 V2	SRK 2,5
2070.1	AP-SR GN	green	50	1.5 mm	PA 6.6 V2	SRK 2,5
2070.9	AP-SR RD	red	50	1.5 mm	PA 6.6 V2	SRK 2,5
2070.8	AP-SR YE	yellow	50	1.5 mm	PA 6.6 V2	SRK 2,5
2738.2	AP 1,5-4 BG	beige	50	1.5 mm	PA 6.6 V2	RK 1,5-4/15 | RK 1,5-4
2738.5	AP 1,5-4 BU	blue	50	1.5 mm	PA 6.6 V2	RK 1,5-4/15 | RK 1,5-4
2738.3	AP 1,5-4 OG	orange	50	1.5 mm	PA 6.6 V2	RK 1,5-4/15 | RK 1,5-4
2738.1	AP 1,5-4 GN	green	50	1.5 mm	PA 6.6 V2	RK 1,5-4/15 | RK 1,5-4
2738.9	AP 1,5-4 RD	red	50	1.5 mm	PA 6.6 V2	RK 1,5-4/15 | RK 1,5-4
2738.8	AP 1,5-4 YE	yellow	50	1.5 mm	PA 6.6 V2	RK 1,5-4/15 | RK 1,5-4
2001.2	AP 2,5-10 BG	beige	50	1.5 mm	PA 6.6 V2	SRK 2,5/2A-SRK 10/2A RK 2,5-4 | RK 6-10, TSK, FF, SF
2001.5	AP 2,5-10 BU	blue	50	1.5 mm	PA 6.6 V2	SRK 2,5/2A-SRK 10/2A RK 2,5-4 | RK 6-10, TSK, FF, SF
2001.3	AP 2,5-10 OG	orange	50	1.5 mm	PA 6.6 V2	SRK 2,5/2A-SRK 10/2A RK 2,5-4 | RK 6-10, TSK, FF, SF
2001.1	AP 2,5-10 GN	green	50	1.5 mm	PA 6.6 V2	SRK 2,5/2A-SRK 10/2A RK 2,5-4 | RK 6-10, TSK, FF, SF
2001.9	AP 2,5-10 RD	red	50	1.5 mm	PA 6.6 V2	SRK 2,5/2A-SRK 10/2A RK 2,5-4 | RK 6-10, TSK, FF, SF
2001.8	AP 2,5-10 YE	yellow	50	1.5 mm	PA 6.6 V2	SRK 2,5/2A-SRK 10/2A RK 2,5-4 | RK 6-10, TSK, FF, SF
2104.2	AP 16 BG	beige	20	1.5 mm	PA 6.6 V2	RK 16
2104.5	AP 16 BU	blue	20	1.5 mm	PA 6.6 V2	RK 16
2104.3	AP 16 OG	orange	20	1.5 mm	PA 6.6 V2	RK 16
2116.2	AP 35 BG	beige	20	1.5 mm	PA 6.6 V2	RK 35
2116.5	AP 35 BU	blue	20	1.5 mm	PA 6.6 V2	RK 35
2116.3	AP 35 OG	orange	20	1.5 mm	PA 6.6 V2	RK 35
2421.2	AP/FF 1/15 BG	beige	20	1.5 mm	PA 6.6 V2	FF 1,5
2574.2	AP 2,5/R BG	beige	50	1.5 mm	PA 6.6 V2	RK 2,5-4 ZR
2574.5	AP 2,5/R BU	blue	50	1.5 mm	PA 6.6 V2	RK 2,5-4 ZR
2574.1	AP 2,5/R GN	green	50	1.5 mm	PA 6.6 V2	RK 2,5-4 ZR
2575.2	AP 2,5/RL BG	beige	50	1.5 mm	PA 6.6 V2	RK 2,5-4 ZRL
2575.5	AP 2,5/RL BU	blue	50	1.5 mm	PA 6.6 V2	RK 2,5-4 ZRL
2575.1	AP 2,5/RL GN	green	50	1.5 mm	PA 6.6 V2	RK 2,5-4 ZRL
2782.2	AP/L/Q/D BG	beige	20	1.5 mm	PA 6.6 V2	PTK

End plates for double-level terminal blocks RKD | RKDG

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
2101.2	AP 4 BG	beige	20	1.5 mm	PA 6.6 V2	RKD 2,5 | RKD 4
2101.5	AP 4 BU	blue	20	1.5 mm	PA 6.6 V2	RKD 2,5 | RKD 4
2101.3	AP 4 OG	orange	20	1.5 mm	PA 6.6 V2	RKD 2,5 | RKD 4
2101.1	AP 4 GN	green	20	1.5 mm	PA 6.6 V2	RKD 2,5 | RKD 4
2101.9	AP 4 RD	red	20	1.5 mm	PA 6.6 V2	RKD 2,5 | RKD 4
2101.8	AP 4 YE	yellow	20	1.5 mm	PA 6.6 V2	RKD 4
2159.2	AP 4 800 V BG	beige	20	1.5 mm	PA 6.6 V2	RKD 4
2586.2	APG 4 BG	beige	20	1.5 mm	PA 6.6 V2	RKDG 4
2586.5	APG 4 BU	blue	20	1.5 mm	PA 6.6 V2	RKDG 4

End plates for multi-level terminal blocks IKD|VMAK|IK|DLIS|DLI

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
2699.2	AP 2,5/ID BG	beige	20	1.5 mm	PA 6.6 V2	IKD 2,5
2699.5	AP 2,5/ID BU	blue	20	1.5 mm	PA 6.6 V2	IKD 2,5
2699.3	AP 2,5/ID OG	orange	20	1.5 mm	PA 6.6 V2	IKD 2,5
2862.2	AP VMAK 2,5 BG	beige	20	1.5 mm	PA 6.6 V2	VMAK 2,5
2862.5	AP VMAK 2,5 BU	blue	20	1.5 mm	PA 6.6 V2	VMAK 2,5
2862.3	AP VMAK 2,5 OG	orange	20	1.5 mm	PA 6.6 V2	VMAK 2,5
2698.2	AP 2,5/I BG	beige	20	1.5 mm	PA 6.6 V2	IK 2,5
2698.5	AP 2,5/I BU	blue	20	1.5 mm	PA 6.6 V2	IK 2,5
2698.3	AP 2,5/I OG	orange	20	1.5 mm	PA 6.6 V2	IK 2,5
2714.2	AP/IKD 2,5/short BG	beige	20	1.5 mm	PA 6.6 V2	IKD 2,5
2829.2	AP 2,5 S BG	beige	20	1.5 mm	PA 6.6 V2	DLIS 2,5
2831.2	AP 2,5 D BG	beige	20	1.5 mm	PA 6.6 V2	DLI 2,5

End plates for Disconnect- and fused terminals STK|TK|STKD|SIK|SK

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
2046.2	AP/SI-1 BG	beige	50	1.5 mm	PA 6.6 V2	STK 1 | TK 2
2046.3	AP/SI-1 OG	orange	50	1.5 mm	PA 6.6 V2	STK 1 | TK 2
2046.5	AP/SI-1 BU	blue	50	1.5 mm	PA 6.6 V2	STK 1 | TK 2
2047.2	AP/SI BG	beige	50	1.5 mm	PA 6.6 V2	SK 1
2047.4	AP/SI BK	black	20	1.5 mm	PA 6.6 V2	SK 1
2186.2	AP/SI-2 BG	beige	50	1.5 mm	PA 6.6 V2	STK 2 | STK 2/K
2186.3	AP/SI-2 OG	orange	50	1.5 mm	PA 6.6 V2	STK 2 | STK 2/K
2186.5	AP/SI-2 BU	blue	50	1.5 mm	PA 6.6 V2	STK 2 | STK 2/K
2187.2	AP/SID-1 BG	beige	20	1.5 mm	PA 6.6 V2	STKD 1 | STKD 1/K
2187.3	AP/SID-1 OG	orange	20	1.5 mm	PA 6.6 V2	STKD 1 | STKD 1/K
2187.5	AP/SID-1 BU	blue	20	1.5 mm	PA 6.6 V2	STKD 1 | STKD 1/K
2762.2	AP 10 BG	beige	20	2 mm	PA 6.6 V2	SIK 10
2762.3	AP 10 OG	orange	20	2 mm	PA 6.6 V2	SIK 10
2762.5	AP 10 BG	blue	20	2 mm	PA 6.6 V2	SIK 10

End plates | Visual separation

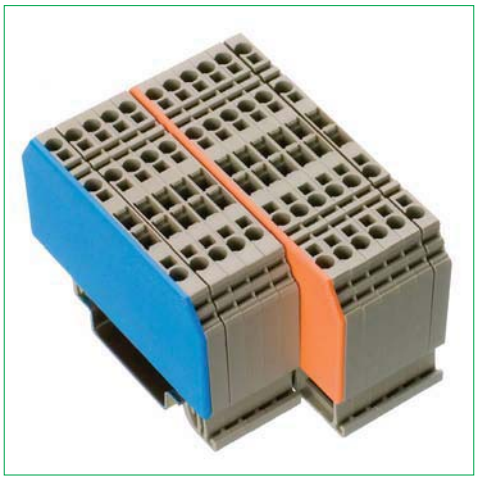
Pressure-spring connection system

The **FAP** end plates are normally used at the end of a row of terminals. If different terminals are being used within the same terminal block, then you should insert end plates in order to ensure that the touch-safe protection is maintained.
The outer dimensions of the end plates match the dimensions of the terminal blocks.

Coloured end plates are often used to establish a clear visual separation between the different circuits or voltage levels.
In addition, the use of end plates increases the clearance and creepage distances, which in turn influence the voltage ratings.

The locking pegs ensure that the end plates can be mounted quickly.

Because of the special design of the **FRK** series, an end plate does not need to be used to separate neighbouring cross-connectors of different potentials.



End plates for double-level terminal blocks FRK

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3400.2	FAP 1,5-4/2A BG	beige	20	1.5 mm	PA 6.6 V0	FRK 1,5/2A, FSL 1,5/2A FRK 2,5/2A, FSL 2,5/2A FRK 4/2A, FSL 4/2A
3400.5	FAP 1,5-4/2A BU	blue	20	1.5 mm	PA 6.6 V0	FRK 1,5/2A, FSL 1,5/2A FRK 2,5/2A, FSL 2,5/2A FRK 4/2A, FSL 4/2A
3400.3	FAP 1,5-4/2A OG	orange green	20	1.5 mm	PA 6.6 V0	FRK 1,5/2A, FSL 1,5/2A FRK 2,5/2A, FSL 2,5/2A FRK 4/2A, FSL 4/2A
3400.1	FAP 1,5-4/2A GN		20	1.5 mm	PA 6.6 V0	FRK 1,5/2A, FSL 1,5/2A FRK 2,5/2A, FSL 2,5/2A FRK 4/2A, FSL 4/2A
3400.9	FAP 1,5-4/2A RD	red	20	1.5 mm	PA 6.6 V0	FRK 1,5/2A, FSL 1,5/2A FRK 2,5/2A, FSL 2,5/2A FRK 4/2A, FSL 4/2A
3400.8	FAP 1,5-4/2A YE	yellow	20	1.5 mm	PA 6.6 V0	FRK 1,5/2A, FSL 1,5/2A FRK 2,5/2A, FSL 2,5/2A FRK 4/2A, FSL 4/2A
3401.2	FAP 1,5/3A BG	beige	20	1.5 mm	PA 6.6 V0	FRK 1,5/3A, FSL 1,5/3A
3401.5	FAP 1,5/3A BU	blue	20	1.5 mm	PA 6.6 V0	FRK 1,5/3A, FSL 1,5/3A
3401.3	FAP 1,5/3A OG	orange	20	1.5 mm	PA 6.6 V0	FRK 1,5/3A, FSL 1,5/3A
3401.1	FAP 1,5/3A GN	green	20	1.5 mm	PA 6.6 V0	FRK 1,5/2A, FSL 1,5/3A
3401.9	FAP 1,5/3A RD	red	20	1.5 mm	PA 6.6 V0	FRK 1,5/3A, FSL 1,5/3A
3401.8	FAP 1,5/3A YE	yellow	20	1.5 mm	PA 6.6 V0	FRK 1,5/2A, FSL 1,5/3A
3402.2	FAP 1,5/4A BG	beige	20	1.5 mm	PA 6.6 V0	FRK 1,5/4A, FSL 1,5/4A
3402.5	FAP 1,5/4A BU	blue	20	1.5 mm	PA 6.6 V0	FRK 1,5/4A, FSL 1,5/4A
3402.3	FAP 1,5/4A OG	orange	20	1.5 mm	PA 6.6 V0	FRK 1,5/4A, FSL 1,5/4A
3402.1	FAP 1,5/4A GN	green	20	1.5 mm	PA 6.6 V0	FRK 1,5/2A, FSL 1,5/4A
3402.9	FAP 1,5/4A RD	red	20	1.5 mm	PA 6.6 V0	FRK 1,5/4A, FSL 1,5/4A
3402.8	FAP 1,5/4A YE	yellow	20	1.5 mm	PA 6.6 V0	FRK 1,5/2A, FSL 1,5/4A
3411.2	FAP 2,5/3A BG	beige	20	1.5 mm	PA 6.6 V0	FRK 2,5/3A, FSL 2,5/3A
3411.5	FAP 2,5/3A BU	blue	20	1.5 mm	PA 6.6 V0	FRK 2,5/3A, FSL 2,5/3A
3411.3	FAP 2,5/3A OG	orange	20	1.5 mm	PA 6.6 V0	FRK 2,5/3A, FSL 2,5/3A
3411.1	FAP 2,5/3A GN	green	20	1.5 mm	PA 6.6 V0	FRK 2,5/3A, FSL 2,5/3A
3411.9	FAP 2,5/3A RD	red	20	1.5 mm	PA 6.6 V0	FRK 2,5/3A, FSL 2,5/3A
3411.8	FAP 2,5/3A YE	yellow	20	1.5 mm	PA 6.6 V0	FRK 2,5/3A, FSL 2,5/3A
3412.2	FAP 2,5/4A BG	beige	20	1.5 mm	PA 6.6 V0	FRK 2,5/4A, FSL 2,5/4A
3412.5	FAP 2,5/4A BU	blue	20	1.5 mm	PA 6.6 V0	FRK 2,5/4A, FSL 2,5/4A
3412.3	FAP 2,5/4A OG	orange	20	1.5 mm	PA 6.6 V0	FRK 2,5/4A, FSL 2,5/4A
3412.1	FAP 2,5/4A GN	green	20	1.5 mm	PA 6.6 V0	FRK 2,5/4A, FSL 2,5/4A
3412.9	FAP 2,5/4A RD	red	20	1.5 mm	PA 6.6 V0	FRK 2,5/4A, FSL 2,5/4A
3412.8	FAP 2,5/4A YE	yellow	20	1.5 mm	PA 6.6 V0	FRK 2,5/4A, FSL 2,5/4A
3421.2	FAP 4/3A BG	beige	20	1.5 mm	PA 6.6 V0	FRK 4/3A, FSL 4/3A
3421.5	FAP 4/3A BU	blue	20	1.5 mm	PA 6.6 V0	FRK 4/3A, FSL 4/3A
3421.3	FAP 4/3A OG	orange	20	1.5 mm	PA 6.6 V0	FRK 4/3A, FSL 4/3A
3421.1	FAP 4/3A GN	green	20	1.5 mm	PA 6.6 V0	FRK 4/3A, FSL 4/3A
3421.9	FAP 4/3A RD	red	20	1.5 mm	PA 6.6 V0	FRK 4/3A, FSL 4/3A
3421.8	FAP 4/3A YE	yellow	20	1.5 mm	PA 6.6 V0	FRK 4/3A, FSL 4/3A
3422.2	FAP 4/4A BG	beige	20	1.5 mm	PA 6.6 V0	FRK 4/4A, FSL 4/4A
3422.5	FAP 4/4A BU	blue	20	1.5 mm	PA 6.6 V0	FRK 4/4A, FSL 4/4A
3422.3	FAP 4/4A OG	orange	20	1.5 mm	PA 6.6 V0	FRK 4/4A, FSL 4/4A
3422.1	FAP 4/4A GN	green	20	1.5 mm	PA 6.6 V0	FRK 4/4A, FSL 4/4A
3422.9	FAP 4/4A RD	red	20	1.5 mm	PA 6.6 V0	FRK 4/4A, FSL 4/4A
3422.8	FAP 4/4A YE	yellow	20	1.5 mm	PA 6.6 V0	FRK 4/4A, FSL 4/4A

End plates for double-level terminals FRKD

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3423.2	FAPD 2,5 BG	beige	20	1.5 mm	PA 6.6 V0	FRKD 2,5 | FSLD 2,5
3423.5	FAPD 2,5 BU	blue	20	1.5 mm	PA 6.6 V0	FRKD 2,5 | FSLD 2,5
3423.3	FAPD 2,5 OG	orange	20	1.5 mm	PA 6.6 V0	FRKD 2,5 | FSLD 2,5
3423.1	FAPD 2,5 GN	green	20	1.5 mm	PA 6.6 V0	FRKD 2,5 | FSLD 2,5

End plates for multi-level terminals FDLIS

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3480.2	FAP 4/S BG	beige	20	1.5 mm	PA 6.6 V0	FDLIS 2,5-4....
3480.5	FAP 4/S BU	blue	20	1.5 mm	PA 6.6 V0	FDLIS 2,5-4....
3480.3	FAP 4/S OG	orange	20	1.5 mm	PA 6.6 V0	FDLIS 2,5-4....

End plates for disconnect and fused terminals FTRK

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3481.2	FAPT 2,5/2A BG	beige	20	1.5 mm	PA 6.6 V0	FTRK 2,5/2A
3481.5	FAPT 2,5/2A BU	blue	20	1.5 mm	PA 6.6 V0	FTRK 2,5/2A
3481.3	FAPT 2,5/2A OG	orange	20	1.5 mm	PA 6.6 V0	FTRK 2,5/2A
3481.1	FAPT 2,5/2A GN	green	20	1.5 mm	PA 6.6 V0	FTRK 2,5/2A
3481.9	FAPT 2,5/2A RD	red	20	1.5 mm	PA 6.6 V0	FTRK 2,5/2A
3481.8	FAPT 2,5/2A YE	yellow	20	1.5 mm	PA 6.6 V0	FTRK 2,5/2A
3482.2	FAPT 2,5/3A BG	beige	20	1.5 mm	PA 6.6 V0	FTRK 2,5/3A
3482.5	FAPT 2,5/3A BU	blue	20	1.5 mm	PA 6.6 V0	FTRK 2,5/3A
3482.3	FAPT 2,5/3A OG	orange	20	1.5 mm	PA 6.6 V0	FTRK 2,5/3A
3482.1	FAPT 2,5/3A GN	green	20	1.5 mm	PA 6.6 V0	FTRK 2,5/3A
3482.9	FAPT 2,5/3A RD	red	20	1.5 mm	PA 6.6 V0	FTRK 2,5/3A
3482.8	FAPT 2,5/3A YE	yellow	20	1.5 mm	PA 6.6 V0	FTRK 2,5/3A

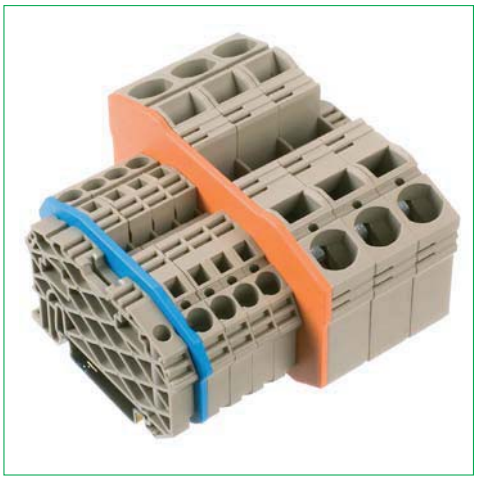
End plates | Visual separation

Tension-spring connection system

The **ZAP** end plates are normally used at the end of a row of terminals. End plates must also be used within a terminal strip when it makes use of terminal blocks of different sizes in order to ensure touch-safe finger protection. The outer dimensions of the end plates match the dimensions of the terminal blocks.

Coloured end plates are used quite often in order to establish a clear visual separation between the different circuits or voltage levels. In addition, the use of end plates increases the clearance and creepage distances, which in turn influence the voltage ratings. The locking pegs ensure that the end plates can be mounted quickly.

Because of the special design of the **ZRK** series, an end plate does not need to be used to separate neighbouring cross-connectors of different potentials.



End plates for direct-mount terminal blocks with snap-in clip ZSRK/ZSLN (RC)

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3758.2	ZAP SR/RC BG	beige	50	5 mm	PA 6.6 V0	ZSRK 2,5/2A/RC | ZSLN 2,5/2A/RC
3758.5	ZAP SR/RC BU	blue	50	5 mm	PA 6.6 V0	ZSRK 2,5/2A/RC | ZSLN 2,5/2A/RC
3758.3	ZAP SR/RC OG	orange	50	5 mm	PA 6.6 V0	ZSRK 2,5/2A/RC | ZSLN 2,5/2A/RC
3758.1	ZAP SR/RC GN	green	50	5 mm	PA 6.6 V0	ZSRK 2,5/2A/RC | ZSLN 2,5/2A/RC
3758.9	ZAP SR/RC RD	red	50	5 mm	PA 6.6 V0	ZSRK 2,5/2A/RC | ZSLN 2,5/2A/RC
3758.8	ZAP SR/RC YE	yellow	50	5 mm	PA 6.6 V0	ZSRK 2,5/2A/RC | ZSLN 2,5/2A/RC

End plates for standard compact terminal blocks ZSRK/ZSLN

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3757.2	ZAP SR BG	beige	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/2A | ZSLN 2,5/2A
3757.5	ZAP SR BU	blue	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/2A | ZSLN 2,5/2A
3757.3	ZAP SR OG	orange	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/2A | ZSLN 2,5/2A
3757.1	ZAP SR GN	green	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/2A | ZSLN 2,5/2A
3757.9	ZAP SR RD	red	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/2A | ZSLN 2,5/2A
3757.8	ZAP SR YE	yellow	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/2A | ZSLN 2,5/2A
3794.2	ZAP SR 3A/15 BG	beige	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/15 | ZSLN 2,5/3A/15
3794.5	ZAP SR 3A/15 BU	blue	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/15 | ZSLN 2,5/3A/15
3794.3	ZAP SR 3A/15 OG	orange	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/15 | ZSLN 2,5/3A/15
3794.1	ZAP SR 3A/15 GN	green	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/15 | ZSLN 2,5/3A/15
3794.9	ZAP SR 3A/15 RD	red	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/15 | ZSLN 2,5/3A/15
3794.8	ZAP SR 3A/15 YE	yellow	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/15 | ZSLN 2,5/3A/15
3795.2	ZAP SR 3A/35 BG	beige	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/35 | ZSLN 2,5/3A/35
3795.5	ZAP SR 3A/35 BU	blue	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/35 | ZSLN 2,5/3A/35
3795.3	ZAP SR 3A/35 OG	orange	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/35 | ZSLN 2,5/3A/35
3795.1	ZAP SR 3A/35 GN	green	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/35 | ZSLN 2,5/3A/35
3795.9	ZAP SR 3A/35 RD	red	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/35 | ZSLN 2,5/3A/35
3795.8	ZAP SR 3A/35 YE	yellow	50	1.5 mm	PA 6.6 V0	ZSRK 2,5/3A/35 | ZSLN 2,5/3A/35

End plates for standard terminal blocks ZRK/ZSL

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3700.2	ZAP 2,5/2A BG	beige	50	2 mm	PA 6.6 V0	ZRK 2,5/2A | ZSL 2,5/2A
3700.5	ZAP 2,5/2A BU	blue	50	2 mm	PA 6.6 V0	ZRK 2,5/2A | ZSL 2,5/2A
3700.3	ZAP 2,5/2A OG	orange	50	2 mm	PA 6.6 V0	ZRK 2,5/2A | ZSL 2,5/2A
3700.1	ZAP 2,5/2A GN	green	50	2 mm	PA 6.6 V0	ZRK 2,5/2A | ZSL 2,5/2A
3700.9	ZAP 2,5/2A RD	red	50	2 mm	PA 6.6 V0	ZRK 2,5/2A | ZSL 2,5/2A
3700.8	ZAP 2,5/2A YE	yellow	50	2 mm	PA 6.6 V0	ZRK 2,5/2A | ZSL 2,5/2A
3701.2	ZAP 2,5/3A BG	beige	50	2 mm	PA 6.6 V0	ZRK 2,5/3A | ZSL 2,5/3A
3701.5	ZAP 2,5/3A BU	blue	50	2 mm	PA 6.6 V0	ZRK 2,5/3A | ZSL 2,5/3A
3701.3	ZAP 2,5/3A OG	orange	50	2 mm	PA 6.6 V0	ZRK 2,5/3A | ZSL 2,5/3A
3701.1	ZAP 2,5/3A GN	green	50	2 mm	PA 6.6 V0	ZRK 2,5/3A | ZSL 2,5/3A
3701.9	ZAP 2,5/3A RD	red	50	2 mm	PA 6.6 V0	ZRK 2,5/3A | ZSL 2,5/3A
3701.8	ZAP 2,5/3A YE	yellow	50	2 mm	PA 6.6 V0	ZRK 2,5/3A | ZSL 2,5/3A
3702.2	ZAP 2,5/4A BG	beige	50	2 mm	PA 6.6 V0	ZRK 2,5/4A | ZSL 2,5/4A
3702.5	ZAP 2,5/4A BU	blue	50	2 mm	PA 6.6 V0	ZRK 2,5/4A | ZSL 2,5/4A
3702.3	ZAP 2,5/4A OG	orange	50	2 mm	PA 6.6 V0	ZRK 2,5/4A | ZSL 2,5/4A
3702.1	ZAP 2,5/4A GN	green	50	2 mm	PA 6.6 V0	ZRK 2,5/4A | ZSL 2,5/4A
3702.8	ZAP 2,5/4A YE	yellow	50	2 mm	PA 6.6 V0	ZRK 2,5/4A | ZSL 2,5/4A
3702.9	ZAP 2,5/4A RD	red	50	2 mm	PA 6.6 V0	ZRK 2,5/4A | ZSL 2,5/4A
3703.2	ZAP 4/2A BG	beige	50	2 mm	PA 6.6 V0	ZRK 4/2A | ZSL 4/2A
3703.5	ZAP 4/2A BU	blue	50	2 mm	PA 6.6 V0	ZRK 4/2A | ZSL 4/2A
3703.3	ZAP 4/2A OG	orange	50	2 mm	PA 6.6 V0	ZRK 4/2A | ZSL 4/2A
3703.1	ZAP 4/2A GN	green	50	2 mm	PA 6.6 V0	ZRK 4/2A | ZSL 4/2A
3703.9	ZAP 4/2A RD	red	50	2 mm	PA 6.6 V0	ZRK 4/2A | ZSL 4/2A
3703.8	ZAP 4/2A YE	yellow	50	2 mm	PA 6.6 V0	ZRK 4/2A | ZSL 4/2A
3704.2	ZAP 4/3A BG	beige	50	2 mm	PA 6.6 V0	ZRK 4/3A | ZSL 4/3A
3704.5	ZAP 4/3A BU	blue	50	2 mm	PA 6.6 V0	ZRK 4/3A | ZSL 4/3A
3704.3	ZAP 4/3A OG	orange	50	2 mm	PA 6.6 V0	ZRK 4/3A | ZSL 4/3A
3704.1	ZAP 4/3A GN	green	50	2 mm	PA 6.6 V0	ZRK 4/3A | ZSL 4/3A
3704.9	ZAP 4/3A RD	red	50	2 mm	PA 6.6 V0	ZRK 4/3A | ZSL 4/3A
3704.8	ZAP 4/3A YE	yellow	50	2 mm	PA 6.6 V0	ZRK 4/3A | ZSL 4/3A
3705.2	ZAP 4/4A BG	beige	50	2 mm	PA 6.6 V0	ZRK 4/4A | ZSL 4/4A
3705.5	ZAP 4/4A BU	blue	50	2 mm	PA 6.6 V0	ZRK 4/4A | ZSL 4/4A
3705.3	ZAP 4/4A OG	orange	50	2 mm	PA 6.6 V0	ZRK 4/4A | ZSL 4/4A
3705.1	ZAP 4/4A GN	green	50	2 mm	PA 6.6 V0	ZRK 4/4A | ZSL 4/4A
3705.9	ZAP 4/4A RD	red	50	2 mm	PA 6.6 V0	ZRK 4/4A | ZSL 4/4A
3705.8	ZAP 4/4A YE	yellow	50	2 mm	PA 6.6 V0	ZRK 4/4A | ZSL 4/4A

End plates | Visual separation

Tension-spring connection system

End plates for standard terminal blocks ZRK/ZSL

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3760.2	ZAP 6/2A BG	beige	20	2 mm	PA 6.6 V0	ZRK 6/2A | ZSL 6/2A
3760.5	ZAP 6/2A BU	blue	20	2 mm	PA 6.6 V0	ZRK 6/2A | ZSL 6/2A
3760.3	ZAP 6/2A OG	orange	20	2 mm	PA 6.6 V0	ZRK 6/2A | ZSL 6/2A
3760.1	ZAP 6/2A GN	green	20	2 mm	PA 6.6 V0	ZRK 6/2A | ZSL 6/2A
3760.9	ZAP 6/2A RD	red	20	2 mm	PA 6.6 V0	ZRK 6/2A | ZSL 6/2A
3760.8	ZAP 6/2A YE	yellow	20	2 mm	PA 6.6 V0	ZRK 6/2A | ZSL 6/2A
3788.2	ZAP 10/2A BG	beige	20	2 mm	PA 6.6 V0	ZRK 10/2A | ZSL 10/2A
3788.5	ZAP 10/2A BU	blue	20	2 mm	PA 6.6 V0	ZRK 10/2A | ZSL 10/2A
3788.3	ZAP 10/2A OG	orange	20	2 mm	PA 6.6 V0	ZRK 10/2A | ZSL 10/2A
3788.1	ZAP 10/2A GN	green	20	2 mm	PA 6.6 V0	ZRK 10/2A | ZSL 10/2A
3788.9	ZAP 10/2A RD	red	20	2 mm	PA 6.6 V0	ZRK 10/2A | ZSL 10/2A
3788.8	ZAP 10/2A YE	yellow	20	2 mm	PA 6.6 V0	ZRK 10/2A | ZSL 10/2A
3799.2	ZAP 16/2A BG	beige	20	2 mm	PA 6.6 V0	ZRK 16/2A | ZSL 16/2A
3799.5	ZAP 16/2A BU	blue	20	2 mm	PA 6.6 V0	ZRK 16/2A | ZSL 16/2A
3799.3	ZAP 16/2A OG	orange	20	2 mm	PA 6.6 V0	ZRK 16/2A | ZSL 16/2A
3799.1	ZAP 16/2A GN	green	20	2 mm	PA 6.6 V0	ZRK 16/2A | ZSL 16/2A
3799.9	ZAP 16/2A RD	red	20	2 mm	PA 6.6 V0	ZRK 16/2A | ZSL 16/2A
3799.8	ZAP 16/2A YE	yellow	20	2 mm	PA 6.6 V0	ZRK 16/2A | ZSL 16/2A

End plates for double-level terminal blocks ZRKD/ZSLD

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3756.2	ZAPD 2,5 BG	beige	20	2 mm	PA 6.6 V0	ZRKD 2,5 | ZSLD 2,5
3756.5	ZAPD 2,5 BU	blue	20	2 mm	PA 6.6 V0	ZRKD 2,5 | ZSLD 2,5
3756.3	ZAPD 2,5 OG	orange	20	2 mm	PA 6.6 V0	ZRKD 2,5 | ZSLD 2,5
3756.1	ZAPD 2,5 GN	green	20	2 mm	PA 6.6 V0	ZRKD 2,5 | ZSLD 2,5
3756.9	ZAPD 2,5 RD	red	20	2 mm	PA 6.6 V0	ZRKD 2,5 | ZSLD 2,5
3756.8	ZAPD 2,5 YE	yellow	20	2 mm	PA 6.6 V0	ZRKD 2,5 | ZSLD 2,5

End plates for initiator terminal blocks ZINI/ZAKTO/ZMP

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3746.2	ZAP/TW/ZIZA 1,5/3 BG	beige	20	5 mm	PA 6.6 V0	ZIZA 1,5/3 | ZIZA 1,5/3/PE
3747.2	ZAP/TW/ZIZA 1,5/4 BG	beige	20	5 mm	PA 6.6 V0	ZIZA 1,5/4 | ZIZA 1,5/4/PE
3785.2	ZAP ZMP BG	beige	20	5 mm	PA 6.6 V0	ZMP 1,5

End plates for multi-level terminal blocks ZIKD/ZVMAK

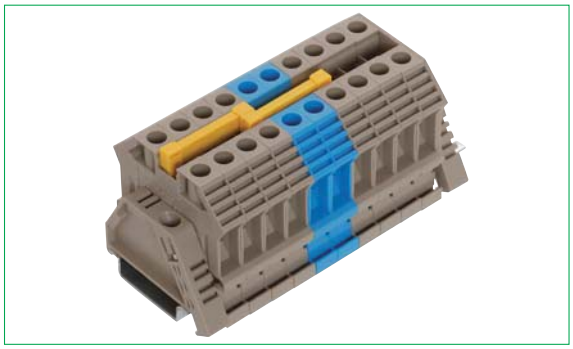
Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3761.2	ZAP 2,5/ID BG	beige	20	1.5 mm	PA 6.6 V0	ZIKD 2,5
3761.5	ZAP 2,5/ID BU	blue	20	1.5 mm	PA 6.6 V0	ZIKD 2,5
3761.3	ZAP 2,5/ID OG	orange	20	1.5 mm	PA 6.6 V0	ZIKD 2,5
3761.1	ZAP 2,5/ID GN	green	20	1.5 mm	PA 6.6 V0	ZIKD 2,5
3761.9	ZAP 2,5/ID RD	red	20	1.5 mm	PA 6.6 V0	ZIKD 2,5
3761.8	ZAP 2,5/ID YE	yellow	20	1.5 mm	PA 6.6 V0	ZIKD 2,5
3762.2	ZAP MA BG	beige	20	1.5 mm	PA 6.6 V0	ZVMAK 2,5
3762.5	ZAP MA BU	blue	20	1.5 mm	PA 6.6 V0	ZVMAK 2,5

End plates for disconnect and fused terminal blocks ZTRK

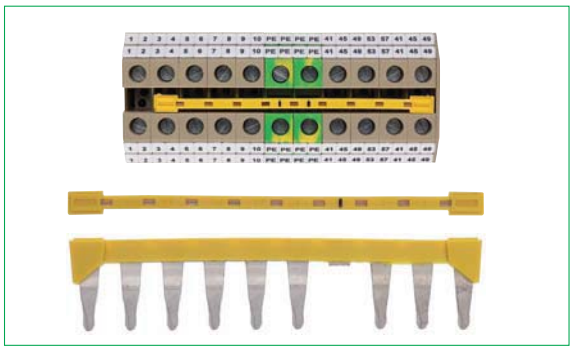
Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
3796.2	ZAPT 2,5/2A BG	beige	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/2A
3796.5	ZAPT 2,5/2A BU	blue	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/2A
3796.3	ZAPT 2,5/2A OG	orange	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/2A
3796.1	ZAPT 2,5/2A GN	green	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/2A
3796.9	ZAPT 2,5/2A RD	red	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/2A
3796.8	ZAPT 2,5/2A YE	yellow	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/2A
3797.2	ZAPT 2,5/3A BG	beige	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/3A
3797.5	ZAPT 2,5/3A BU	blue	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/3A
3797.3	ZAPT 2,5/3A OG	orange	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/3A
3797.1	ZAPT 2,5/3A GN	green	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/3A
3797.9	ZAPT 2,5/3A RD	red	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/3A
3797.8	ZAPT 2,5/3A YE	yellow	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/3A
3798.2	ZAPT 2,5/4A BG	beige	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/4A
3798.5	ZAPT 2,5/4A BU	blue	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/4A
3798.3	ZAPT 2,5/4A OG	orange	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/4A
3798.1	ZAPT 2,5/4A GN	green	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/4A
3798.9	ZAPT 2,5/4A RD	red	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/4A
3798.8	ZAPT 2,5/4A YE	yellow	20	1.5 mm	PA 6.6 V0	ZTRK 2,5/4A

Insulated cross-connections SQI (potential distribution)

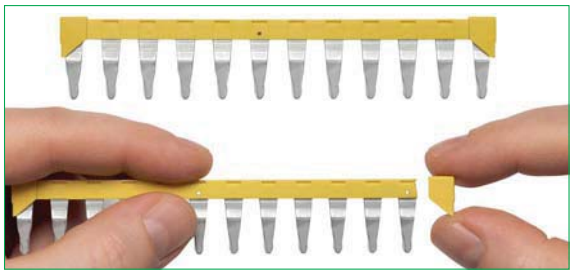
The **SQI** pluggable cross-connection system allows you to save time and money by distributing voltage potentials across terminal blocks of similar or different cross-section ranges. The pluggable design of the **SQI** offers the advantage that it can carry the rated current even while operating at the rated voltage! The **SQI** is constructed to protect against accidental touch. It is available in 2 – 10 poles and in 30 pole versions. Since the standard terminal blocks feature two cross-connection channels, it is possible to connect different voltage potentials in parallel with no loss of poles.



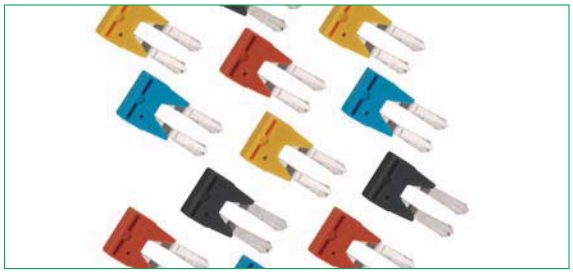
Individual cross-connection contact elements can be taken out of the row in order to skip over feed-through terminals (**SRK**) or PE terminals (**SSL**). This allows two different voltage potentials to be conducted using a single terminal rail configuration. You can mark these broken-off contact elements using the plastic insulation of the cross-connector.



It is possible to shorten the **SQI** cross-connection with a cutting tool. The **SQI** system allows you to maintain touch-protection safety by covering the cut (uninsulated) end with a **SQIK** insulation cap.

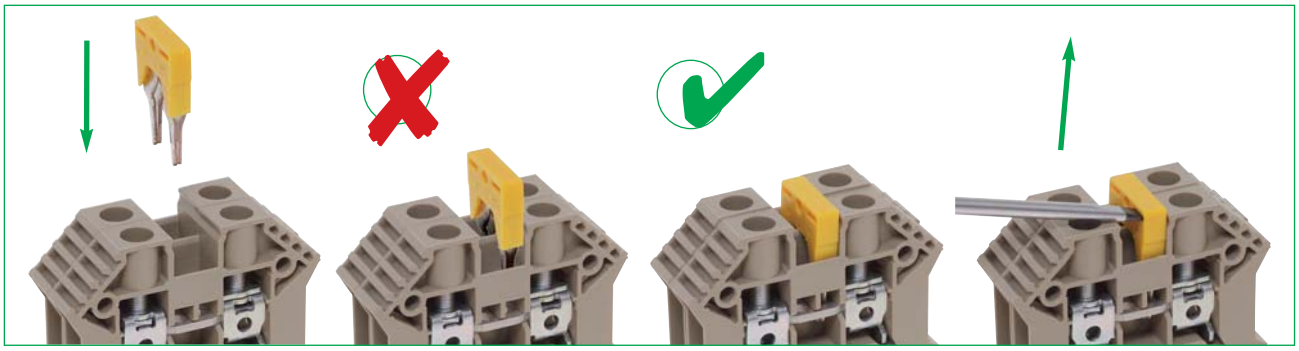


In order to help distinguish between different potentials, other colour variants are available for the **SQI 2,5**, **SQI 4**, **SQI 6** and **SQI 10** cross-connectors.

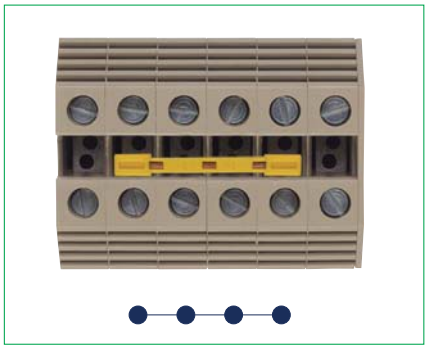


Insulated cross-connections SQI (potential distribution)

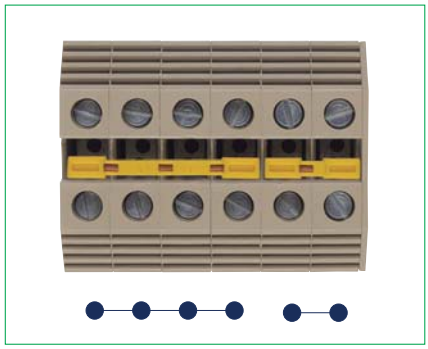
Usage of the SQI



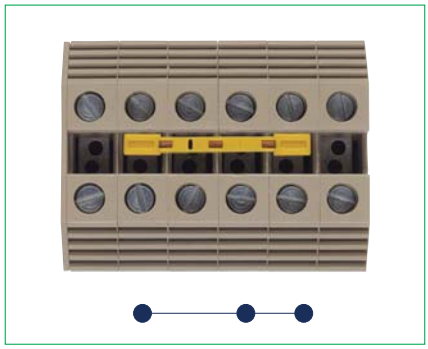
Cross-connection options



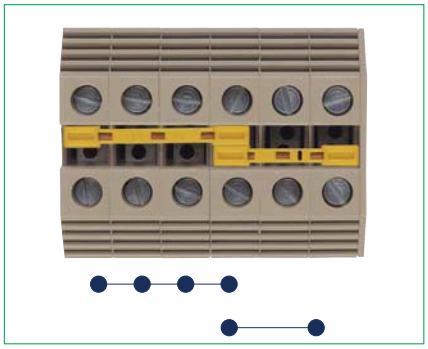
Simple



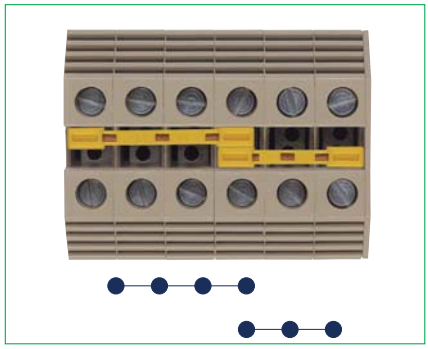
Side-by-side



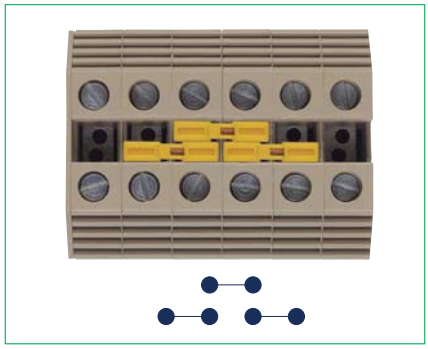
Alternating



Parallel alternating



Parallel extended



Chain linked

Insulated cross-connections SQI (potential distribution)

The 30-pole cross-connector features a numbered scale which allows the user to easily count off or shorten to the number of required poles.

Insulated cross-connections SQI

The **SQI** cross-connections for the screw connection system have a pluggable, insulated design. They can be used to conduct the rated current of the corresponding cross-section range. The terminal block design and the variability of the cross-connector ensure excellent flexibility.

	SQI 2,5...	SQI 4...	SQI 6...
	Cross-connection insulated	Cross-connection insulated	Cross-connection insulated
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour **Cat. no.** 2 poles	SQI 2,5/2 YE **17201.8** 50	SQI 4/2 YE **17211.8** 50	SQI 6/2 YE **17221.8** 50
Type/colour **Cat. no.** 3 poles	SQI 2,5/3 YE **17202.8** 50	SQI 4/3 YE **17212.8** 50	SQI 6/3 YE **17222.8** 50
Type/colour **Cat. no.** 4 poles	SQI 2,5/4 YE **17203.8** 20	SQI 4/4 YE **17213.8** 20	SQI 6/4 YE **17223.8** 20
Type/colour **Cat. no.** 5 poles	SQI 2,5/5 YE **17204.8** 20	SQI 4/5 YE **17214.8** 20	SQI 6/5 YE **17224.8** 20
Type/colour **Cat. no.** 6 poles	SQI 2,5/6 YE **17205.8** 20	SQI 4/6 YE **17215.8** 20	SQI 6/6 YE **17225.8** 20
Type/colour **Cat. no.** 7 poles	SQI 2,5/7 YE **17206.8** 20	SQI 4/7 YE **17216.8** 20	SQI 6/7 YE **17226.8** 20
Type/colour **Cat. no.** 8 poles	SQI 2,5/8 YE **17207.8** 10	SQI 4/8 YE **17217.8** 10	SQI 6/8 YE **17227.8** 10
Type/colour **Cat. no.** 9 poles	SQI 2,5/9 YE **17208.8** 10	SQI 4/9 YE **17218.8** 10	SQI 6/9 YE **17228.8** 10
Type/colour **Cat. no.** 10 poles	SQI 2,5/10 YE **17209.8** 10	SQI 4/10 YE **17219.8** 10	SQI 6/10 YE **17229.8** 10
Type/colour **Cat. no.** 30 poles	SQI 2,5/30 YE **17210.8** 5	SQI 4/30 YE **17220.8** 5	SQI 6/30 YE **17230.8** 5
Colours available	.4 .5 .8 .9	.4 .5 .8 .9	.4 .5 .8 .9
Ratings	**IEC**	**IEC**	**IEC**
Rated current, A | Max. current, A	24 | 32	32 | 41	41 | 57
Max. voltage with partition plate, V	1000	1000	1000
Max. voltage without partition plate, V	1000	1000	1000
Rated impulse voltage, kV | Contamination degree	- |3	- |3	- |3
Pitch, mm	5	6	8

Accessories	**Page**	**Qty.**	**Page**	**Qty.**	**Page**	**Qty.**
Insulation cap for cross-connector	SQIK 2,5-10 YE		SQIK 2,5-10 YE		SQIK 2,5-10 YE	
Cat. no.	**17200.8**	285 20	**17200.8**	285 20	**17200.8**	285 20
For terminal	**Remarks**		**Remarks**		**Remarks**	
	SRK 2,5... SSL 2,5...		SRK 4... SSL 4...		SRK 6... SSL 6...	

SQI 10...

Cross-connection insulated

	Qty.
SQI 10/2 YE	
17231.8	50
SQI 10/3 YE	
17232.8	50
SQI 10/4 YE	
17233.8	20
SQI 10/5 YE	
17234.8	20
SQI 10/6 YE	
17235.8	20
SQI 10/7 YE	
17236.8	20
SQI 10/8 YE	
17237.8	10
SQI 10/9 YE	
17238.8	10
SQI 10/10 YE	
17239.8	10
SQI 10/30 YE	
17240.8	5

.4 .5 .8 .9

IEC
57 | 76
1000
1000
- |3
10

	Page	Qty.
SQIK 2,5-10 YE		
17200.8	285	20

Remarks
SRK 10... SSL 10...

SQIK 2,5-10

Insulation cap for Cross-connectors

	Qty.
SQIK 2,5-10 YE	
17200.8	20

Cross-connector SQI (feeding potentials)

The **SQI** pluggable cross-connection system helps you to save time while distributing potentials over terminal blocks of similar or different cross-sections. The pluggable design of the **SQI** offers the advantage that it can carry the rated current even while operating at the rated voltage! The **SQI** is constructed to protect against accidental touch. It is available in 2 – 10 poles and in 30 pole versions. You can break out individual contact poles (without pole loss) in order to guide different potentials in parallel or to skip over terminal blocks.

Feed-in through	Outlet through	Feed on left start	Feed on right end
SRK 2,5/2A BG (**17100.2**)	SRK 2,5/2A BG (**17100.2**)	SQI 2,5/...	SQI 2,5/...
	SRK 4/2A BG (**17104.2**)	SQI 2,5/2	SQI 2,5/2
		SQI 4/...	SQI 4/...
	SRK 6/2A BG (**17108.2**)	SQI 4/2	SQI 4/2
	SRK 10/2A BG (**17112.2**)	SQI 6/2	SQI 6/2
SRK 4/2A BG (**17104.2**)	SRK 2,5/2A BG (**17100.2**)	SQI 2,5/...	SQI 2,5/...
		SQI 4/2	SQI 4/2
	SRK 4/2A BG (**17104.2**)	SQI 4/...	SQI 4/...
	SRK 6/2A BG (**17108.2**)	SQI 4/2	SQI 4/2
		SQI 6/...	SQI 6/...
	SRK 10/2A BG (**17112.2**)	SQI 6/2	SQI 6/2
SRK 6/2A BG (**17108.2**)	SRK 2,5/2A BG (**17100.2**)	SQI 4/2	SQI 4/2
	SRK 4/2A BG (**17104.2**)	SQI 4/...	SQI 4/...
		SQI 6/2	SQI 6/2
	SRK 6/2A BG (**17108.2**)	SQI 6/...	SQI 6/...
	SRK 10/2A BG (**17112.2**)	SQI 6/2	SQI 6/2
		SQI 10/...	SQI 10/...
SRK 10/2A BG (**17112.2**)	SRK 2,5/2A BG (**17100.2**)	SQI 6/2	SQI 6/2
	SRK 4/2A BG (**17104.2**)	SQI 6/2	SQI 6/2
	SRK 6/2A BG (**17108.2**)	SQI 6/...	SQI 6/...
		SQI 10/2	SQI 10/2
	SRK 10/2A BG (**17112.2**)	SQI 10/...	SQI 10/...

Uninsulated cross-connections Q | Insulated cross-connections QI (potential distribution)

The **Q/QI** screwable cross-connection system allows you to save time while distributing potentials between terminal blocks of the same cross-section range. The **QI** has a touch-safe design and, like the **Q** cross-connection system, is available with 2, 3, 4 or 10 poles. Parallel connections between various potentials, without loss of poles, is possible with the **QI** system in cross-sections ranging from 2.5 mm² to 10 mm².

Skip-over bridging

With the standard terminal blocks, it is possible to skip over terminal blocks by breaking out (**QI**) or unscrewing (**Q**) individual contact poles.

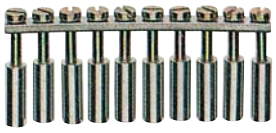
Shortening cross-connections

It is possible to shorten the cross-connections with a cutting tool, but you must then make sure that the cut side is fitted with an end plate so that the voltage rating is maintained.

Q/QI pre-assembled cross-connectors

The pre-assembled cross-connectors feature a cross-connection rail, connecting sleeve and attachment screw already assembled in the appropriate number of poles so that they cannot be lost. During installation, these pre-assembled cross-connectors need only be inserted into the appropriate terminal row. The cross-connection units are available in versions with 2, 3, 4 or 10 poles. Depending on the type of terminal block, we offer either insulated **QI** cross-connectors and/or uninsulated **Q** cross-connectors.

Q

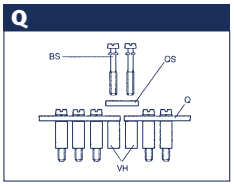


QI

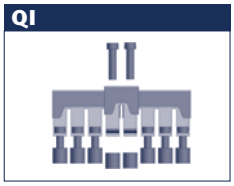
Cross-connecting (with Q/QI) one potential over more than ten terminal blocks.

From the cross-connection, the first or last screw is unscrewed from the **VH**. The **QS 2** or **QI 2** without **VH** is put in and then both screws are screwed back in to the **VH**.

Q



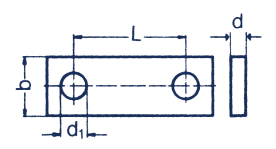
QI



Individual components of cross-connection Q (QS + VH + BS = Q) QS cross-connection rails

Cross-connection rails can be used in order to cross-connect identical potentials across multiple terminal blocks. The cross-connection rails are made of copper or brass. They have a galvanized nickel-plated surface. These cross-connection rails are delivered in 2-pole, 3-pole, 4-pole and 10-pole lengths – corresponding to the width of the terminal. The cross-connection rail is connected electrically using a connecting sleeve with the busbar in the terminal block. We offer cross-connection rails in 0.5 m length to fit with certain terminal blocks. This allows you to put together cross-connections for any number of poles.

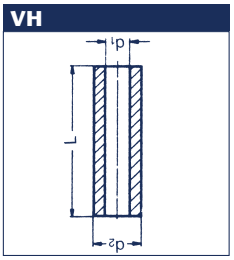
QS



VH connecting sleeves

The **VH**s have a customized length based on the corresponding terminal. They are made from copper or brass. They have a nickel-plated surface. A **VH** must be used for each terminal that is being cross-connected.

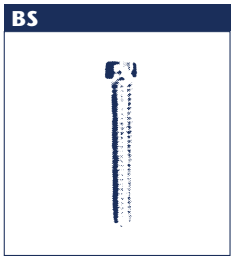
VH



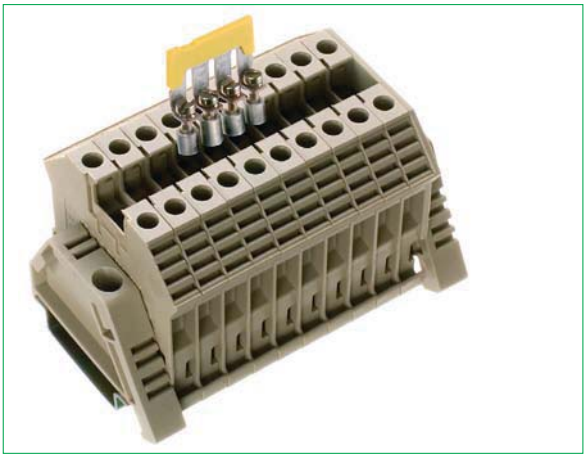
BS mounting screws

A steel screw is used to attach the cross-connection rail with the sleeve (**VH**) to the busbar on the terminal block. The steel screw ensures that the cross-connection unit has a strong mechanical connection to the busbar.

BS



Usage of the QI

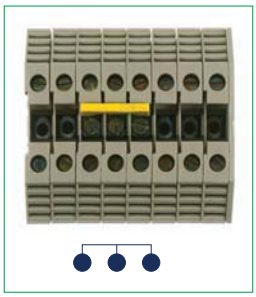


Examples

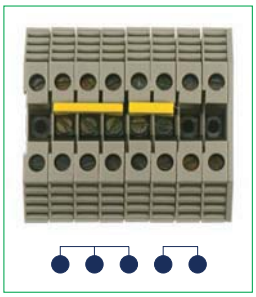
Variability of the screwable cross-connector

Pre-assembled cross-connection units – in 2, 3, 4, 10, or 40-pole versions – significantly reduce the assembly time. There are additional advantages with the **QI** insulated cross-connections when using terminal blocks up to 10 mm². Because of its angled design, two **QI**s can be assembled offset (staggered). Thus it is possible to achieve the parallel guiding of two potentials. Since the **QI** is insulated and touch-safe according to VDE 0106 section 100, it is not necessary to use end plates or partitions between neighbouring cross-connection up to 400 V. The **QI** cross-connections can carry the rated current of the terminal blocks. It is also possible to skip terminals, since the individual contact ridges can be broken off.

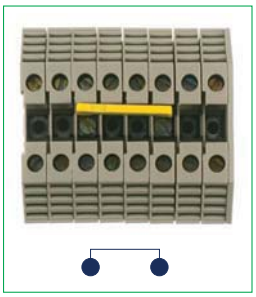
Cross-connection options



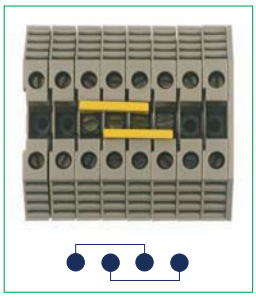
Simple



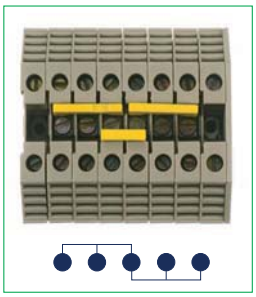
Side-by-side



Alternating



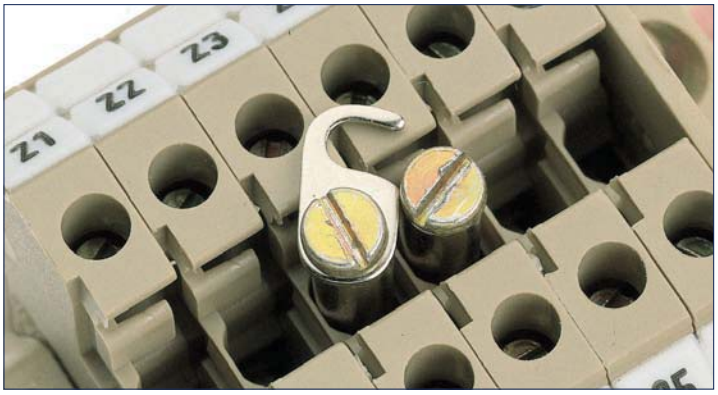
Parallel alternating



Extended

Switchable cross-connections switchable cross-connections are meant for 2-pole cross-connections that are easily separated. A **VH**-type connecting sleeve and a **BS**-type screw are used for installation.

Switchable cross-connection QL 2



Switchable cross-connection QL			Connecting sleeve VH			Mounting screw BS			For terminal
Type	**Cat. no.**	**Qty.**	**Type**	**Cat. no.**	**Qty.**	**Type**	**Cat. no.**	**Qty.**	**Type**
QL 2	**2076.0**	50	VH 16	**2077.0**	100	BS M2,5x20	**2078.0**	100	RK 1,5-4 |RKD 4
QL 2	**2008.0**	50	VH 19	**2009.0**	100	BS M3x25	**2010.0**	100	RK 2,5-4
QL 2	**2053.0**	50	VH 19	**2009.0**	100	BS M3x25	**2010.0**	100	RK 6-10
QL 2	**2106.0**	50	VH 19	**2009.0**	100	BS M3x25	**2010.0**	100	RK 16

Uninsulated cross-connections Q | Insulated cross-connections QI

The **Q/QI** screwable, pre-assembled cross-connection system allows you to save time while distributing potentials between terminal blocks of the same cross-section range.

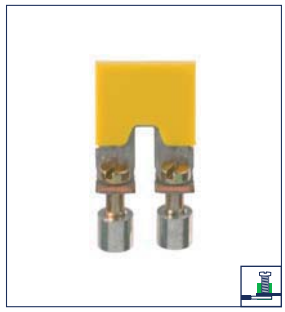
Available with 2, 3, 4, 10, 40, 83 and 100 poles

	Q...(2.5mm²)	Q...(2.5mm²)	Q...(2.5mm²)
	Cross-connection Uninsulated	Cross-connection Uninsulated	Cross-connection Uninsulated
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour 2 poles	Q 2	Q 2	Q 2
Cat. no.	**2832.0** 50	**2422.0** 50	**2567.0** 50
Type/colour 3 poles	Q 3	Q 3	Q 3
Cat. no.	**2833.0** 50	**2423.0** 50	**2568.0** 50
Type/colour 4 poles	Q 4	Q 4	Q 4
Cat. no.	**2834.0** 20	**2424.0** 20	**2569.0** 20
Type/colour 10 poles	Q 10	Q 10	Q 10
Cat. no.	**2835.0** 10	**2425.0** 10	**2570.0** 10
Type/colour 20 poles	Q 20	Q 20	
Cat. no.	**2836.0** 10	**2700.0** 10	
Type/colour Multi-pole	Q 0.5 m/83 poles	Q 0.5 m/100 poles	Q 0.5 m/100 poles
Cat. no.	**2154.0** 1	**2151.0** 1	**2152.0** 1
Ratings	**IEC**	**IEC**	**IEC**
Rated current, A	20	20	20
Max. voltage with partition plate, V	400	400	800
Max. voltage without partition plate, V	400*	400*	400*
Rated impulse voltage, kV | Contamination degree	-|3	-|3	-|3
Pitch, mm	6	5	5
Connection data			
Torque, Nm | Screw	0.4-0.8|M2.5	0.4-0.8|M2.5	0.4-0.8|M2.5
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Screwdriver	SDB 0.6x3.5	SDB 0.6x3.5	SDB 0.6x3.5
Cat. no.	**1086.0** 422 1	**1086.0** 422 1	**1086.0** 422 1
For terminal	**Remarks**	**Remarks**	**Remarks**
	DLI 2,5/... -	SRK 2,5/15 1	RK 2,5 1
	DLIS 2,5/... -	SRK 2,5/ 1	KBL 2,5 1
		IK 2,5 1	
		IKD 2,5 1	
			RKD 2.5... 1
			KBLD 2,5 1
			Reduce the voltage to 400 V when used together with double-level terminals!

All terminals marked with a “1” are, when used with the corresponding cross-connector, totally protected against touch, in accordance with the regulations for accident prevention “Electrical facilities and operating devices” (VBG 4 and VDE 0106 part 100/3.83).

All terminals marked with a “2” should, when used with the corresponding cross-connector, be fitted with a cover (for example, ADQ, EA 1 or similar) in order to ensure total touch-safety protection.

*Partitions or end plates should be used between neighbouring cross-connections.

Q...(4mm²)	Q...(4mm²)	QI...(4mm²)	Q...(10mm²)	QI...(10mm²)
				
Cross-connection Uninsulated	Cross-connection Uninsulated	Cross-connection insulated	Cross-connection Uninsulated	Cross-connection insulated
Qty.	Qty.	Qty.	Qty.	Qty.
Q 2 **2087.0** 50	Q 2 **2019.0** 50	QI 2 YE **2740.2** 50	Q 2 **2060.0** 50	QI 2 YE **2750.2** 50
Q 3 **2088.0** 50	Q 3 **2020.0** 50	QI 3 YE **2741.2** 50	Q 3 **2061.0** 50	QI 3 YE **2751.2** 50
Q 4 **2089.0** 20	Q 4 **2021.0** 20	QI 4 YE **2742.2** 20	Q 4 **2062.0** 20	QI 4 YE **2752.2** 20
Q 10 **2090.0** 10	Q 10 **2022.0** 10	QI 10 YE **2743.2** 10	Q 10 **2063.0** 10	QI 10 YE **2753.2** 10
Q 0.5 m/100 poles **2150.0** 1	Q 0.5 m/83 poles **2153.0** 1	QI 40 YE **2746.2** 1		
IEC	IEC	IEC	IEC	IEC
20	27	32	47	57
800	800	800	800	800
400*	400*	400	400*	400
-|3	-|3	-|3	-|3	-|3
6	6	6	8	8
0.4-0.8|M2.5	0.5-1.0|M3	0.5-1.0|M3	0.5-1.0|M3	0.5-1.0|M3
Page Qty.	Page Qty.	Page Qty.	Page Qty.	Page Qty.
SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1	SDB 0.6x3.5 **1086.0** 422 1
Remarks	Remarks	Remarks	Remarks	Remarks
RK 1,5-4/15 1	RK 2,5-4 2	RK 2,5-4 1	RK 6-10 2	RK 6-10 1
RK 1,5/4 1	RK 2,5-4 ZR 2	RK 2,5-4 ZR 1	KBL 6-10 2	KBL 6-10 1
KBL 1,5-4/15 1	RK 2,5-4 ZRL 2	RK 2,5-4 ZRL 1		
KBL 1,5-4 1	KBL 2,5-4 2	KBL 2,5-4 1		
	FF 2.5 2	FF 2.5 1		
RKD 4... 1	SF2,5 2	SF2,5 1		
RKDG 4 1				
Reduce the voltage to 400 V when used together with double-level terminals!				

All terminals marked with a “1” are, when used with the corresponding cross-connector, totally protected against touch, in accordance with the regulations for accident prevention “Electrical facilities and operating devices” (VBG 4 and VDE 0106 part 100/3.83).

All terminals marked with a “2” should, when used with the corresponding cross-connector, be fitted with a cover (for example, ADQ, EA 1 or similar) in order to ensure total touch-safety protection.

*Partitions or end plates should be used between neighbouring cross-connections.

Uninsulated cross-connections Q | Switchable cross-connections QL

The **Q/QI** screwable, pre-assembled cross-connection system allows you to save time while distributing potentials between terminal blocks of the same cross-section range.

Available with 2, 3, 4, and 10 poles.

	Q...(16 mm²)	Q...(16 mm²)	Q...(35 mm²)
	Cross-connection Uninsulated	Cross-connection Uninsulated	Cross-connection Uninsulated
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour 2 poles	Q 2	Q 2	Q 2
Cat. no.	**2112.0** 20	**2257.0** 20	**2164.0** 20
Type/colour 3 poles	Q 3	Q 3	Q 3
Cat. no.	**2113.0** 20	**2258.0** 20	**2165.0** 20
Type/colour 4 poles	Q 4	Q 4	Q 4
Cat. no.	**2114.0** 10	**2265.0** 10	**2166.0** 10
Type/colour 10 poles	Q 10	Q 10	Q 10
Cat. no.	**2115.0** 10	**2266.0** 10	**2167.0** 10
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Ratings	**IEC**	**IEC**	**IEC**
Rated current, A	47	47	65
Max. voltage with partition plate, V	800	800	800
Max. voltage without partition plate, V	400*	400*	400*
Rated impulse voltage, kV | Contamination degree	-|3	-|3	-|3
Pitch, mm	12	12	16
Connection data			
Torque, Nm | Screw	0.5-1.0|M3	0.5-1.0|M3	1.2-2.0|M4
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Screwdriver	SDB 0.6x3.5	SDB 0.6x3.5	SDB 0,8x4,0
Cat. no.	**1086.0** 422 1	**1086.0** 422 1	**1087.0** 422 1
For terminal	**Remarks**	**Remarks**	**Remarks**
	RK 16 1	RK 16/35 N 1	RK 35 1 RK 35/35 N 2

All terminals marked with a “1” are, when used with the corresponding cross-connector, totally protected against touch, in accordance with the regulations for accident prevention “Electrical facilities and operating devices” (VBG 4 and VDE 0106 part 100/3.83).

All terminals marked with a “2” should, when used with the corresponding cross-connector, be fitted with a cover (for example, ADQ, EA 1 or similar) in order to ensure total touch-safety protection.

*Partitions or end plates should be used between neighbouring cross-connections.

QL 2	QL 2	QL 2	QL 2	QL 2
Switchable cross-connection	Switchable cross-connection	Switchable cross-connection	Switchable cross-connection	Switchable cross-connection
Qty.	**Qty.**	**Qty.**	**Qty.**	**Qty.**
QL 2	QL 2	QL 2	QL 2	QL 2
2076.0 50	**2008.0** 50	**2053.0** 50	**2106.0** 50	**2306.0** 50
When combined with:	**When combined with:**	**When combined with:**	**When combined with:**	**When combined with:**
Connecting sleeve VH	Connecting sleeve VH	Connecting sleeve VH	Connecting sleeve VH	Connecting sleeve VH
VH 16	VH 19	VH 19	VH 19	VH 17
2077.0 100	**2009.0** 100	**2009.0** 100	**2009.0** 100	**2122.0** 50
and	**and**	**and**	**and**	**and**
Mounting screw BS	Mounting screw BS	Mounting screw BS	Mounting screw BS	Mounting screw BS
BS M 2,5x20	BS M 3x25	BS M 3x25	BS M 3x25	BS M 4x30
2078.0 100	**2010.0** 100	**2010.0** 100	**2010.0** 100	**2123.0** 50
IEC	**IEC**	**IEC**	**IEC**	**IEC**
24	24	32	41	57
-	-	-	-	-
-	-	-	-	-
-|3	-|3	-|3	-|3	-|3
6	6	8	12	16
0.4-0.8|M2.5	0.5-1.0|M3	0.5-1.0|M3	0.5-1.0|M3	1,2-2,0|M4
Page Qty.	**Page Qty.**	**Page Qty.**	**Page Qty.**	**Page Qty.**
SDB 0.6x3.5	SDB 0.6x3.5	SDB 0.6x3.5	SDB 0.6x3.5	SDB 0.6x3.5
1086.0 422 1	**1086.0** 422 1	**1086.0** 422 1	**1086.0** 422 1	**1086.0** 422 1
Remarks	**Remarks**	**Remarks**	**Remarks**	**Remarks**
RK 1,5 - 4 No touch-safety protection! RKD 4 No touch-safety protection!	RK 2,5 - 4 No touch-safety protection!	RK 6 - 10 No touch-safety protection!	RK 16 No touch-safety protection!	RK 35 No touch-safety protection!

Switchable cross-connections are meant for 2-pole cross-connections that are easily separated. A **VH**-type connecting sleeve and a **BS**-type screw are used for installation.

External insulated cross-connection AQI

External cross-connector AQI	AQI.../5/11	AQI.../5/15	AQI.../6/11
External cross-connection bridges make it possible to branch off the current for terminals, which are not available in the middle of the terminal, via a cross-connection channel. When external cross-connections are used, the rated cross-section is reduced to the next smallest wire size.			
	External cross-connection insulated	External cross-connection insulated	External cross-connection insulated
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour 2 poles	AQI 2/5/11 YE	AQI 2/8/11 YE	AQI 2/6/11 YE
Cat. no.	**2032.0** 50	**2023.0** 50	**2125.0** 50
Type/colour 3 poles	AQI 3/5/11 YE	AQI 3/5/15 YE	AQI 3/6/11 YE
Cat. no.	**2033.0** 50	**2024.0** 50	**2126.0** 50
Type/colour 4 poles	AQI 4/5/11 YE	AQI 4/5/15 YE	AQI 4/6/11 YE
Cat. no.	**2044.0** 10	**2028.0** 10	**2140.0** 10
Type/colour 10 poles	AQI 10/6/11 YE	AQI 10/5/15 YE	AQI 10/6/11 YE
Cat. no.	**2045.0** 10	**2029.0** 10	**2141.0** 10
Type/colour			
Cat. no.			
Type/colour Multi-pole	AQI 95/5/11 YE	AQI 95/5/15 YE	AQI 75/6/11 YE
Cat. no.	**2107.0** 10	**2030.0** 10	**2481.0** 10
Ratings	**IEC**	**IEC**	**IEC**
Rated current, A	27	27	27
Max. voltage with partition plate, V	-	-	-
Max. voltage without partition plate, V	-	-	-
Rated impulse voltage, kV | Contamination degree	-|3	-|3	-|3
Pitch, mm	5	5	6
Connection data			
Torque, Nm | Screw	-|-	-|-	-|-
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Type			
Cat. no.			
For terminal	**Remarks**	**Remarks**	**Remarks**
	SRK 2,5/15 1 SRK 2,5	RK 2,5 1 RK 2,5/35/N/2Q	RK 1,5-4/15 1 RK 1,5-4 2
	RKD 2,5 IK 2,5	ZSRK 2,5... ZRK 2,5...	RKB 4 RKD 4
	IKD 2,5 BKA 2,5	ZRKD 2,5... ZIKD 2,5...	BKA 4 VMAK 2,5
		ZTRK 2,5 ZIZA 1,5 SRK 2,5/2A	

AQI.../6/17	AQI.../8/11	AQI.../8/18	AQI.../10/18	AQI.../50
External cross-connection insulated	External cross-connection insulated	External cross-connection insulated	External cross-connection insulated	External cross-connection insulated
Qty.	Qty.	Qty.	Qty.	Qty.
AQI 4/6/11 YE **2064.0** 50	AQI 2/8/11 YE **2067.0** 50	AQI 2/8/18 YE **3440.8** 50	AQI 2/8/18 YE **3991.8** 50	AQI 2/50 YE **2763.2** 5
AQI 3/6/17 YE **2065.0** 50	AQI 3/8/11 YE **2068.0** 50	AQI 3/8/18 YE **3441.8** 50	AQI 3/10/18 YE **3992.8** 50	AQI 3/50 YE **2764.2** 5
AQI 4/6/17 YE **2066.0** 10	AQI 4/8/11 YE **2069.0** 50	AQI 4/8/18 YE **3442.8** 50	AQI 4/10/18 YE **3993.8** 50	
AQI 10/6/17 YE **2143.0** 10		AQI 10/8/18 YE **3443.8** 10	AQI 10/10/18 YE **3994.8** 10	
AQI 10/6/11 YE **2480.0** 10		AQI 60/8/18 YE **3444.8** 1	AQI 50/10/18 YE **3995.8** 1	
IEC	IEC	IEC	IEC	IEC
27	27	57	57	150
-	-	-	-	1000
-	-	-	-	1000
-|3	-|3	-|3	-|3	-|3
6	8	8	10	20
-|-	-|-	-|-	-|-	-|-
Page Qty.	Page Qty.	Page Qty.	Page Qty.	Page Qty.
Remarks	Remarks	Remarks	Remarks	Remarks
RK 2,5-4 RK 2,5-4 ZR RK 2,5-4 ZRL TRK 1,5 SRK 4/2A	BKA 10 SRK 10/2A STK 1 STK 2 STKD 1	RK 6-10 KBL 6-10 SIK 10 PTK SRK 6/2A	SIK 10 Z SRK 10/2A	RK 50

External insulated cross-connection AQI

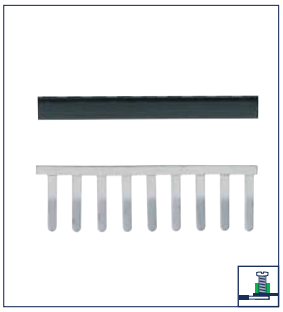
External cross-connection AQI	AQI.../95	AQI.../150	AQI.../240
External cross-connection bridges make it possible to branch off the current for terminals which are not available in the middle of the terminal via a cross-connection channel. When external cross-connections are used, the rated cross-section is reduced to the next smallest wire size.			
	External cross-connection insulated	External cross-connection insulated	External cross-connection insulated
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour 2 poles **Cat. no.**	AQI 2/95 YE **2765.2** 5	AQI 2/150 YE **2767.2** 5	AQI 2/240 YE **2769.2** 5
Type/colour 3 poles **Cat. no.**	AQI 3/95 YE **2766.2** 5	AQI 3/150 YE **2768.2** 5	AQI 3/240 YE **2770.2** 5
Type/colour 4 poles **Cat. no.**			
Type/colour 10 poles **Cat. no.**			
Type/colour 20 poles **Cat. no.**			
Type/colour Multi-pole **Cat. no.**			
Type/colour Uninsulated straight **Cat. no.**			
Type/colour Uninsulated angled **Cat. no.**			
Type/colour Insulation section **Cat. no.**			
Type/colour **Cat. no.**			
Ratings	**IEC**	**IEC**	**IEC**
Rated current, A	232	309	380
Max. voltage with partition plate, V	1000	1000	1000
Max. voltage without partition plate, V	1000	1000	1000
Rated impulse voltage, kV | Contamination degree	|3	|3	|3
Pitch, mm	25	31	36
Connection data			
Torque, Nm | Screw	-|-	-|-	-|-
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Type **Cat. no.**			
For terminal	**Remarks**	**Remarks**	**Remarks**
	RK 95	RK 150	RK 240

Uninsulated external cross-connection AQ | Bridgeable PEN power feed blocks

External cross-connection AQ

External cross-connection make it possible to branch off the current for terminals which are not available in the middle of the terminal via a cross-connection channel. The **AQ 58** type is delivered as a 58-pole version. Its contact elements can easily be broken out by hand. The attachable insulation section IP is available for the **AQ 58**. When external cross-connections are used, the rated cross-section is reduced to the next smallest wire size.

AQ



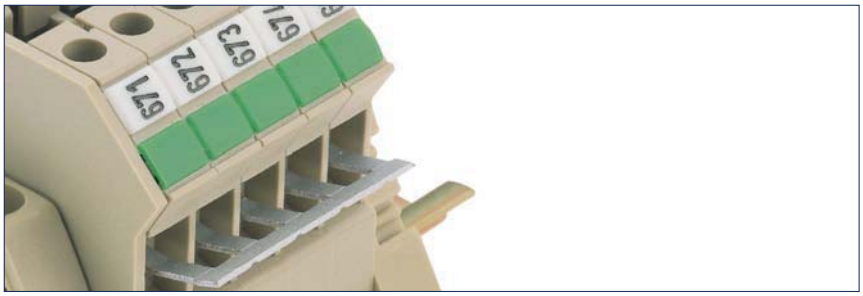
Bridgeable PEN power feed blocks

When five-wire power supplies are connected to a mains supply, then a conductive connection must be established between the **SL** PE terminal and the **N** neutral terminal.

The **AQV 2 PEN** external cross-connector fulfils this requirement.

AQV

	External cross-connection Uninsulated		Jumper PEN
Type	**Qty.**		**Qty.**
Type/colour			AQV 2 PE/N 10
Cat. no.			**2181.0** 10
Type/colour			
Cat. no.			
Type/colour			AQV 2 PE/N 16
Cat. no.			**2182.0** 10
Type/colour			
Cat. no.			
Type/colour			AQV 2 PE/N 35
Cat. no.			**2183.0** 10
Type/colour			
Cat. no.			
Type/colour	AQ 58 straight		
Cat. no.	**2477.0** 10		
Type/colour	AQ 58 angled		
Cat. no.	2478.0 10		
Type/colour			
Cat. no.			
Type/colour	IP 58		
Cat. no.	**2479** 10		
Ratings	**IEC**		**IEC**
Rated current, A	24		-
Max. voltage with partition plate, V			-
Max. voltage without partition plate, V			-
Rated impulse voltage, kV | Contamination degree			-
Pitch, mm	8		8,12,16
Connection data			
Torque, Nm | Screw	-|-		-|-
Accessories	**Page Qty.**		**Page Qty.**
Type			
Cat. no.			
For terminal	**Remarks**		**Remarks**
	Straight version		
	RK 6-10 KBL 6-10		AQV 2 PE/N 10 for terminals SL 10/35 and RK 6-10 BU
	Angled version		
	SIK 10 PTK		AQV 2 PE/N 16 for terminals SL 16/35 and RK 16 BU
			AQV 2 PE/N 35 for terminals SL 35/35 and RK 35 BU

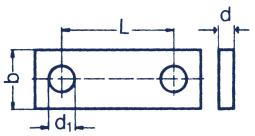


Uninsulated cross-connections Q

Screw connection system

Cross-connections Q / self-assembly

Cross-connections Q

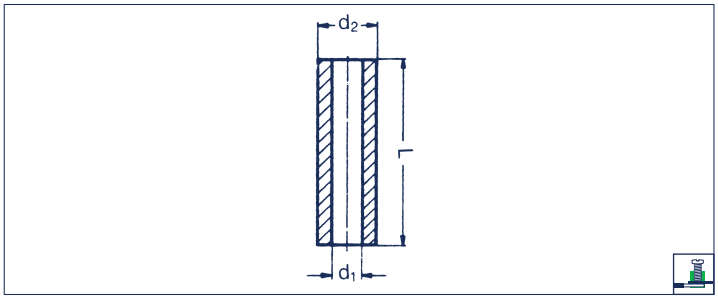


TYPE	For terminal DLI 2,5 | DLIS 2,5	Cat. no.	Cross-section	TYPE	Cat. no.	Qty.	Dimensions, mm b	d	L	d1	Required amount
Q 2		**2832.0**	2.5 mm²	QS 2	**2081.0**	100	4,2	1	6	2.7	1
Q 3		**2833.0**	2.5 mm²	QS 3	**2082.0**	100	4,2	1	6	2.7	1
Q 4		**2834.0**	2.5 mm²	QS 4	**2083.0**	50	4,2	1	6	2.7	1
Q 10		**2835.0**	2.5 mm²	QS 10	**2084.0**	10	4,2	1	6	2.7	1
Q 20		**2836.0**	2.5 mm²	QS 20	**2588.0**	10	4,2	1	6	2.7	1
Q 0.5 m/83 poles		**2154.0**	2.5 mm²	QS 0.5 m	**2386.0**	1	4,2	1	6	2.7	1
	SRK 2,5 | IK 2,5 | IKD 2,5										
Q 2		**2422.0**	2.5 mm²	QS 2	**2417.0**	100	4,2	1	5	2.7	1
Q 3		**2423.0**	2.5 mm²	QS 3	**2418.0**	100	4,2	1	5	2.7	1
Q 4		**2424.0**	2.5 mm²	QS 4	**2419.0**	50	4,2	1	5	2.7	1
Q 10		**2425.0**	2.5 mm²	QS 10	**2420.0**	10	4,2	1	5	2.7	1
Q 20		**2700.0**	2.5 mm²	QS 20	**2587.0**	10	4,2	1	5	2.7	1
Q 0.5 m/100 poles		**2151.0**	2.5 mm²	QS 0.5 m	**2519.0**	1	4,2	1	5	2.7	1
	RK 2,5 | RKD 2,5										
Q 2		**2567.0**	2.5 mm²	QS 2	**2417.0**	100	4,2	1	5	2.7	1
Q 3		**2568.0**	2.5 mm²	QS 3	**2418.0**	100	4,2	1	5	2.7	1
Q 4		**2569.0**	2.5 mm²	QS 4	**2419.0**	50	4,2	1	5	2.7	1
Q 10		**2570.0**	2.5 mm²	QS 10	**2420.0**	10	4,2	1	5	2.7	1
Q 0.5 m/100 poles		**2152.0**	2.5 mm²	QS 0.5 m	**2519.0**	1	4,2	1	5	2.7	1
	RK 1,5-4 | RKD 4										
Q 2		**2087.0**	4 mm²	QS 2	**2081.0**	100	4,2	1	6	2.7	1
Q 3		**2088.0**	4 mm²	QS 3	**2082.0**	100	4,2	1	6	2.7	1
Q 4		**2089.0**	4 mm²	QS 4	**2083.0**	50	4,2	1	6	2.7	1
Q 10		**2090.0**	4 mm²	QS 10	**2084.0**	10	4,2	1	6	2.7	1
Q 0.5 m/83 poles		**2150.0**	4 mm²	QS 0.5 m	**2386.0**	1	4,2	1	6	2.7	1
	RK 2,5-4										
Q 2		**2019.0**	4 mm²	QS 2	**2013.0**	100	6	2	6	3.4	1
Q 3		**2020.0**	4 mm²	QS 3	**2014.0**	100	6	2	6	3.4	1
Q 4		**2021.0**	4 mm²	QS 4	**2015.0**	50	6	2	6	3.4	1
Q 10		**2022.0**	4 mm²	QS 10	**2016.0**	10	6	2	6	3.4	1
Q 0.5 m/83 poles		**2153.0**	4 mm²	QS 0.5 m	**2387.0**	1	6	2	6	3.4	1
	RK 6-10										
Q 2		**2060.0**	10 mm²	QS 2	**2055.0**	100	6	2	8	3.4	1
Q 3		**2061.0**	10 mm²	QS 3	**2056.0**	100	6	2	8	3.4	1
Q 4		**2062.0**	10 mm²	QS 4	**2057.0**	50	6	2	8	3.4	1
Q 10		**2063.0**	10 mm²	QS 10	**2058.0**	10	6	2	8	3.4	1
	RK 16										
Q 2		**2112.0**	16 mm²	QS 2	**2108.0**	100	6	2	12	3.4	1
Q 3		**2113.0**	16 mm²	QS 3	**2109.0**	100	6	2	12	3.4	1
Q 4		**2114.0**	16 mm²	QS 4	**2110.0**	50	6	2	12	3.4	1
Q 10		**2115.0**	16 mm²	QS 10	**2111.0**	10	6	2	12	3.4	1
	RK 16 N										
Q 2		**2257.0**	16 mm²	QS 2	**2108.0**	100	6	2	12	3.4	1
Q 3		**2258.0**	16 mm²	QS 3	**2109.0**	100	6	2	12	3.4	1
Q 4		**2265.0**	16 mm²	QS 4	**2110.0**	50	6	2	12	3.4	1
Q 10		**2266.0**	16 mm²	QS 10	**2111.0**	10	6	2	12	3.4	1
	RK 35										
Q 2		**2164.0**	35 mm²	QS 2	**2118.0**	100	8	3	16	4.5	1
Q 3		**2165.0**	35 mm²	QS 3	**2119.0**	100	8	3	16	4.5	1
Q 4		**2166.0**	35 mm²	QS 4	**2120.0**	50	8	3	16	4.5	1
Q 10		**2167.0**	35 mm²	QS 10	**2121.0**	10	8	3	16	4.5	1
Q 2 for SK 1/35	Caution: It is not possible to construct pre-assembled cross-connection units.			QS 2	**2366.0**	100	6	2	12	3.4	1
Q 3 for SK 1/35				QS 3	**2367.0**	100	6	2	12	3.4	1
Q 4 for SK 1/35				QS 4	**2368.0**	50	6	2	12	3.4	1
Q 10 for SK 1/35				QS 10	**2369.0**	10	6	2	12	3.4	1

Specific accessories, screw connection system

*Cross-connections **Q** (potential distribution)*

Connecting sleeve VH



TYPE	Cat. no.	Qty.	Required amount	Dimensions, mm L	d2	d1
VH 5	**2327.0**	100	2	5	4	2.8
VH 5	**2327.0**	100	3	5	4	2.8
VH 5	**2327.0**	100	4	5	4	2.8
VH 5	**2327.0**	100	10	5	4	2.8
VH 5	**2327.0**	100	20	5	4	2.8
VH 5	**2327.0**	100	100	5	4	2.8
VH 5	**2327.0**	100	2	5	4	2.8
VH 5	**2327.0**	100	3	5	4	2.8
VH 5	**2327.0**	100	4	5	4	2.8
VH 5	**2327.0**	100	10	5	4	2.8
VH 5	**2327.0**	100	20	5	4	2.8
VH 5	**2327.0**	100	100	5	4	2.8
VH 8,5	**2085.0**	100	2	8,5	4	2.8
VH 8,5	**2085.0**	100	3	8,5	4	2.8
VH 8,5	**2085.0**	100	4	8,5	4	2.8
VH 8,5	**2085.0**	100	10	8,5	4	2.8
VH 8,5	**2085.0**	100	100	8,5	4	2.8
VH 8,5	**2085.0**	100	2	8,5	4	2.8
VH 8,5	**2085.0**	100	3	8,5	4	2.8
VH 8,5	**2085.0**	100	4	8,5	4	2.8
VH 8,5	**2085.0**	100	10	8,5	4	2.8
VH 8,5	**2085.0**	100	83	8,5	4	2.8
VH 13.5	**2017.0**	100	2	13,5	5	3.5
VH 13.5	**2017.0**	100	3	13,5	5	3.5
VH 13.5	**2017.0**	100	4	13,5	5	3.5
VH 13.5	**2017.0**	100	10	13,5	5	3.5
VH 13.5	**2017.0**	100	83	13,5	5	3.5
VH 12	**2059.0**	100	2	12	5	3.5
VH 12	**2059.0**	100	3	12	5	3.5
VH 12	**2059.0**	100	4	12	5	3.5
VH 12	**2059.0**	100	10	12	5	3.5
VH 12	**2059.0**	100	2	12	5	3.5
VH 12	**2059.0**	100	3	12	5	3.5
VH 12	**2059.0**	100	4	12	5	3.5
VH 12	**2059.0**	100	10	12	5	3.5
VH 8	**2283.0**	100	2	8	4,9	3.5
VH 8	**2283.0**	100	3	8	4,9	3.5
VH 8	**2283.0**	100	4	8	4,9	3.5
VH 8	**2283.0**	100	10	8	4,9	3.5
VH 17	**2122.0**	50	2	17	8	5
VH 17	**2122.0**	50	3	17	8	5
VH 17	**2122.0**	50	4	17	8	5
VH 17	**2122.0**	50	10	17	8	5
-	**-**	-	-	-	-	-
-	**-**	-	-	-	-	-
-	**-**	-	-	-	-	-
-	**-**	-	-	-	-	-

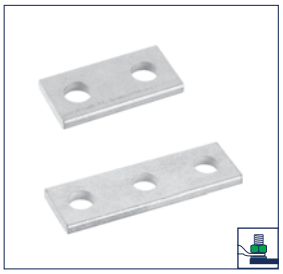
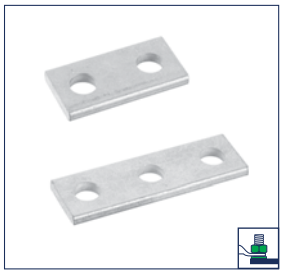
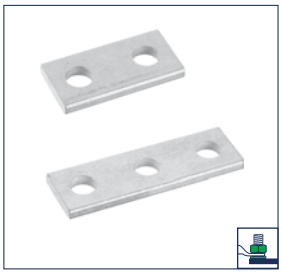
Mounting screw BS / SS

Type	Cat. no.	Qty.	Dimensions	Required amount
BS M2,5x10	**2326.0**	100	M2.5x10	2
BS M2,5x10	**2326.0**	100	M2.5x10	3
BS M2,5x10	**2326.0**	100	M2.5x10	4
BS M2,5x10	**2326.0**	100	M2.5x10	10
BS M2,5x10	**2326.0**	100	M2.5x10	20
BS M2,5x10	**2326.0**	100	M2.5x10	100
BS M2,5x10	**2326.0**	100	M2.5x10	2
BS M2,5x10	**2326.0**	100	M2.5x10	3
BS M2,5x10	**2326.0**	100	M2.5x10	4
BS M2,5x10	**2326.0**	100	M2.5x10	10
BS M2,5x10	**2326.0**	100	M2.5x10	20
BS M2,5x10	**2326.0**	100	M2.5x10	100
BS M2,5x14	**2086.0**	100	M2.5x14	2
BS M2,5x14	**2086.0**	100	M2.5x14	3
BS M2,5x14	**2086.0**	100	M2.5x14	4
BS M2,5x14	**2086.0**	100	M2.5x14	10
BS M2,5x14	**2086.0**	100	M2.5x14	100
BS M2,5x14	**2086.0**	100	M2.5x14	2
BS M2,5x14	**2086.0**	100	M2.5x14	3
BS M2,5x14	**2086.0**	100	M2.5x14	4
BS M2,5x14	**2086.0**	100	M2.5x14	10
BS M2,5x14	**2086.0**	100	M2.5x14	83
BS M3x20	**2018.0**	100	M3x20	2
BS M3x20	**2018.0**	100	M3x20	3
BS M3x20	**2018.0**	100	M3x20	4
BS M3x20	**2018.0**	100	M3x20	10
BS M3x20	**2018.0**	100	M3x20	83
BS M3x20	**2018.0**	100	M3x20	2
BS M3x20	**2018.0**	100	M3x20	3
BS M3x20	**2018.0**	100	M3x20	4
BS M3x20	**2018.0**	100	M3x20	10
BS M3x20	**2018.0**	100	M3x20	2
BS M3x20	**2018.0**	100	M3x20	3
BS M3x20	**2018.0**	100	M3x20	4
BS M3x20	**2018.0**	100	M3x20	10
BS M3x15 w. SS	**2284.0**	100	M3x15	2
BS M3x15 w. SS	**2284.0**	100	M3x15	3
BS M3x15 w. SS	**2284.0**	100	M3x15	4
BS M3x15 w. SS	**2284.0**	100	M3x15	10
BS M4x30 | SS M4	**2123.0** | **2124.0**	50|50	M4x30 | M4	2 each
BS M4x30 | SS M4	**2123.0** | **2124.0**	50|50	M4x30 | M4	3 each
BS M4x30 | SS M4	**2123.0** | **2124.0**	50|50	M4x30 | M4	4 each
BS M4x30 | SS M4	**2123.0** | **2124.0**	50|50	M4x30 | M4	10 each
BS M3x6	**2365.0**	100	M3x6	2
BS M3x6	**2365.0**	100	M3x6	3
BS M3x6	**2365.0**	100	M3x6	4
BS M3x6	**2365.0**	100	M3x6	10

Cross-connection rails QS for stud terminals HSK

With neighbouring stud terminals, it is possible to implement potential distribution over a two- or three-pole cross-connection. The corresponding windows on the **TW** partition must be slotted out first, in order to mount the cross-connections.

Features:
· 2 - and 3-pole versions
· Potential distribution between different sizes is also possible
· Designed for the rated current of the corresponding stud terminal
· Clearly saves time with quick potential distribution

	QS../16	QS../35	QS../50
			
	Cross-connection rail	Cross-connection rail	Cross-connection rail
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	QS 2/16	QS 2/35	QS 2/50
Cat. no. 2 poles	**17008.0** 1	**17010.0** 1	**17012.0** 1
Type/colour	QS 3/16	QS 3/35	QS 3/50
Cat. no. 3 poles	**17009.0** 1	**17011.0** 1	**17013.0** 1
Colours available			
Ratings			
Rated current, A	76	125	150
Max. voltage, V	1000	1000	1000
Hole size, mm	5.2	6.2	8.2
Pitch, mm	15	18	23
Accessories	**Page Qty**	**Page Qty**	**Page Qty**
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
For terminal			
	HSK 16/M5 B	HSK 35/M6 B HSK 35/M6 B/B	HSK 50/M8 B HSK 50/M8 B/B

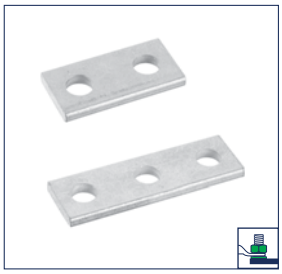
QS cross-connection rail

With neighbouring stud terminals, it is possible to implement potential distribution over two-pole **QS** cross-connection rails. The cross-connections are each designed for the rated current of the terminal. They are simply placed together with the cable lug over the stud. When using the cross-connection rails, do not use the partitions between the individual terminals. A cover over the terminals is not possible here.

Features:
· 2-pole version
· Designed for the rated current of the corresponding stud terminal
· Clearly saves time with quick potential distribution

	QS 2		QS 2
	Cross-connection rail	Cross-connection rail	Cross-connection rail
Type	**Qty.**	**Qty.**	**Qty.**
Cat. no.	QS 2	QS 2	QS 2
Type/colour 2 poles	**2410.0** 1	**2411.0** 1	**2412.0** 1
Cat. no.			
Colours available 3 poles			
Ratings			
Max. voltage, V	76	192	232
Hole size, mm	1000	1000	1000
Pitch, mm	8.2	10.2	12.6
	15	40	40
	Page Qty.	**Page Qty.**	**Page Qty.**
Cat. no.			
Type/colour			
Cat. no.			
For terminal			
	HSK 70/B HSK 70 B/B	HSK 95 B HSK 95 B/B	HSK 150 B HSK 150 B/B

QS../120



Cross-connection rail

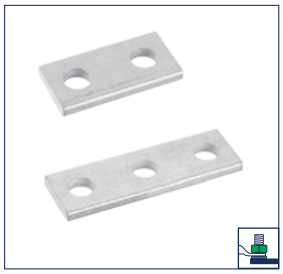
Qty.
QS 2/120/10
17014.0 1
QS 3/120/10
17015.0 1

269
1000
10.2
34

Page	Qty.

HSK 120/M10 B
HSK 120/M10 B/B

QS../120



Cross-connection rail

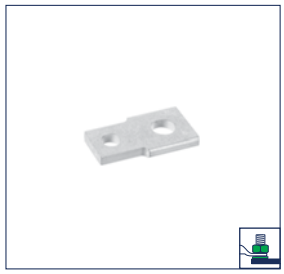
Qty.
QS 2/120/12
17016.0 1
QS 3/120/12
17017.0 1

269
1000
12.2
34

Page	Qty.

HSK 120/M12 B
HSK 120/M12 B/B

QS 2 HSK 35/M6 - M8



Cross-connection rail
M6 to M8

Qty.
QS 2 HSK 35/M6 - M8
17028.2 1

150
1000
1 x 6.2 - 1 x 8.2
-

Page	Qty.

HSK 35/M6 B
HSK 35/M6 B/B

QS 3 HSK 35/M6 - M10/2

Cross-connection rail
M6 to M10

Qty.
QS 3 HSK 35/M6 - M10/2
17029.2 1

269
1000
1 x 6.2 - 2 x 10.2
-

Page	Qty.

HSK 35/M6 B
HSK 35/M6 B/B

QS 2

Cross-connection rail

Qty.
QS 2
2413.0 1

309
1000
16.2
50

Page	Qty.

HSK 240 B
HSK 240 B/B

Insulated cross-connections FQI (potential distribution)

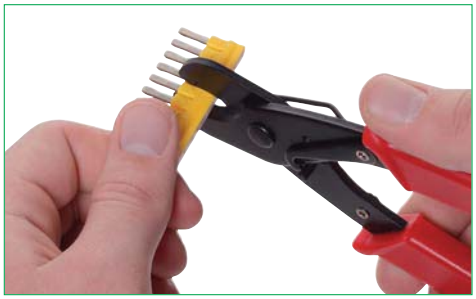
The **FQI** pluggable cross-connection system helps you to save time while distributing potentials over terminal blocks of similar or different cross-sections. The pluggable design of the **FQI** offers the advantage that it can carry the rated current even while operating at the rated voltage of 800 V! The **FQI** is constructed to protect against accidental touch. It is available in 2 – 10 poles.

Parallel connections between various potentials, without loss of poles, is possible in the 1.5 mm², 2.5 mm² and 4 mm² cross-section ranges.

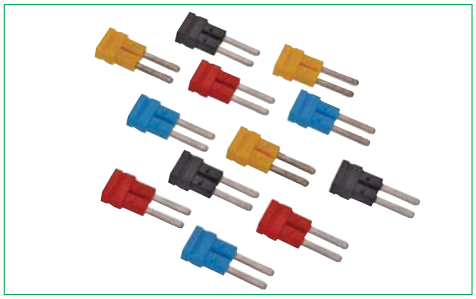
With the standard terminal blocks, it is possible to skip over terminal blocks by breaking out individual contact poles.

The disconnected contact elements can be labelled by using the plastic insulation from the cross-connection.

It is possible to shorten the cross-connection with a cutting tool, but you must then make sure that the cut side is fitted with an end plate so that the voltage rating is maintained. For standard terminal blocks in the cross-sections 1.5 mm² 2.5 mm² and 4 mm², it is adequate to attach the **FQI**s in an offset position (two cross-connection channels).

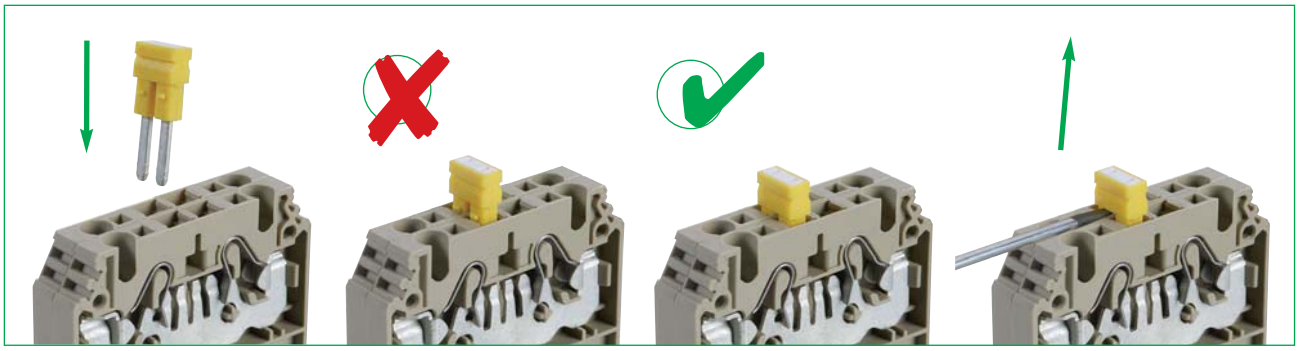


In order to help distinguish between different potentials, other colour variants are available for the **FQI 1,5**, **FQI 2,5** and **FQI 4** cross-connectors!

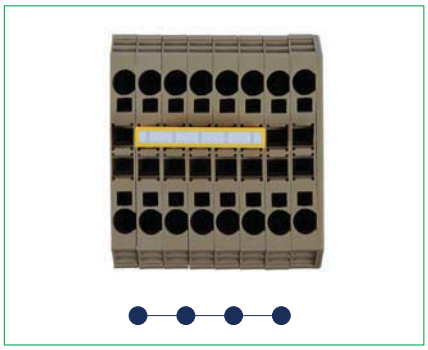


Insulated cross-connections FQI (potential distribution)

Usage of the FQI

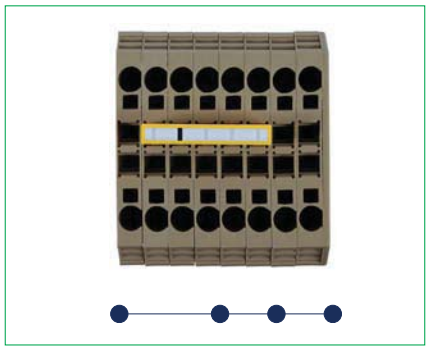


Cross-connection options

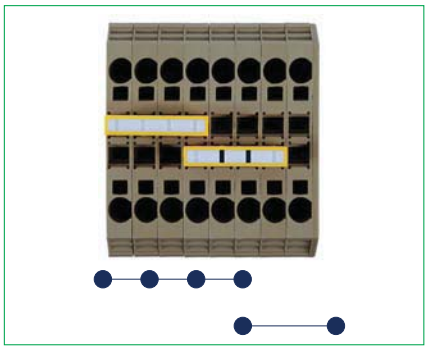


Simple

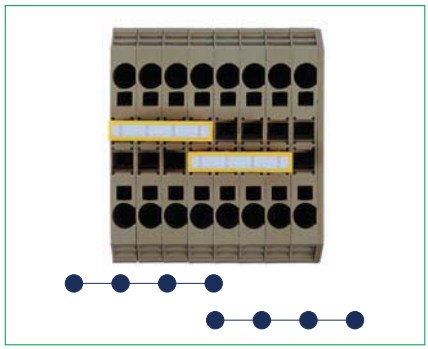
Side-by-side



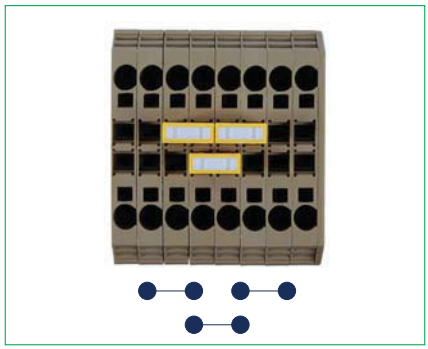
Alternating



Parallel alternating



Parallel extended



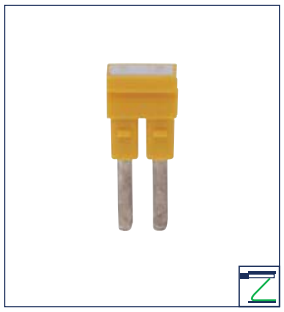
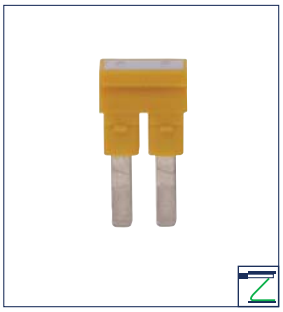
Chain linked

Insulated cross-connections FQI

Cross-connections FQI

The **FQI** cross-connections for the **FRK** pressure-spring connection system have a pluggable, insulated design. They can be used to conduct the rated current of the corresponding cross-section range.

The terminal block design and the variability of the cross-connector ensure excellent flexibility.

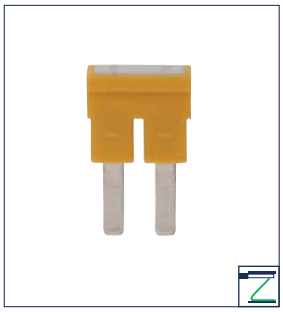
	FQI 1,5...	FQI 2,5...	FQI 2,5-4...
			
	Cross-connection insulated	Cross-connection insulated	Cross-connection insulated
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour 2 poles	FQI 1,5/2 YE	FQI 2,5/2 YE	FQI 2,5-4/2 YE
Cat. no.	**3452.8** 50	**3462.8** 50	**3492.8** 50
Type/colour 3 poles	FQI 1,5/3 YE	FQI 2,5/3 YE	FQI 2,5-4/3 YE
Cat. no.	**3453.8** 50	**3463.8** 50	**3493.8** 50
Type/colour 4 poles	FQI 1,5/4 YE	FQI 2,5/4 YE	FQI 2,5-4/4 YE
Cat. no.	**3454.8** 20	**3464.8** 20	**3494.8** 20
Type/colour 5 poles	FQI 1,5/5 YE	FQI 2,5/5 YE	FQI 2,5-4/5 YE
Cat. no.	**3455.8** 20	**3465.8** 20	**3495.8** 20
Type/colour 6 poles	FQI 1,5/6 YE	FQI 2,5/6 YE	FQI 2,5-4/6 YE
Cat. no.	**3456.8** 20	**3466.8** 20	**3496.8** 20
Type/colour 7 poles	FQI 1,5/7 YE	FQI 2,5/7 YE	FQI 2,5-4/7 YE
Cat. no.	**3457.8** 20	**3467.8** 20	**3497.8** 20
Type/colour 8 poles	FQI 1,5/8 YE	FQI 2,5/8 YE	FQI 2,5-4/8 YE
Cat. no.	**3458.8** 10	**3468.8** 10	**3498.8** 10
Type/colour 9 poles	FQI 1,5/9 YE	FQI 2,5/9 YE	FQI 2,5-4/9 YE
Cat. no.	**3459.8** 10	**3469.8** 10	**3499.8** 10
Type/colour 10 poles	FQI 1,5/10 YE	FQI 2,5/10 YE	FQI 2,5-4/10 YE
Cat. no.	**3450.8** 10	**3460.8** 10	**3490.8** 10
Colours available	.4 .5 .8 .9	.4 .5 .8 .9	.8
Ratings	**IEC**	**IEC**	**IEC**
Rated current, A	17.5	24	32
Max. voltage with partition plate, V	800	800	800
Max. voltage without partition plate, V	800	800	800
Rated impulse voltage, kV | Contamination degree	- |3	- |3	- |3
Pitch, mm	4	5	5

Connection data

Accessories

	Page Qty.	Page Qty.	Page Qty.
For terminal	**Remarks**	**Remarks**	**Remarks**
	FRK 1,5... FSL 1,5...	FRK 2,5... FSL 2,5... FRKD 2,5... FSLD 2,5... FTRK 2,5...	FDLIS 2,5-4...

FQI 4...



Cross-connection insulated

	Qty.
FQI 4/2 YE **3472.8**	50
FQI 4/3 YE **3473.8**	50
FQI 4/4 YE **3474.8**	20
FQI 4/5 YE **3475.8**	20
FQI 4/6 YE **3476.8**	20
FQI 4/7 YE **3477.8**	20
FQI 4/8 YE **3478.8**	10
FQI 4/9 YE **3479.8**	10
FQI 4/10 YE **3470.8**	10

.4 .5 .8 .9
IEC
32
800
800
- |3
6

Page	Qty.

Remarks
FRK 4... FSL 4...

Cross-connections FQI (feeding potentials)

The **FQI** pluggable cross-connection system helps you to save time while distributing potentials over terminal blocks of similar or different cross-sections.

Feed-in through	Outlet through	Feed on left start	Feed on right end
FRK 1,5/2A (**3200...**)	FRK 1,5/2A (3200...)	FQI 1,5/...	FQI 1,5/...
	FRK 1,5/3A (3201...)	FQI 1,5/...	not possible
	FRK 1,5/4A (3202...)	FQI 1,5/...	not possible
	FRK 2,5/2A (3210...)	FQI 1,5/2	FQI 1,5/2
	FRK 2,5/3A (3211...)	FQI 1,5/2	not possible
	FRK 2,5/4A (3212...)	FQI 1,5/2	not possible
	FRK 4/2A (3220...)	not possible	not possible
	FRK 4/3A (3221...)	not possible	not possible
	FRK 4/4A (3222...)	not possible	not possible
FRK 1,5/3A (**3201...**)	FRK 1,5/2A (3200...)	not possible	FQI 1,5/...
	FRK 1,5/3A (3201...)	FQI 1,5/...	FQI 1,5/...
	FRK 1,5/4A (3202...)	FQI 1,5/...	not possible
	FRK 2,5/2A (3210...)	not possible	FQI 1,5/2
	FRK 2,5/3A (3211...)	FQI 1,5/2	FQI 1,5/2
	FRK 2,5/4A (3212...)	FQI 1,5/2	not possible
	FRK 4/2A (3220...)	not possible	not possible
	FRK 4/3A (3221...)	not possible	not possible
	FRK 4/4A (3222...)	not possible	not possible
FRK 1,5/4A (**3202...**)	FRK 1,5/2A (3200...)	not possible	FQI 1,5/...
	FRK 1,5/3A (3201...)	not possible	FQI 1,5/...
	FRK 1,5/4A (3202...)	FQI 1,5/...	FQI 1,5/...
	FRK 2,5/2A (3210...)	not possible	FQI 1,5/2
	FRK 2,5/3A (3211...)	not possible	FQI 1,5/2
	FRK 2,5/4A (3212...)	FQI 1,5/2	FQI 1,5/2
	FRK 4/2A (3220...)	not possible	not possible
	FRK 4/3A (3221...)	not possible	not possible
	FRK 4/4A (3222...)	not possible	not possible
FRK 2,5/2A (**3210...**)	FRK 1,5/2A (3200...)	FQI 1,5/...	FQI 1,5/...
	FRK 1,5/3A (3201...)	FQI 1,5/...	not possible
	FRK 1,5/4A (3202...)	FQI 1,5/...	not possible
	FRK 2,5/2A (3210...)	FQI 2,5/...	FQI 2,5/...
	FRK 2,5/3A (3211...)	FQI 2,5/...	not possible
	FRK 2,5/4A (3212...)	FQI 2,5/...	not possible
	FRK 4/2A (3220...)	FQI 2,5/2	FQI 2,5/2
	FRK 4/3A (3221...)	FQI 2,5/2	not possible
	FRK 4/4A (3222...)	FQI 2,5/2	not possible
FRK 2,5/3A (**3211...**)	FRK 1,5/2A (3200...)	not possible	FQI 1,5/...
	FRK 1,5/3A (3201...)	FQI 1,5/...	FQI 1,5/...
	FRK 1,5/4A (3202...)	FQI 1,5/...	not possible
	FRK 2,5/2A (3210...)	not possible	FQI 2,5/...
	FRK 2,5/3A (3211...)	FQI 2,5/...	FQI 2,5/...
	FRK 2,5/4A (3212...)	FQI 2,5/...	not possible
	FRK 4/2A (3220...)	not possible	FQI 2,5/2
	FRK 4/3A (3221...)	FQI 2,5/2	FQI 2,5/2
	FRK 4/4A (3222...)	FQI 2,5/2	not possible
FRK 2,5/4A (**3212...**)	FRK 1,5/2A (3200...)	not possible	FQI 1,5/...
	FRK 1,5/3A (3201...)	not possible	FQI 1,5/...
	FRK 1,5/4A (3202...)	FQI 1,5/...	FQI 1,5/...
	FRK 2,5/2A (3210...)	not possible	FQI 2,5/...
	FRK 2,5/3A (3211...)	not possible	FQI 2,5/...
	FRK 2,5/4A (3212...)	FQI 2,5/...	FQI 2,5/...
	FRK 4/2A (3220...)	not possible	FQI 2,5/2
	FRK 4/3A (3221...)	not possible	FQI 2,5/2
	FRK 4/4A (3222...)	FQI 2,5/2	FQI 2,5/2
FRK 4/2A (**3220...**)	FRK 1,5/2A (3200...)	not possible	not possible
	FRK 1,5/3A (3201...)	not possible	not possible
	FRK 1,5/4A (3202...)	not possible	not possible
	FRK 2,5/2A (3210...)	FQI 2,5/...	FQI 2,5/...
	FRK 2,5/3A (3211...)	FQI 2,5/...	not possible
	FRK 2,5/4A (3212...)	FQI 2,5/...	not possible
	FRK 4/2A (3220...)	FQI 4/...	FQI 4/...
	FRK 4/3A (3221...)	FQI 4/...	not possible
	FRK 4/4A (3222...)	FQI 4/...	not possible
FRK 4/3A (**3221...**)	FRK 1,5/2A (3200...)	not possible	not possible
	FRK 1,5/3A (3201...)	not possible	not possible
	FRK 1,5/4A (3202...)	not possible	not possible
	FRK 2,5/2A (3210...)	not possible	FQI 2,5/...
	FRK 2,5/3A (3211...)	FQI 2,5/...	FQI 2,5/...
	FRK 2,5/4A (3212...)	FQI 2,5/...	not possible
	FRK 4/2A (3220...)	not possible	FQI 4/...
	FRK 4/3A (3221...)	FQI 4/...	FQI 4/...
	FRK 4/4A (3222...)	FQI 4/...	not possible
FRK 4/4A (**3222...**)	FRK 1,5/2A (3200...)	not possible	not possible
	FRK 1,5/3A (3201...)	not possible	not possible
	FRK 1,5/4A (3202...)	not possible	not possible
	FRK 2,5/2A (3210...)	not possible	FQI 2,5/...
	FRK 2,5/3A (3211...)	not possible	FQI 2,5/...
	FRK 2,5/4A (3212...)	FQI 2,5/...	FQI 2,5/...
	FRK 4/2A (3220...)	not possible	FQI 4/...
	FRK 4/3A (3221...)	not possible	FQI 4/...
	FRK 4/4A (3222...)	FQI 4/...	FQI 4/...

Insulated cross-connections ZQI (potential distribution)

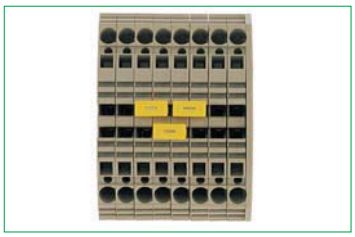
The **ZQI** pluggable cross-connection system helps you to save time while distributing potentials over terminal blocks of similar or different cross-section ranges. The pluggable design of the **ZQI** offers the advantage that it can carry the rated current even while operating at the rated voltage! The **ZQI** is constructed to protect against accidental touch. It is available in 2 – 10 poles. It is available with up to 99 poles in the 2 mm² cross-section range.

Parallel connections between various potential, without loss of poles, is possible in the 2.5 mm² and 4 mm² cross-section ranges.

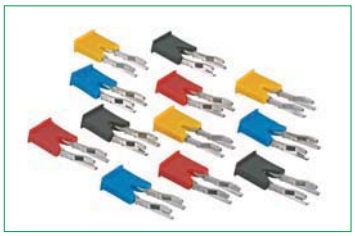
With the standard terminal blocks, it is possible to skip over terminal blocks by breaking out individual contact poles.

It is possible to shorten the cross-connection with a cutting tool, but you must then make sure that the cut side is fitted with an end plate so that the voltage rating is maintained. For standard terminal blocks in the cross-sections 2.5 mm² and 4 mm², it is adequate to attach the **ZQIs** in an offset position (two cross-connection channels).

In the 10 mm² and 16 mm² cross-sections, cross-connections larger than two poles are implemented using the corresponding **ZQI/.../2** together with a chain link.



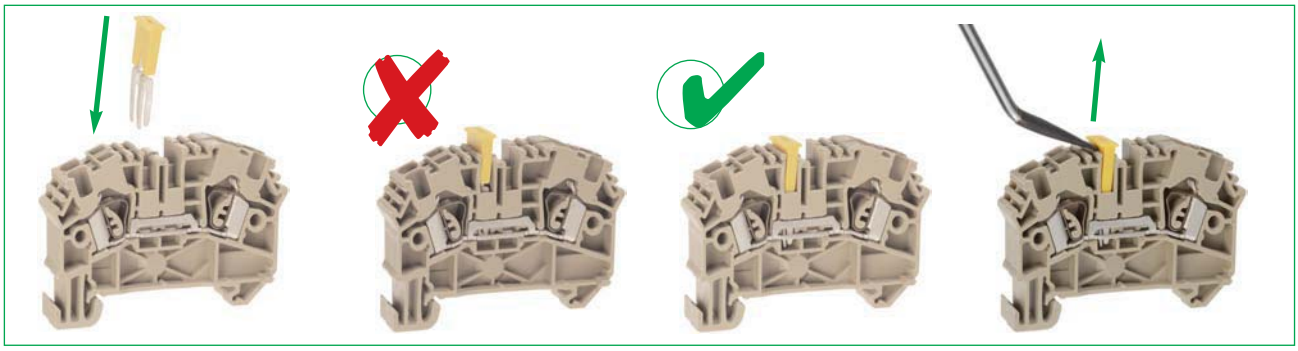
In order to help distinguish between different potentials, other colour variants are available for the **ZQI 2,5** and **ZQI 4** cross-connectors!



Important note:
Do not deform the shape of the **ZQI**s (do not take apart or press together).

Insulated cross-connections ZQI (potential distribution)

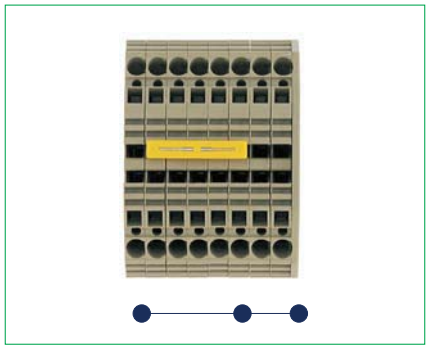
Usage of ZQI



Cross-connection options

Simple

Side-by-side



Alternating

Parallel alternating

Parallel extended

Chain linked

Cross-connections ZQI | Vertical connector ZVQI | External insulated cross-connector AQI

Overview of cross-connections available with tension-spring connection system

The cross-connections listed here can be used to connect up to twenty terminals blocks with each other. This flexible system helps you to save time during installation and thus also save money.

The **ZQI 2,5/99** is a many-pole pluggable cross-connector for all tension-spring terminals with rated cross-sections of 2.5 mm². There is a captive connection between the insulation and the crest. The **ZQI 2,5/99** covers 99 poles. A suitable cutting tool can be used to shorten it to the required pole length.

The **ZVQI 2,5** vertical cross-connector provides a pluggable electrical connection between the levels of the **ZRKD** and **ZIKD**. When a vertical connector is inserted, it is still possible to make a cross-connection to the neighbouring terminal blocks.

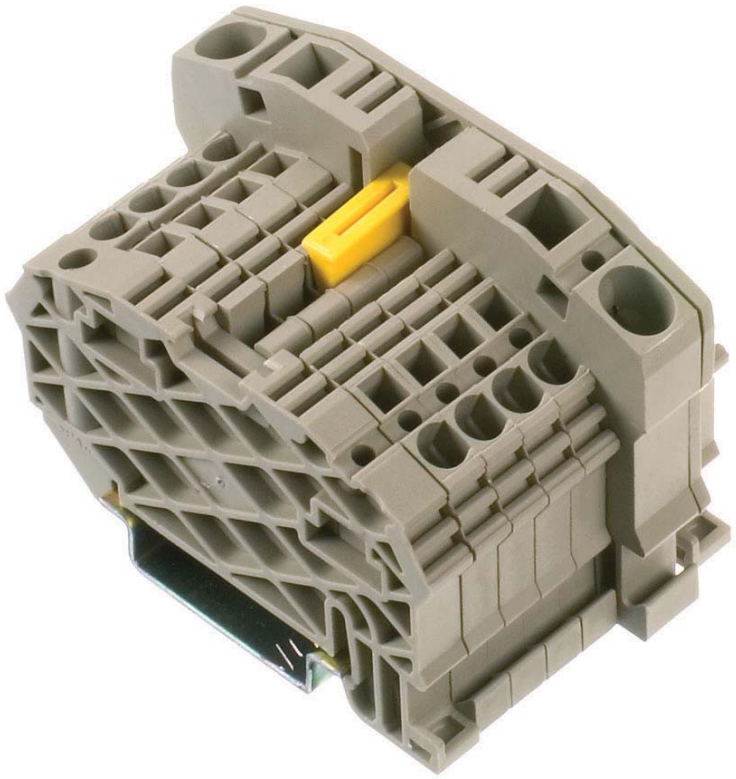
Insulated external cross-connector

External cross-connection bridges make it possible to branch off the potential for terminals which are not available in the middle of the terminal via a cross-connection channel. When external cross-connections are used, the rated cross-section is reduced to the next smallest wire size.

Cross-connections ZQI (feeding potentials)

It is possible to cross-connect large cross-section terminals to smaller ones. This allows for a simple distribution among different potential levels and cross-section levels.

The **ZQI** pluggable cross-connection system helps you to save time while distributing potentials over terminal blocks of similar or different cross-section ranges.



Cross-connections ZQI (potential distribution)

The ZQI pluggable cross-connection system helps you to save time while distributing potentials over terminal blocks of similar or different cross-section ranges.

Feed-in with	Outlet through	Feed on left start	Feed on right end	
ZRK 2,5/2A (**3500...**)	ZRK 2,5/2A (**3500...**)	ZQI 2,5/...	not possible	
	ZRK 2,5/3A (**3501...**)	ZQI 2,5/...	not possible	
	ZRK 2,5/4A (**3502...**)	ZQI 2,5/...	ZQI 2,5/2	
	ZRK 4/2A (**3515...**)	ZQI 4/...	not possible	
	ZRK 4/3A (**3516...**)	ZQI 4/...	not possible	
	ZRK 4/4A (**3517...**)	ZQI 4/...	ZQI 4/2	
	ZRK 6/2A (**3581...**)	ZQI 4/2	ZQI 2,5/...	
ZRK 2,5/3A (**3501...**)	ZRK 2,5/2A (**3500...**)	not possible	ZQI 2,5/...	
	ZRK 2,5/3A (**3501...**)	ZQI 2,5/...	not possible	
	ZRK 2,5/4A (**3502...**)	ZQI 2,5/...	ZQI 2,5/2	
	ZRK 4/2A (**3515...**)	not possible	ZQI 2,5/2	
	ZRK 4/3A (**3516...**)	ZQI 4/...	not possible	
	ZRK 4/4A (**3517...**)	ZQI 4/...	ZQI 4/2	
	ZRK 6/2A (**3581...**)	not possible	ZQI 2,5/...	
ZRK 2,5/4A (**3502...**)	ZRK 2,5/2A (**3500...**)	not possible	ZQI 2,5/...	
	ZRK 2,5/3A (**3501...**)	not possible	ZQI 2,5/...	
	ZRK 2,5/4A (**3502...**)	ZQI 2,5/...	ZQI 2,5/2	
	ZRK 4/2A (**3515...**)	not possible	ZQI 2,5/2	
	ZRK 4/3A (3**516...**)	not possible	ZQI 2,5/2	
	ZRK 4/4A (**3517...**)	ZQI 4/...	ZQI 4/2	
	ZRK 6/2A (**3581...**)	not possible		
ZRK 4/2A (**3515...**)	ZRK 2,5/2A (**3500...**)	ZQI 2,5/...	ZQI 4/2	
	ZRK 2,5/3A (**3501...**)	ZQI 2,5/...	not possible	
	ZRK 2,5/4A (**3502...**)	ZQI 2,5/...	not possible	
	ZRK 4/2A (**3515...**)	ZQI 4/...	ZQI 4/...	
	ZRK 4/3A (**3516...**)	ZQI 4/...	not possible	
	ZRK 4/4A (**3517...**)	ZQI 4/...	not possible	
	ZRK 6/2A (**3581...**)	ZQI 4/2	ZQI 4/2	
ZRK 4/3A (**3516...**)	ZRK 2,5/2A (**3500...**)	not possible	ZQI 4/2	
	ZRK 2,5/3A (**3501...**)	ZQI 2,5/...	ZQI 4/2	
	ZRK 2,5/4A (**3502...**)	ZQI 2,5/...	not possible	
	ZRK 4/2A (**3515...**)	not possible	ZQI 4/...	
	ZRK 4/3A (**3516...**)	ZQI 4/...	ZQI 4/...	
	ZRK 4/4A (**3517...**)	ZQI 4/...	not possible	
	ZRK 6/2A (**3581...**)	not possible	ZQI 4/2	
ZRK 4/4A (**3517...**)	ZRK 2,5/2A (**3500...**)	not possible	ZQI 4/2	
	ZRK 2,5/3A (**3501...**)	not possible	ZQI 4/2	
	ZRK 2,5/4A (**3502...**)	ZQI 2,5/...	ZQI 4/2	
	ZRK 4/2A (**3515...**)	not possible	ZQI 4/...	
	ZRK 4/3A (**3516...**)	not possible	ZQI 4/...	
	ZRK 4/4A (**3517...**)	ZQI 4/...	ZQI 4/...	
	ZRK 6/2A (**3581...**)	not possible	ZQI 4/2	
ZRK 6/2A (**3581...**)	ZRK 2,5/2A (**3500...**)	ZQI 2,5/...	ZQI 4/2	
	ZRK 2,5/3A (**3501...**)	ZQI 2,5/...	not possible	
	ZRK 2,5/4A (**3502...**)	ZQI 2,5/...	not possible	
	ZRK 4/2A (**3515...**)	ZQI 4/...	ZQI 4/...	
	ZRK 4/3A (**3516...**)	ZQI 4/...	not possible	
	ZRK 4/4A (**3517...**)	ZQI 4/...	not possible	
	ZRK 6/2A (**3581...**)	ZQI 6/...	ZQI6,0/...	
ZRK 10/2A (**3597...**)	ZRK 2,5/2A (**3500...**)	not possible	ZQI 2,5/...	Remove second contact element on each!
	ZRK 2,5/3A (**3501...**)	not possible	ZQI 2,5/...	Remove second contact element on each!
	ZRK 2,5/4A (**3502...**)	not possible	ZQI 2,5/...	Remove second contact element on each!
	ZRK 4/2A (**3515...**)	not possible	not possible	
	ZRK 4/3A (**3516...**)	not possible	not possible	
	ZRK 4/4A (**3517...**)	not possible	not possible	
	ZRK 6/2A (**3581...**)	ZQI 6/...	ZQI 6.0/...	
	ZRK 10/2A (**3597...**)	ZQI 10/2	ZQI 10/2	
ZRK 16/2A (**3636...**)	ZRK 2,5/2A (**3500...**)	not possible	ZQI 2,5/...	Remove second contact element on each!
	ZRK 2,5/3A (**3501...**)	not possible	ZQI 2,5/...	Remove second contact element on each!
	ZRK 2,5/4A (**3502...**)	not possible	ZQI 2,5/...	Remove second contact element on each!
	ZRK 4/2A (**3515...**)	not possible	ZQI 4/...	Remove second contact element on each!
	ZRK 4/3A (**3516...**)	not possible	ZQI 4/...	Remove second contact element on each!
	ZRK 4/4A (**3517...**)	not possible	ZQI 4/...	Remove second contact element on each!
	ZRK 6/2A (**3581...**)	ZQI 6/...	ZQI 10/2	
	ZRK 10/2A (**3597...**)	ZQI 10/2	ZQI 16/2	
	ZRK 16/2A (**3636...**)	ZQI 16/2	ZQI 16/2	

Insulated cross-connections ZQI/AQI/ZVQI

Cross-connections ZQI | AQI | ZVQI

The cross-connections for the **ZRK** tension-spring connection system have a pluggable, insulated design. They can be used to conduct the rated current of the corresponding cross-section range.

The terminal block design and the variability of the cross-connector ensure excellent flexibility.

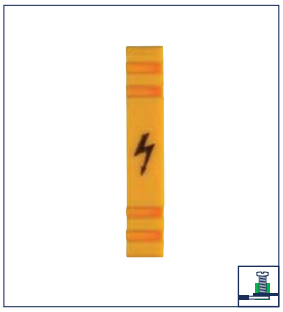
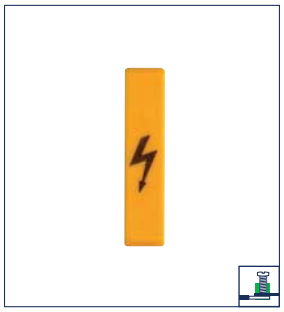
	ZQI 2,5...	ZQI 2,5/99	ZQI 4
	Cross-connection insulated	Cross-connection insulated	Cross-connection insulated
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour **Cat. no.** 2 poles	ZQI 2,5/2 YE **3710.8** 50		ZQI 4/2 YE **3720.8** 50
Type/colour **Cat. no.** 3 poles	ZQI 2,5/3 YE **3711.8** 50		ZQI 4/3 YE **3721.8** 50
Type/colour **Cat. no.** 4 poles	ZQI 2,5/4 YE **3712.8** 20		ZQI 4/4 YE **3722.8** 20
Type/colour **Cat. no.** 5 poles	ZQI 2,5/5 YE **3713.8** 20		ZQI 4/5 YE **3723.8** 20
Type/colour **Cat. no.** 6 poles	ZQI 2,5/6 YE **3714.8** 20		ZQI 4/6 YE **3724.8** 20
Type/colour **Cat. no.** 7 poles	ZQI 2,5/7 YE **3715.8** 20		ZQI 4/7 YE **3725.8** 20
Type/colour **Cat. no.** 8 poles	ZQI 2,5/8 YE **3716.8** 10		ZQI 4/8 YE **3726.8** 10
Type/colour **Cat. no.** 9 poles	ZQI 2,5/9 YE **3717.8** 10		ZQI 4/9 YE **3727.8** 10
Type/colour **Cat. no.** 10 poles	ZQI 2,5/10 YE **3718.8** 10		ZQI 4/10 YE **3728.8** 10
Type/colour **Cat. no.** 99 poles		ZQI 2,5/0.5 w/99 poles YE **3719.8** 1	
Colours available	.4 .5 .8 .9	.4 .5 .8 .9	.4 .5 .8 .9
Ratings	**IEC**	**IEC**	**IEC**
Rated current, A	24	24	32
Max. voltage with partition plate, V	800	800	800
Max. voltage without partition plate, V	800	800	800
Rated impulse voltage, kV | Contamination degree	- |3	- |3	- |3
Pitch, mm	5	5	6
Connection data			
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
For terminal	**Remarks**	**Remarks**	**Remarks**
	ZSRK 2,5... ZRK 2,5...	ZSRK 2,5... ZRK 2,5...	ZRK 4... ZRK 4...
	ZRKD 2,5 ZIKD 2,5	ZRKD 2,5 ZIKD 2,5	
	ZTRK 2,5 ZIZA 1,5	ZTRK 2,5 ZIZA 1,5	
	RK 2,5/35N 2Q	RK 2,5/35N 2Q	

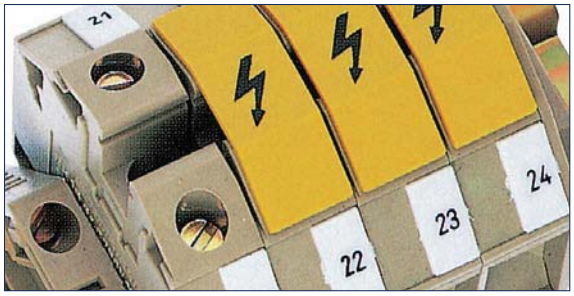
ZQI 6...	ZQI 10	ZQI 16	AQI.../5/15	ZVQI 2,5
Cross-connection insulated	Cross-connection insulated	Cross-connection insulated	External cross-connection insulated	Vertical connector insulated
Qty.	Qty.	Qty.	Qty.	Qty.
ZQI 6/2 YE **3763.8** 50	ZQI 10/2 YE **3789.8** 20	ZQI 16/2 YE **3800.8** 20	AQI 2/5/15 YE **2023.0** 50	ZVQI 2,5 OG **3744.2** 20
ZQI 6/3 YE **3764.8** 50			AQI 3/5/15 YE **2024.0** 50	
ZQI 6/4 YE **3765.8** 20			AQI 4/5/15 **2028.0** 10	
ZQI 6/5 YE **3766.8** 20				
ZQI 6/6 YE **3767.8** 20				
ZQI 6/7 YE **3768.8** 20				
ZQI 6/8 YE **3769.8** 10				
ZQI 6/9 YE **3470.8** 10				
ZQI 6/10 YE **3471.8** 10			AQI 10/5/15 **2029.0** 10	
.4 .5 .8 .9				
IEC	IEC	IEC	IEC	IEC
41	57	75	24	24
800	800	1000		800
800	800	1000		800
- |3	- |3	- |3	- |3	|3
8	10	12		
Page Qty.	Page Qty.	Page Qty.	Page Qty.	Page Qty.
Remarks	Remarks	Remarks	Remarks	Remarks
ZRK 6...	ZRK 10...	ZRK 16...	ZSRK 2,5... ZRK 2,5... ZRKD 2,5 ZIKD 2,5 ZTRK 2,5 ZIZA 1,5	ZRKD 2,5 ZIKD 2,5

Individual covers EA| Individual and four-way covers AD

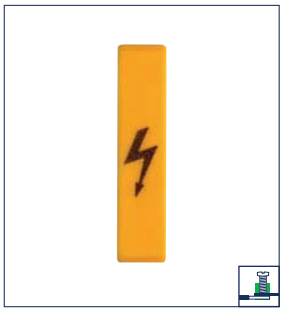
Individual covers EA | Individual and four-way covers AD

VDE regulations require that the mains terminals be covered. The **EA** and **AD** yellow covers (labelled with a lightning flash) are used to cover the operational channel and the cross-connection channel of the terminal. Thus they discourage operation of the terminal while live voltage is present. The **EA 1** and **AD 1** covers are snapped down on the terminal blocks. The **BS 1** marker pen or the **EMS** labelling system can be used to label the white variants. The **AD 4**, which is designed for four terminals of the corresponding cross-section size, is mechanically attached using two plastic screws. Two print variants (German and English (.../E)) are available.

	EA 1...	AD 1/5	AD 1/6
			
	Individual cover, blank / Individual cover, with lightning flash symbol	Individual cover, blank / Individual cover, with lightning flash symbol	Individual cover, blank / Individual cover, with lightning flash symbol
Type	**Print Qty.**	**Print Qty.**	**Print Qty.**
Type/colour	EA 1 BG	AD 1/5 WH	AD 1/6 WH
Cat. no.	**2703.2** Blank 50	**2962.0** Blank 50	**2965.0** Blank 50
Type/colour	EA 1 WH	AD 1/5/N WH	
Cat. no.	**2703.7** Blank 50	**2963.0** Blank 50	
Type/colour	EA 1 YE		
Cat. no.	**2703.8** Blank 50		
Type/colour	EA 1/B BG	AD 1/5/B YE	AD 1/6/B YE
Cat. no.	**2803.2** Lightning flash 50	**2952.0** Lightning flash 50	**2953.0** Lightning flash 50
Type/colour	EA 1/B WH	AD 1/5/N/B YE	
Cat. no.	**2803.7** Lightning flash 50	**2964.0** Lightning flash 50	
Type/colour	EA 1/B YE		
Cat. no.	**2803.8** Lightning flash 50		
Colours available	.2 .7 .8		
Ratings			
Width, mm	5	5	6
Labelling			
	Blank B lightning flash	Blank B lightning flash	Blank B lightning flash
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Type/colour	PMC SB/50 WH		
Cat. no.	**4600.7** 339 500		
Type/colour			
Cat. no.			
For terminal	**Remarks**	**Remarks**	**Remarks**
	RK 2,5 RK 2,5-4 RK 6-10 RK 2,5-4 ZR RK 2,5-4 ZRL FF 2.5 SF 2,5-4 SL 2,5 SL 4 SL 10 SRK 2,5/2A SSL 2,5/2A	RK 2,5 AD 1/5 KBL 2,5 AD 1/5 RK 2,5 N 2Q A/D 1/5 N SRK 2,5/2A SSL 2,5/2A	RK 2,5-4 KBL 2.5-4 SRK 4/2A SSL 4/2A



AD 1/8



Individual cover, blank / Individual cover, with lightning flash symbol

Print	Qty.
AD 1/8 WH	
2966.0 Blank	50
AD 1/8/B YE	
2954.0 Lightning flash	50

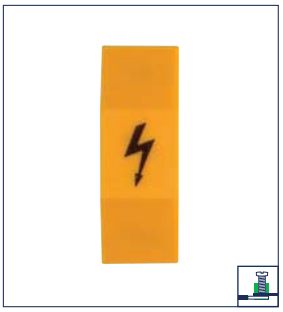
8

Blank
B lightning flash

Page	Qty.

Remarks
RK 6-10
KBL 6-10
SRK 6/2A
SSL 6/2A
SRK 10/2A
SSL 10/2A

AD 1/12



Individual cover, blank / Individual cover, with lightning flash symbol

Print	Qty.
AD 1/12 WH	
2969.0 Blank	20
AD 1/12/N WH	
2967.0 Blank	20
AD 1/12/B YE	
2819.0 Lightning flash	20
AD 1/12/N/B YE	
2955.0 Lightning flash	20

12

Blank
B lightning flash

Page	Qty.

Remarks	
RK 16	AD 1/12
RK 16/35 N	A/D 1/12 N

AD 1/16

Individual cover, blank / Individual cover, with lightning flash symbol

Print	Qty.
AD 1/16 WH	
2970.0 Blank	20
AD 1/16/N WH	
2968.0 Blank	20
AD 1/16/B YE	
2820.0 Lightning flash	20
AD 1/16/N/B YE	
2956.0 Lightning flash	20

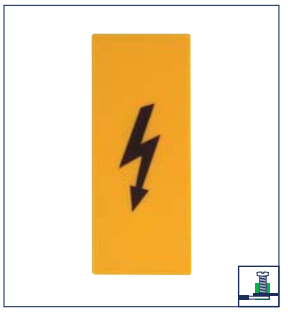
16

Blank
B lightning flash

Page	Qty.

Remarks	
RK 35	AD 1/16
RK 35/35 N	A/D 1/16 N

AD/1/50...AD 1/240



Individual cover, with lightning flash symbol

Print	Qty.
AD 1/50/B YE	
2810.0 Lightning flash	20
AD 1/95/B YE	
2804.0 Lightning flash	20
AD 1/150/B YE	
2806.0 Lightning flash	20
AD 1/240/B YE	
2808.0 Lightning flash	20

20, 25, 31, 36

Blank
B lightning flash

Page	Qty.

Remarks	
RK 50	AD 1/50 B
RK 95	A/D 1/95 B
RK 150	AD 1/150 B
RK 240	A/D 1/240 B

AD 4

Four-way cover with lightning flash

Print	Qty.
AD 4/20/B YE	
2712.0 Blank	50
AD 4/24/B YE	
2079.0 Blank	50
AD 4/24/B YE	
2011.0 Blank	50
AD 4/32/B YE	
2054.0 Lightning flash	50
AD 4/24/BE YE	
2493.0 Lightning flash	50
AD 4/24/BE YE	
2494.0 Lightning flash	50
AD 4/24/BE YE	
2713.0 Lightning flash	50
AD 4/32/BE YE	
2495.0 Lightning flash	50

(8)

"Vorsicht Spannung" and lightning flash
E "Attention Voltage" and lightning flash

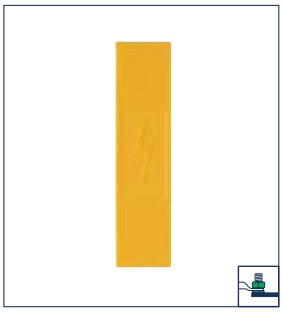
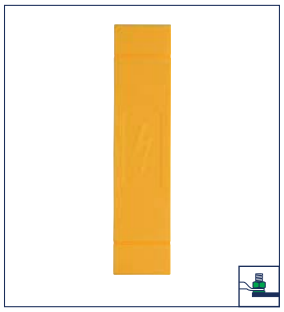
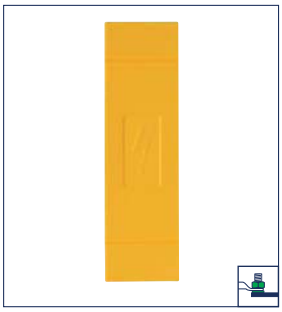
Screw	Qty.
BSK M 2,5x22 BK	
2080.0	100
BSK M 3x22 BK	
2012.0	100

Screw	AD
RK 2,5 KBL 2,5	M 2,5	AD 4/20... **2712.0** **2713.0**
RK 1,5-4 RKD 4 KBL 1,5-4 KBLD 4	M 2.5	AD 4/24... **2079.0** **2493.0**
RK 2,5-4 KBL 2.5-4	M 3	AD 4/24... **2011.0** **2494.0**
RK 6-10 KBL 6-10	M3	AD 4/32... **2054.0** **2495.0**

Individual covers AD | Protective hoods AH

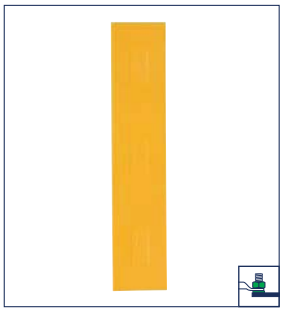
Individual covers AD

The **AD** covers can snapped on, simply and securely, to the matching clips in the **TW** partitions. In this quick and reliable way, touch-safe protection of the terminal points is always guaranteed.

	AD 16	AD 35	AD 50
			
	Individual cover	Individual cover	Individual cover
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	AD 16 YE	AD 35 YE	AD 50 YE
Cat. no.	**17019.8** 20	**17020.8** 20	**17021.8** 20
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	.8	.8	.8
Ratings			
Width, mm	13	16	21
Length, mm	53	71	76
Material	PA 6.6 V0	PA 6.6 V0	PA 6.6 V0
Labelling			
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Type/colour	TW 16-120 BG	TW 16-120 BG	TW 16-120 BG
Cat. no.	**17018.2** 316 20	**17018.2** 316 20	**17018.2** 316 20
Type/colour		TW 35-120/B/B BG	TW 35-120/B/B BG
Cat. no.		**17022.2** 316 20	**17022.2** 316 20
For terminal			
	HSK 16/M5 B	HSK 35/M6 B HSK 35/M6 B/B	HSK 50/M8 B HSK 50/M8 B/B

Protective hood AH

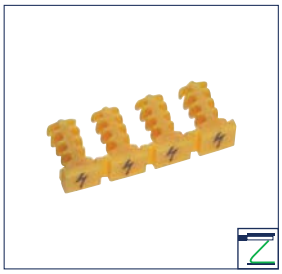
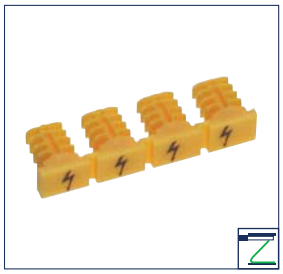
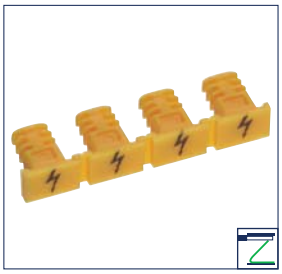
The transparent **AH** covers offer a simple and safe method for protecting terminals and wires from accidental touch. They are securely screwed into the flanges built into the **TW** partition plates.

AD 120		AH 40	AH 50
			
Individual cover		Protective hood	Protective hood
Qty.	**Type**	**Qty.**	**Qty.**
AD 120 YE	Type/colour	AH 40 transparent	AH 50 transparent
17026.8 20	**Cat. no.**	**2381.0** 1	**2382.0** 1
	Type/colour		
	Cat. no.		
	Type/colour		
	Cat. no.		
	Type/colour		
	Cat. no.		
	Type/colour		
	Cat. no.		
	Type/colour		
	Cat. no.		
(8)	Colours available		
	Ratings		
32	Width, mm	40	50
158			
PA 6.6 V0	Material	Polycarbonate	Polycarbonate
	labelling		
Page Qty.	**Accessories**	**Page Qty.**	**Page Qty.**
TW 35-120 BG	Type/colour	TW 97 BG	TW 138 BG
17022.2 316 20	**Cat. no.**	**2380.0** 316 1	**1178.0** 316 1
	Type/colour	BS AD/M 2,9x6,5	BS AD/M 2,9x6,5
	Cat. no.	**2385.0** 100	**2385.0** 100
	For terminal		
HSK 120/M10 B HSK 120/M12 B HSK 120/M10 B/B		HSK 70/35 B HSK 70/35 B/B HSK 95/35 B HSK 95/35 B/B	HSK 150/35 B HSK 150/35 B/B HSK 240/35 B HSK 240/35 B/B

Four-way covers FAD/ZAD

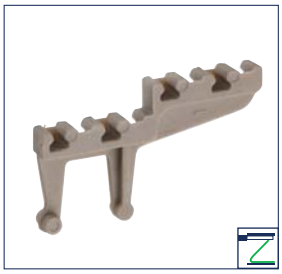
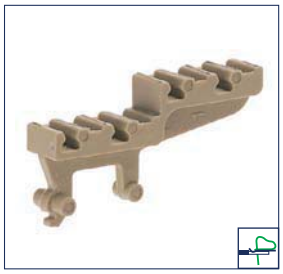
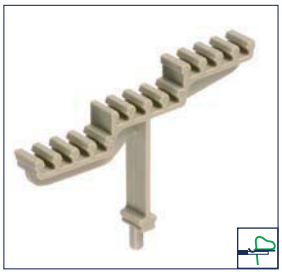
Four-way covers FAD | ZAD

VDE regulations require that the mains terminals be covered.
The yellow **FAD/ZAD** covers (labelled with a lightning flash) are used to cover the operational channel. Thus they discourage operation of the terminal while live voltage is present.

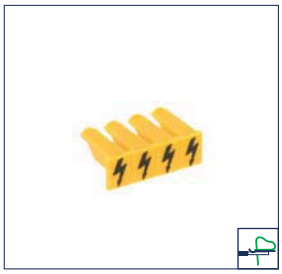
	FAD 1,5	FAD 2.5	FAD 4
			
	Four-way cover with Lightning flash	Four-way cover with Lightning flash	Four-way cover with lighting flash
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	FAD 1,5/4/B YE	FAD 2,5/4/B YE	FAD 4/4/B YE
Cat. no.	**3425.8** 20	**3426.8** 20	**3427.8** 20
Type/colour			
Cat. no.			
Colours available	.8	.8	.8
Ratings			
Pitch, mm	4.1	5.1	6.1
Material	PA 6.6 V0	PA 6.6 V0	PA 6.6 V0
Connection data			
Accessories	**Page Qty**	**Page Qty**	**Page Qty**
Type/colour			
Cat. no.			
For terminal	**Remarks**	**Remarks**	**Remarks**
	FRK 1,5... FSL 1.5...	FRK 2,5... FSL 2,5... FRKD 2,5... FSLD 2,5... FDLIS 2,5-4... FTRK2,5...	FRK 4... FSL 4...

Labelling adapter FBA | ZBA

Pressure-spring connection system | Tension-spring connection system

	FBA 1	ZBA 1	ZBA 3
			
	Labelling adapter for double-level terminals	Labelling adapter for double-level terminals	Labelling adapter for multi-level terminals
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	FBA 1 BG	ZBA 1 BG	ZBA 3 BG
Cat. no.	**3424.2** 50	**3745.2** 20	**3813.2** 50
Colours available	.2	.2	.2
Ratings			
Pitch, mm	5.1	5.1	5.1
Material	PA 6.6 V0	PA 6.6 V0	PA 6.6 V0
Connection data			
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Type/colour	PMC SB/50 WH	PMC SB/50 WH	PMC SB/50 WH
Cat. no.	**4600.7** 339 500	**4600.7** 339 500	**4600.7** 339 500
For terminal	**Remarks**	**Remarks**	**Remarks**
	FRKD 2,5...	ZRKD 2,5...	ZIKD 2,5... -

ZAD 2,5



Four-way cover with lighting flash

Qty.

ZAD 2,5/4/B YE
3706.0 20

.8

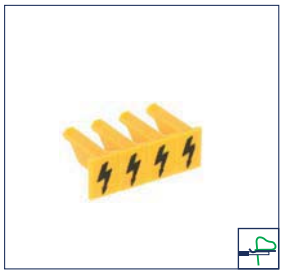
5.1
PA 6.6 V0

Page Qty.

Remarks

ZSRK 2,5...
ZSLN 2,5...
ZRK 2,5...
ZSL 2,5...
ZRKD 2,5...
ZSLD 2,5...
ZIKD 2,5...
ZTRK 2,5...
ZVMAK 2,5...
ZIZA 1,5...

ZAD 4



Four-way cover with lighting flash

Qty.

ZAD 4/4/B YE
3707.0 20

.8

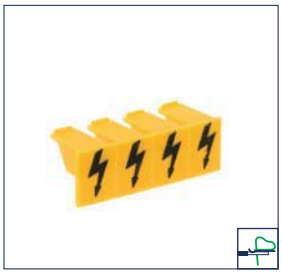
6.1
PA 6.6 V0

Page Qty.

Remarks

ZRK 4...
ZSL 4...

ZAD 6



Four-way cover with lighting flash

Qty.

ZAD 6/4/B YE
3708.0 20

.8

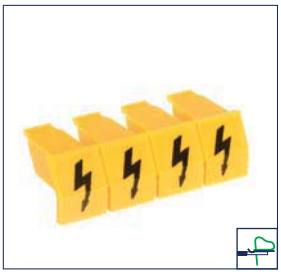
8.1
PA 6.6 V0

Page Qty.

Remarks

ZRK 10...
ZSL 10...

ZAD 10



Four-way cover with lighting flash

Qty.

ZAD 10/4/B YE
3709.0 20

.8

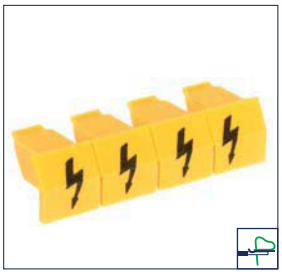
10.1
PA 6.6 V0

Page Qty.

Remarks

ZRK 10...
ZSL 10...

ZAD 16



Four-way cover with Lightning flash

Qty

ZAD 16/4/B YE
3801.0 20

.8

12
PA 6.6 V0

Page Qty.

Remarks

ZRK 16...
ZSL 16...

ZBA 2

Labelling adapter for ZIZA | ZMP

Qty.

ZBA 2 BG
3786.2 50

.2

5,1
PA 6.6 V0

Page Qty.

PMC SB/50 WH
4600.7 339 500

Remarks

ZIZA 1,5/...
ZMP 1,5...

ZBA 2/Z

Labelling adapter for ZIZA | ZMP

Qty.

ZBA 2/Z BG
3787.2 50

.2

5,1
PA 6.6 V0

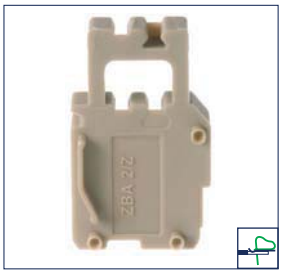
Page Qty.

PMC SB/50 WH
4600.7 339 500

Remarks

ZIZA 1,5/...
ZMP 1,5...

ZBA 2/Z/H



Labelling adapter for ZIZA | ZMP

Qty.

ZBA 2/Z/H BG
17036.2 50

.2

5,1
PA 6.6 V0

Page Qty.

PMC SB/50 WH
4600.7 339 500

Remarks

ZIZA 1,5/...
ZMP 1,5...

Cross-connection channel cover AD

For terminals of types **RK 2,5-4**, **RK 6-10**, **RK2,5-4 ZR**, **RK 2,5-4 ZRL**, **FF 2,5** and **SF 2,5-4**: 60mm long covers are available which can be used to provide touch protection for uninsulated cross-connections.
The profile section is made from polyamide 6.6 and is delivered as either transparent or in white.

Type
Type/colour
Cat. no.

Colours available

Ratings
Length, mm
Width, mm

Connection data

Accessories
Type/colour
Cat. no.
For terminal

AD Q

Covers Cross-connection channel

Qty.

AD Q transparent
2499.0 20

AD Q white
2499.7 20

.7

60
10

RK 2,5-4
RK 6-10
RK 2,5-4 ZR
RK 2,5-4 ZRL
FF 2.5
SF 2,5-4
RK 35

Partition plates TWMF/TW | Cover profile AD | Insulation plate TRS | Connecting sleeves VBS

Cover profile AD combined with partition plates TWMF
Many safety requirements (for example, the "Electrical facilities and operating devices" accident prevention regulations (VBG 4) or VDE 0106 part 100/3.83) require that the active components of equipment are protected against direct touch. For terminals using **Q** cross-connectors or test sockets, this protection is provided by additional covers. Cover profiles with assigned support plates are used for this purpose. They can be used with the main terminal sizes. The support plates can be positioned at the end or between groups of terminals. They can be attached to **TS 32** or **TS 35** rails.

Partition with foot TWMF

Cat. no.	Type	Colour	Qty.	Width	Material	Length	Height incl. TS 35x7.5
2957.2	TWMF BG	beige	20	2 mm	PA 6.6 V2	88 mm	70 mm
2957.5	TWMF BU	blue	20	2 mm	PA 6.6 V2	88 mm	70 mm
2957.3	TWMF OG	orange	20	2 mm	PA 6.6 V2	88 mm	70 mm

AD cover profile

Cat. no.	Type	Colour	Qty.	Width	Material	Length	Height incl. TS 35x7.5
2958.2	AD 3/1000 mm	transparent	1	1 m	Polycarbonate	90 mm	70 mm

Partition plates TW

Partition plates must normally be used between uninsulated cross-connectors when making cross-connections.
The is required in order to maintain the required creepage and clearance distances.

Partition plates TW

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
2071.2	TW 1.5-4 BG	beige	50	1,5 mm	PA 6.6 V2	RK 1,5-4|RK 1,5-4/15|KBL 1,5-4|KBL 1,5-4/15|RKB 4|FF 1/15
2071.5	TW 1,5-4 BU	blue	50	1,5 mm	PA 6.6 V2	
2002.2	TW 2,5-10 BG	beige	50	1,5 mm	PA 6.6 V2	RK 2,5|KBL 2,5|RK 2,5-4|RK 6-10|KBL 2,5-4|KBL 6-10|SL 4|
2002.5	TW 2,5-10 BU	blue	50	1,5 mm	PA 6.6 V2	SL 4/32|SL 10|SL 10/32|FF 2,5| SF 2,5-4
2002.3	TW 2,5-10 OG	orange	50	1,5 mm	PA 6.6 V2	SRK 2,5/2A | SSL 2,5/2A | SRK 4/2A | SSL 4/2A |
2002.1	TW 2,5-10 GN	green	50	1,5 mm	PA 6.6 V2	SRK 6/2A | SSL 6/2A | SRK 10/2A | SSL 10/2A
2105.2	TW 16 BG	beige	20	1,5 mm	PA 6.6 V2	RK 16
2105.5	TW 16 BU	blue	20	1,5 mm	PA 6.6 V2	
2117.2	TW 35 BG	beige	20	1,5 mm	PA 6.6 V2	RK 35
2117.5	TW 35 BU	blue	20	1,5 mm	PA 6.6 V2	
2426.2	TW 2,5 BG	beige	50	1,5 mm	PA 6.6 V2	SRK 2,5
2428.2	TW 2,5/15 BG	beige	50	1,5 mm	PA 6.6 V2	SRK 2,5/15
2379.0	TW 71 BG	beige	1	2 mm	PA 6.6 V2	HSK 70/35 B/B | HSK 95/35 B/B
2380.0	TW 97 BG	beige	1	2 mm	PA 6.6 V2	HSK 70 B | HSK 95 B | HSK 150/35 B/B | HSK 240/35 B/B
1178.0	TW 138 BG	beige	1	2 mm	PA 6.6 V2	HSK 150 B | HSK 240 B
17018.2	TW 16-120 BG	beige	20	2 mm	PA 6.6 V0	HSK 16/M5 B | HSK 35/M6 B | HSK 50/M8 B | HSK 120/M10 B | HSK 120/M12 B
17022.2	TW 35-120/B/B BG	beige	20	2 mm	PA 6.6 V0	HSK 120/M10 B | HSK 120/M12 B | HSK 35/M6 B/B | HSK 50/M8 B/B | HSK 120/M10 B/B

Insulation plate TRS

When using cross-connections, insulation plates are used for certain terminal types in order to maintain the required creepage and clearance distances. Insulation plates can retroactively be inserted between cross-connectors.

Insulation plate TRS

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
2003.2	TRS 1 BG	beige	100		PA 6.6 V2	RK 2,5-4|RK 6-10|RK 16|KBL 2,5-4|KBL 6-10 |PTK
2566.2	TRS 3 BG	beige	100		PA 6.6 V2	RK 1,5-4/15|KBL 1,5-4/15|RK 2,5|KBL 2,5|RK 1,5-4|KBL 1,5-4 RKD 2,5|KBLD 2,5|RKD 4|KBLD 4|DLIS 2,5|DLI 2,5

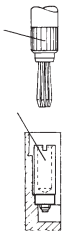
Connecting sleeves VBS

Connecting sleeves for coupling two or three hinged levers from the fuse-disconnect terminals **STK 2** and **SIK 10** or **SIK 10 Z** and **STKD1**. The **VBS** plastic sleeves are pushed on to the sides of the hinged lever. They form a mechanical connection to two-pole or three-pole units. This makes it possible to simultaneously disconnect multi-pole circuits.

Connecting sleeve VBS

Cat. no.	Type	Colour	Qty.	Width	Material	For terminal
2873.3	VBS 2/10 OG	orange	100	16 mm	PA 6.6 V2	SIK 10 | STK 2 / STKD1
2874.3	VBS 3/10 OG	orange	100	24 mm	PA 6.6 V3	SIK 10 | STK 2 / STKD1
2875.3	VBS 2/10/Z OG	orange	100	20 mm	PA 6.6 V4	SIK 10/Z
2876.3	VBS 3/10/Z OG	orange	100	30 mm	PA 6.6 V5	SIK 10/Z

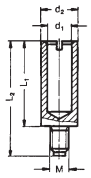
The **PS 2.3** and **PS 4** test plugs can be used with screw-connection terminals in cross-sections ranges 2.5 mm² to 10 mm². They allow you to connect to socket plugs and measure directly on the busbar of the corresponding terminal. In contrast to the **TA** test adapters, the **PS** test plugs do not mechanically lock with the terminal. The **ZS 2.3/4** adapter plug permits the conversion of a 4-mm Ø plug to a 2.3-mm Ø socket plug.

Test plug PS	PS 2.3	PS 4	ZS 2.3/4
			
Type			
Type/colour	PS 2.3	PS 4	ZS 2.3/4
Cat. no.	**2007.0**	**2051.0**	**2052.0**
	Qty. 20	Qty. 20	Qty. 10
When combined with socket plug			
	2075.0 STB 8.5/2.3		**2075.0** STB 8.5/2.3
	2006.0 STB 14/2.3	**2050.0** STB 14/4	**2006.0** STB 14/2.3
	2373.0 STB 6	**2127.0** STB 16/4	**2373.0** STB 6
	2374.0 STB 7		**2374.0** STB 7

Socket plugs STB

The **STB** socket plug are attached to the busbar or screwed onto the terminals in place of a terminal screw.
They are used for holding the **PS** test plugs.

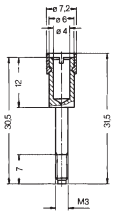
Socket plug STB



STB

Cat. no.	Type	Qty.	L1	L2	L3	L4	d1	d2	d3	M
2075.0	STB 8.5/2.3	50	8.5	11.5			2.3	4		2.5
2006.0	STB 14/2.3	50	14	17.5			2.3	5		3
2050.0	STB 14/4	50	14	19			4	6		3
2127.0	STB 16/4	50	16	23			4	7		4
2373.0	STB 6	50	6	11.5			2.3	4		3
2374.0	STB 7	100	7	14.5			2.3	4		3

Socket plug STB 30.5



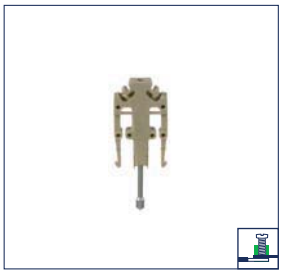
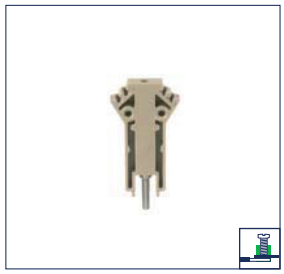
STB 30.5

Cat. no.	Type	Qty.	L1	L2	L3	L4	d1	d2	d3	M
2512.0	STB 30.5 BK	50	30.5	7	12	31.5	4	6	7.2	3
2513.0	STB 30.5 GR	50	30.5	7	12	31.5	4	6	7.2	3
2514.0	STB 30.5 BU	50	30.5	7	12	31.5	4	6	7.2	3
2515.0	STB 30.5 RD	50	30.5	7	12	31.5	4	6	7.2	3
2516.0	STB 30.5 GN	50	30.5	7	12	31.5	4	6	7.2	3
2517.0	STB 30.5 YE	50	30.5	7	12	31.5	4	6	7.2	3
2518.0	STB 30.5 VT	50	30.5	7	12	31.5	4	6	7.2	3

Test adapter TA/TAD

Test adapter TA

The **TA** test adapters can be assembled to any pole counts using the locking pegs. They can be used to test assembled terminal blocks in a quick and safe manner. Wires with cross-sections ranging from 0.5 mm² to 1.0 mm² can be crimped or soldered to the spring-loaded tracer pins. Depending on the version, the test adapters establish contact with the screw head, the cross-connection or the busbar. The test adapter sets consist of a housing, spring and tracer pin.

	TA 5/1N/Q	TA 5/1/ST	TA 5/1/Q
			
	Test adapter, can be mounted side-by-side	Test adapter, can be mounted side-by-side	Test adapter, can be mounted side-by-side
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	TA 5/1N/Q	TA 5/1/ST	TA 5/1/Q
Cat. no.	**2811.0** 10	**2812.0** 10	**2823.0** 10
Ratings			
Pitch, mm	5	5	5
Additional height for each terminal block, mm	23	35,5	35,5
Length, mm	31	37,3	37,3
Connection data			
Finely stranded, mm²	0.5 - 1	0.5 - 1	0.5 - 1
Stripping length, mm	5	5	5
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Type/colour	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	**4600.7** 339 500	**4600.7** 339 500	**4600.7** 339 500
For terminal	**Remarks**	**Remarks**	**Remarks**
	RK 2,5/35N/2Q	RK 2,5	RK 2,5 With cross-connection Q

Test adapter TAD

An end plate is also included with the **TAD** versions. All of the test adapters can be labelled using the **PMC** quick marking system.

	TAD 5/1-S	TAD 6/1-S	
	Test adapter, can be mounted side-by-side	Test adapter, can be mounted side-by-side	
Type	**Qty.**	**Qty.**	
Type/colour	TAD 5/1/S	TAD 6/1/S	
Cat. no.	**2821.0** 10	**2822.0** 10	
Ratings			
Pitch, mm	5.1	6.1	
Additional height for each terminal block, mm	0.13 - 0.2	0.25 - 0.5	
Length, mm	77.7	77.7	
Connection data			
Finely stranded, mm²	0.5 - 1	0.5 - 1	
Stripping length, mm	5	5	
Accessories	**Page Qty.**	**Page Qty.**	
Type/colour	PMC SB 5/50 WH	PMC SB 6/50 WH	
Cat. no.	**4600.7** 339 500	**4702.7** 340 500	
For terminal	**Remarks**	**Remarks**	
	RKD 2,5	RKD 4	

TA 6/1/ST

Test adapter, can be mounted side-by-side

Qty.

TA 6/1/ST
2813.0 10

6
35.5
37.3

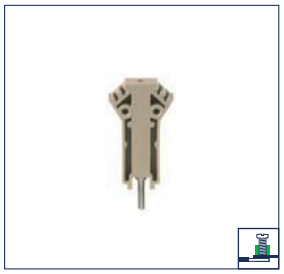
0.5 - 1
5

	Page	Qty.
PMC SB 6/50 WH		
4702.7	340	500

Remarks

RK 2,5 - 4

TA 6/1/Q



Test adapter, can be mounted side-by-side

Qty.

TA 6/1/Q
2824.0 10

6
35.5
37.3

0.5 - 1
5

	Page	Qty.
PMC SB 6/50 WH		
4702.7	340	500

Remarks

RK 2,5 - 4 With cross-connection Q

TA 8/1/ST

Test adapter, can be mounted side-by-side

Qty.

TA 8/1/ST
2817.0 10

8
35.5
37.3

0.5 - 1
5

	Page	Qty.
PMC SB 6/50 WH		
4702.7	340	500

Remarks

RK 6 - 10

TA 8/1/Q

Test adapter, can be mounted side-by-side

Qty.

TA 8/1/Q
2837.0 10

8
35.5
37.3

0.5 - 1
5

	Page	Qty.
PMC SB 6/50 WH		
4702.7	340	500

Remarks

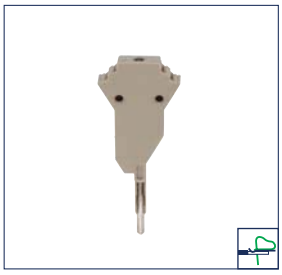
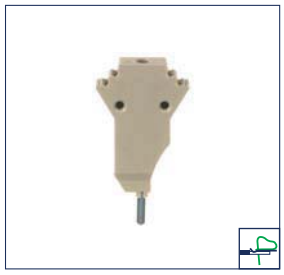
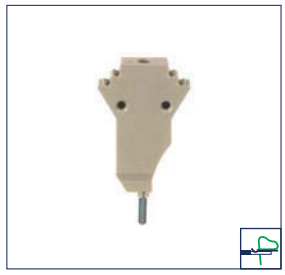
RK 6 - 10 With cross-connection Q

Test adapter ZTA | Reducing sleeve ZRH

Test adapter ZTA

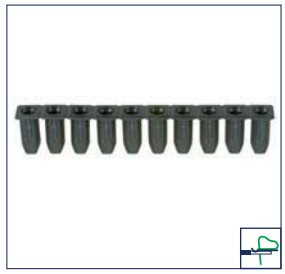
The **ZTA** test adapters can be assembled to any pole counts using the locking pegs. They can be used to test assembled terminal block strips in a quick and safe manner.

Wire cross-sections ranging from 0.5 mm² to 1.0 mm² can be connected. Each tension-clamp terminal has a corresponding test point for establishing contact to the potential voltage on the busbar.

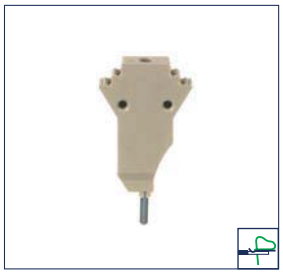
	ZTA 1,5	ZTA 2.5	ZTA 4
			
	Test adapter, can be mounted side-by-side	Test adapter, can be mounted side-by-side	Test adapter, can be mounted side-by-side
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	ZTA 1,5	ZTA 2,5	ZTA 4
Cat. no.	**17034.2** 10	**3740.2** 10	**3741.2** 10
Ratings			
Pitch, mm	5.1	5.1	6.1
Additional height for each terminal block, mm	31	31	31
Length, mm	32.3	32,3	32.3
Connection data			
Finely stranded, mm²	0.5 - 1	0.5 - 1	0.5 - 1
Stripping length, mm	5	5	5
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Type/colour	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 6/50 WH
Cat. no.	**4600.7** 339 500	**4600.7** 339 500	**4702.7** 340 500
For terminal	**Remarks**	**Remarks**	**Remarks**
	ZIZA 1.5...	ZSRK 2,5... ZSLN 2,5... ZRK 2,5... ZSL 2,5... ZRKD 2,5... ZSLD 2,5... ZIKD 2,5... ZTRK 2,5... ZVMAK 2,5...	ZRK 4... ZSL 4...

Reducing sleeves ZRH

CONTA-CLIP offers reducing sleeves for cross-sections of 2.5 mm² and 4 mm². This ensures that small wires are properly positioned in their terminal points without any splicing off of individual strands. A professional and proper contact in ensured when the reducing sleeves are attached prior to the connection.

	ZRH 2,5	ZRH 2,5	ZRH 2,5
			
	for wires from 0.13 - 0.2 mm²	for wires from 0.25 - 0.5 mm²	for wires from 0.75 - 1.0 mm²
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	ZRH 2,5/0,13-0,2 WH	ZRH 2,5/0,25-0.5 GR	ZRH 2.5/0,75-1,0 BK
Cat. no.	**3750.7** 1000	**3751.6** 1000	**3752.4** 1000
Ratings			
Pitch, mm	5.1	5.1	5.1
Cross-section range, mm²	0.13 - 0.2	0.25 - 0.5	0.75 - 1
Connection data			
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Type/colour			
Cat. no.			
For terminal	**Remarks**	**Remarks**	**Remarks**
	ZSRK 2,5... ZSLN 2,5... ZRK 2,5... ZSL 2,5... ZRKD 2,5... ZSLD 2,5... ZIKD 2,5... ZTRK 2,5... ZVMAK 2,5... ZIZA 1,5...	ZSRK 2,5... ZSLN 2,5... ZRK 2,5... ZSL 2,5... ZRKD 2,5... ZSLD 2,5... ZIKD 2,5... ZTRK 2,5... ZVMAK 2,5... ZIZA 1,5...	ZSRK 2,5... ZSLN 2,5... ZRK 2,5... ZSL 2,5... ZRKD 2,5... ZSLD 2,5... ZIKD 2,5... ZTRK 2,5... ZVMAK 2,5... ZIZA 1,5...

ZTA 6



Test adapter, can be mounted side-by-side

Qty.

ZTA 6
3772.2 10

8.1
31
32.3

0.5 - 1
5

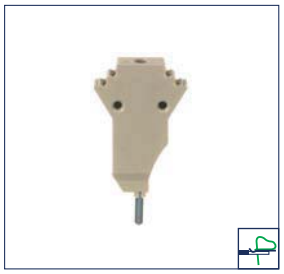
Page Qty.

PMC SB 6/50 WH
4702.7 340 500

Remarks

ZRK 6...
ZSL 6...

ZTA 10



Test adapter, can be mounted side-by-side

Qty.

ZTA 10
3790.2 10

10.1
31
32.3

0.5 - 1
5

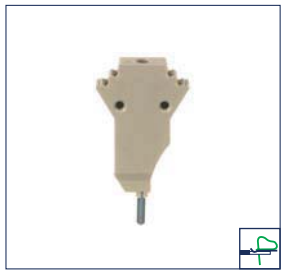
Page Qty.

PMC SB 6/50 WH
4702.7 340 500

Remarks

ZRK 10...
ZSL 10...

ZTA 16



Test adapter, can be mounted side-by-side

Qty.

ZTA 16
3810.2 10

12
31
32.3

0.5 - 1
5

Page Qty.

PMC SB 6/50 WH
4702.7 340 500

Remarks

ZRK 16...
ZSL 16...

Test plug PS

The **PS 2.3** test plugs allow you to make a direct measurement on the test point of the corresponding terminal when working with tension-spring terminals with cross-sections ranging from 2.5 and 4.0 mm².
In contrast to the **ZTA**, the **PS test plug** does not snap in mechanically with the terminal.

PS 2.3

Test plug

Qty.

PS 2.3
2007.0 20

5.2
22
32

0.5 - 1
5

Page Qty.

Remarks

ZSRK 2,5...
ZSLN 2,5...
ZRK 2,5...
ZSL 2,5...
ZRKD 2,5...
ZSLD 2,5...
ZIKD 2,5...
ZTRK 2,5...
ZVMAK 2,5...
ZIZA 1.5...
ZRK 4...
ZSL 4...

ZRH 4

for wires from 0.13 - 0.2 mm²

Qty.

ZRH 4/0,13-0,2 WH
3753.7 100

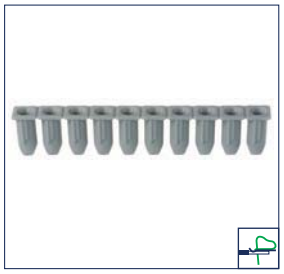
6.1
0.13 - 0.2

Page Qty.

Remarks

ZRK 4...
ZSL 4...

ZRH 4



for wires from 0.25 - 0.5 mm²

Qty.

ZRH 4/0,25-0.5 GR
3754.6 1000

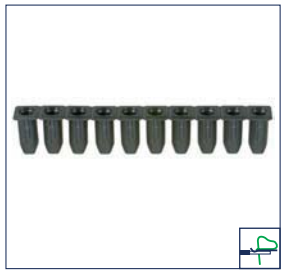
6.1
0.25 - 0.5

Page Qty.

Remarks

ZRK 4...
ZSL 4...

ZRH 4



for wires from 0.75 - 1.0 mm²

Qty.

ZRH 4/0,75-1,0 BK
3755.4 1000

6.1
0.75 - 1.0

Page Qty.

Remarks

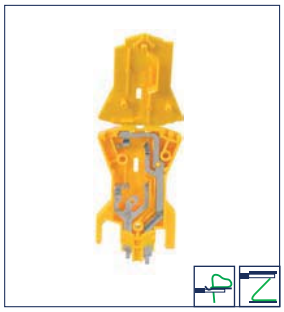
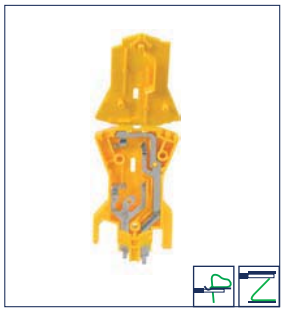
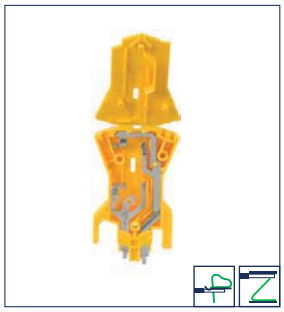
ZRK 4...
ZSL 4...

GENERAL ACCESSORIES

Fuse holder ZS

Fuse holder ZS/.../.../ZTRK

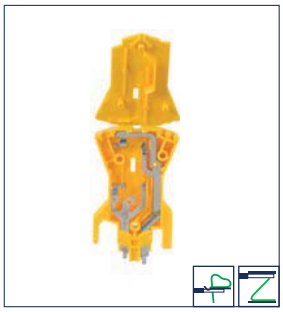
The pluggable **ZS/.../.../ZTRK** fuse holders are available as versions with or without a status display. When combined with the **FTRK 2,5** and **ZTRK 2,5** base terminals, they provide great flexibility and simple handling.

	ZS/H0/ZTR	ZS/H1/ZTR/36	ZS/H2/ZTR/70
			
	Fuse holders without status display	Fuse holders 10-36 V with status display	Fuse holders 35-70 V with status display
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	ZS/H0/ZTR	ZS/H1/ZTR/36	ZS/H2/ZTR/70
Cat. no.	**3635.2** 20	**3631.2** 20	**3632.2** 20
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available			
Ratings			
Pitch, mm	5.1	5.1	5.1
Rated voltage, V	0 - 400	10 - 36	35 - 70
Rated current, A	6.3	6.3	6.3
Residual current via LED, mA	-	<5	<5
Max. power loss on fuse, mA	1.6	1.6	1.6
Connection data			
Fuse size	5 x 20	5 x 20	5 x 20
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Type/colour	PMC SB 5/50 WH	PMC SB 5/50 WH	PMC SB 5/50 WH
Cat. no.	**4600.7** 339 500	**4600.7** 339 500	**4600.7** 339 500
For terminal	**Remarks**	**Remarks**	**Remarks**
	ZTRK 2,5... FTRK 2,5...	ZTRK 2,5... FTRK 2,5...	ZTRK 2,5... FTRK 2,5...

Coding on fuses

Cat. no.	Type	Colour	Qty.	For terminal
3170.5	CS 0.5 A BU	blue	100	ZTRK 2,5/...OT
3170.4	CS 1 A BK	black	100	ZTRK 2,5/...OT
3170.3	CS 2 A GR	grey	100	ZTRK 2,5/...OT
3170.0	CS 3 A VT	violet	100	ZTRK 2,5/...OT
3170.7	CS 4 A PI	pink	100	ZTRK 2,5/...OT
3170.2	CS 5 A LB	bright	100	ZTRK 2,5/...OT
3170.6	CS 7.5 A BN	brown	100	ZTRK 2,5/...OT
3170.9	CS 10 A RD	brown	100	ZTRK 2,5/...OT
3170.8	CS 20 A YE	red	100	ZTRK 2,5/...OT
3170.1	CS 15 A CY	yellow	100	ZTRK 2,5/...OT

ZS/H3/ZTR/150



Fuse holders
60-150 V with status display

Qty.

ZS/H3/ZTR/150
3633.2 20

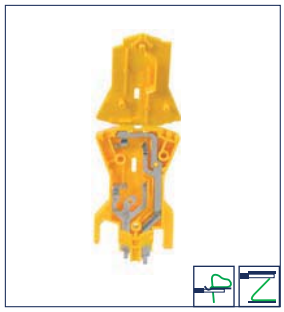
5.1
60 - 150
6.3
<5
1.6

5 x 20

Page Qty.
PMC SB 5/50 WH
4600.7 339 500

Remarks
ZTRK 2,5...
FTRK 2,5...

ZS/H4/ZTR/250



Fuse holders
140-250 V with status display

Qty.

ZS/H4/ZTR/250
3634.2 20

5.1
140 - 250
6.3
<5
1.6

5 x 20

Page Qty.
PMC SB 5/50 WH
4600.7 339 500

Remarks
ZTRK 2,5...
FTRK 2,5...

Disconnect plug

The established disconnect-plug system has a high-quality surfaces and thus minimal contact resistance. This ensures precise, unbiased measurement readings. A variety of components can be soldered into an unpopulated test plug.

ZDS.../ZTR

Disconnect plug

Qty.

ZDS 1/ZTR
3612.2 20
Disconnect-plug with wire jumper

ZDS 2/ZTR
3613.2 20
Disconnect plug with diode

ZDS 3/ZTR
3614.2 20
Disconnect plug with diode

ZDS 4/ZTR
3615.2 20
Unpopulated disconnect plug

5.1
400
15

Soldered diode 1N4007
Reverse voltage 1000V / Current 1A

Page Qty.
PMC SB 5/50 WH
4600.7 339 500

Remarks
ZTRK 2,5...
FTRK 2,5...

DS

Disconnect plug

Qty.

DS 1/TRK 1,5 YE
1400.2 1
Disconnect-plug with wire jumper

DS 2/TRK 1,5 YE
1401.2 1
Disconnect plug with diode

DS 3/TRK 1,5 YE
1402.2 1
Disconnect plug with diode

DS 4/TRK 1,5 YE
1403.2 1
Unpopulated disconnect plug

6
400
15

Soldered diode 1N4007
Reverse voltage 1000V / Current 1A

Page Qty.
PMC SB 6/50 WH
4702.7 340 500

Remarks
TRK 1,5...

SI fuses

Micro-fuses/G-fuse cartridges 5 x 20 metric 250 V / slow-acting

Construction:
- Transparent glass tube
- Nickel-plated brass contact caps
- IEC 60127-2/2
- EN 60127-2/2
- DIN VDE 0820-2/2

Melting time limits

Rated current	1.5 x In min.	2.1 x In max.	2.75 x In min.	2.75 x In max.	4 x In min.	4 x In max.	10 x In min.	10 x In max.
32 - 100 mA	1 h	2 min.	200 ms	10 s	40 ms	3 s	10 ms	300 s
125 mA - 10 A	1 h	2 min.	600 ms	10 s	150 ms	3 s	20 ms	300 s

Type	Cat. no.	Rated current, mA/A	Rated switch-off cap. A AC	Voltage drop mV	Power loss, W	Melting integral A²s	Qty.
SI 5x20 0.032 A	**2912.0**	32 mA	35 'L'	3000	0.2	0.010	10
SI 5x20 0.040 A	**2913.0**	40 mA	35 'L'	2000	0.2	0.020	10
SI 5x20 0.050 A	**2914.0**	50 mA	35 'L'	1500	0.2	0.035	10
SI 5x20 0.063 A	**2915.0**	63 mA	35 'L'	1000	0.2	0.05	10
SI 5x20 0.080 A	**2916.0**	80 mA	35 'L'	800	0.2	0.12	10
SI 5x20 0.100 A	**2917.0**	100 mA	35 'L'	700	0.3	0.16	10
SI 5x20 0.125 A	**2918.0**	125 mA	35 'L'	600	0.3	0.24	10
SI 5x20 0.160 A	**2919.0**	160 mA	35 'L'	600	0.3	0.4	10
SI 5x20 0.200 A	**2920.0**	200 mA	35 'L'	500	0.3	0.7	10
SI 5x20 0.250 A	**2921.0**	250 mA	35 'L'	400	0.2	1.4	10
SI 5x20 0.315 A	**2922.0**	315 mA	35 'L'	140	0.2	0.35	10
SI 5x20 0.400 A	**2923.0**	400 mA	35 'L'	130	0.2	0.49	10
SI 5x20 0.500 A	**2924.0**	500 mA	35 'L'	120	0.2	0.9	10
SI 5x20 0.630 A	**2925.0**	630 mA	35 'L'	110	0.2	1.4	10
SI 5x20 0.800 A	**2926.0**	800 mA	35 'L'	100	0.3	3.2	10
SI 5x20 1.000 A	**2927.0**	1 A	35 'L'	90	0.3	6.5	10
SI 5x20 1.250 A	**2928.0**	1.25 A	35 'L'	80	0.3	5.0	10
SI 5x20 1.600 A	**2929.0**	1.6 A	35 'L'	80	0.4	10	10
SI 5x20 2.000 A	**2930.0**	2 A	35 'L'	80	0.5	20	10
SI 5x20 2.500 A	**2931.0**	2.5 A	35 'L'	80	0.6	26	10
SI 5x20 3.150 A	**2932.0**	3.15 A	35 'L'	80	0.6	44	10
SI 5x20 4.000 A	**2933.0**	4 A	40 'L'	80	0.8	72	10
SI 5x20 5.000 A	**2934.0**	5 A	50 'L'	80	1.2	130	10
SI 5x20 6.300 A	**2935.0**	6.3 A	63 'L'	70	1.3	230	10
SI 5x20 8.000 A	**2936.0**	8 A	80 'L'	70	1.8	240	10
SI 5x20 10.00 A	**2937.0**	10 A	100 'L'	70	2.4	380	10

Micro-fuses/G-fuse cartridges 5 x 20 metric 250 V / fast-acting

Construction:
- Transparent glass tube
- Nickel-plated brass contact caps
- IEC 60127-2/2
- EN 60127-2/2
- DIN VDE 0820-2/2

Melting time limits

Rated current	1.5 x In min.	2.1 x In max.	2.75 x In min.	2.75 x In max.	4 x In min.	4 x In max.	10 x In min.	10 x In max.
32 - 100 mA	1 h	30 min.	10 ms	500 ms	3 ms	100 ms	-	300 s
125mA - 10 A	1 h	30 min.	50 ms	2 s	10 ms	300 ms	-	300 s
8-10 A	1h	30 min.	50 ms	2 s	10 ms	400 ms	-	300 s

Type	Cat. no.	Rated current, mA/A	Rated switch-off cap. A AC	Voltage drop mV	Power loss, W	Melting integral A²s	Qty.
SI 5x20 0,032 A	**2891.0**	32 mA	35 'L'	10000	0.8	0.0001	10
SI 5x20 0,040 A	**2892.0**	40 mA	35 'L'	8000	0.8	0.0002	10
SI 5x20 0,050 A	**2893.0**	50 mA	35 'L'	3500	0.4	0.0004	10
SI 5x20 0,063 A	**2894.0**	63 mA	35 'L'	3500	0.5	0.0007	10
SI 5x20 0,080 A	**2895.0**	80 mA	35 'L'	2500	0.5	0.0017	10
SI 5x20 0,100 A	**2896.0**	100 mA	35 'L'	2200	0.6	0.0022	10
SI 5x20 0,125 A	**2897.0**	125 mA	35 'L'	350	0.2	0.01	10
SI 5x20 0,160 A	**2898.0**	160 mA	35 'L'	310	0.2	0.02	10
SI 5x20 0,200 A	**2899.0**	200 mA	35 'L'	290	0.2	0.037	10
SI 5x20 0,250 A	**2900.0**	250 mA	35 'L'	280	0.3	0.073	10
SI 5x20 0,315 A	**2901.0**	315 mA	35 'L'	230	0.3	0.16	10
SI 5x20 0,400 A	**2902.0**	400 mA	35 'L'	200	0.3	0.31	10
SI 5x20 0.500 A	**2903.0**	500 mA	35 'L'	160	0.3	0.16	10
SI 5x20 0,630 A	**2904.0**	630 mA	35 'L'	140	0.3	0.39	10
SI 5x20 0,800 A	**2905.0**	800 mA	35 'L'	130	0.4	0.8	10
SI 5x20 1,000 A	**2406.0**	1 A	35 'L'	130	0.5	1.5	10
SI 5x20 1,250 A	**2906.0**	1.25 A	35 'L'	120	0.6	2.0	10
SI 5x20 1,600 A	**2907.0**	1.6 A	35 'L'	120	0.7	4.1	10
SI 5x20 2,000 A	**2407.0**	2 A	35 'L'	120	0.9	6.2	10
SI 5x20 2,500 A	**2908.0**	2.5 A	35 'L'	120	1.0	11	10
SI 5x20 3,150 A	**2909.0**	3.15 A	35 'L'	120	1.2	20	10
SI 5x20 4,000 A	**2408.0**	4 A	40 'L'	100	1.4	25	10
SI 5x20 5,000 A	**2938.0**	5 A	50 'L'	100	1.7	42	10
SI 5x20 6,300 A	**2409.0**	6.3 A	63 'L'	100	2.0	79	10
SI 5x20 8,000 A	**2910.0**	8 A	80 'L'	100	2.2	125	10
SI 5x20 10,00 A	**2911.0**	10 A	100 'L'	100	2.4	220	10

Micro-fuses/G-fuse cartridges 6.3 x 32 imperial 250 V / 400 V /500 V / slow-acting

Construction:
- Ceramic tube
- Nickel-plated copper contact caps

Melting time limits

Rated current	1.5 x In min.	2.1 x In max.	2.75 x In min.	2.75 x In max.	4 x In min.	4 x In max.	10 x In min.	10 x In max.
32 - 100 mA	1 h	30 min.	400 ms	80 s	95 ms	5 s	10 ms	300 s
125 mA - 10 A	1 h	30 min.	400 ms	80 s	150 ms	5 s	20 ms	300 s

Type	Cat. no.	Rated current. mA/A	Rated switch-off cap. A AC	Voltage drop, mV	Power loss W	Melting integral A^2s	Qty.
SI 6,3x32 0,100 A/32 T	**4950.0**	100 mA		3600	1.3	0.050	10
SI 6,3x32 0,125 A/32 T	**4951.0**	125 mA		3400	1.4	0.080	10
SI 6,3x32 0,160 A/32 T	**4952.0**	160 mA		3000	1.5	0.12	10
SI 6,3x32 0,200 A/32 T	**4953.0**	200 mA	1,5 kA	2500	1.60	0.20	10
SI 6,3x32 0,250 A/32 T	**4954.0**	250 mA		2000	1.7	0.35	10
SI 6,3x32 0,315 A/32 T	**4955.0**	315 mA	@ 500 V AC	1800	1.8	0.50	10
SI 6,3x32 0,400 A/32 T	**4956.0**	400 mA		1600	2.0	0.80	10
SI 6,3x32 0.500 A/32 T	**4957.0**	500 mA	cos φ = 1	450	0.6	0.35	10
SI 6,3x32 0,630 A/32 T	**4958.0**	630 mA		400	0.7	0.49	10
SI 6,3x32 0,800 A/32 T	**4959.0**	800 mA		350	0.80	0.9	10
SI 6,3x32 1,000 A/32 T	**4960.0**	1 A		350	0.9	1.4	10
SI 6,3x32 1,250 A/32 T	**4961.0**	1.25 A	10 kA @ 400 V AC	300	1.0	3.2	10
SI 6,3x32 1,600 A/32 T	**4962.0**	1.6 A		200	1.1	5.2	10
SI 6,3x32 2,000 A/32 T	**4963.0**	2 A	cos φ = 0.3	180	1.2	10	10
SI 6,3x32 2,500 A/32 T	**4964.0**	2.5 A		160	1.3	19	10
SI 6,3x32 3,150 A/32 T	**4965.0**	3.15 A		150	1.4	37	10
SI 6,3x32 4,000 A/32 T	**4966.0**	4 A		140	1.5	68.0	10
SI 6,3x32 5,000 A/32 T	**4967.0**	5 A		135	2.2	80	10
SI 6,3x32 6,300 A/32 T	**4968.0**	6.3 A		110	2.2	215	10
SI 6,3x32 8,000 A/32 T	**4969.0**	8 A		110	2.6	370	10
SI 6,3x32 10,000 A/32 T	**4970.0**	10 A		100	3.0	620	10

Micro-fuses/G-fuse cartridges 6.3 x 32 imperial 440 V / 500V / fast-acting

Construction:
- Ceramic tube
- Nickel-plated brass contact caps

Melting time limits

Rated current	1.5 x In min.	2.1 x In max.	2.75 x In min.	2.75 x In max.	4 x In min.	4 x In max.	10 x In min.	10 x In max.
160 - 800 mA	1 h	30 min.	20 ms	1.5 s	8 ms	400 ms	-	20 s
1 - 25 A	1 h	30 min.	100 ms	5 s	20 ms	1 s	-	50 s

When using these G-fuse cartridges with 6.3 A or higher, you must ensure that there is sufficient heat dissipation!

Type	Cat. no.	Rated current. mA/A	Rated switch-off cap. A AC	Voltage drop mV	Power loss W	Melting integral A^2s	Qty.
SI 6,3x32 0,160 A/32 F	**4971.0**	160 mA		7000	2.5	0.0015	10
SI 6,3x32 0,200 A/32 F	**4972.0**	200 mA		6500	2.9	0.0035	10
SI 6,3x32 0,250 A/32 F	**4973.0**	250 mA		6000	3.4	0.0085	10
SI 6,3x32 0,315 A/32 F	**4974.0**	315 mA	1,5 kA	1000	0.90	0.036	10
SI 6,3x32 0,400 A/32 F	**4975.0**	400 mA	@ 500 V AC	900	1	0.07	10
SI 6,3x32 0.500 A/32 F	**4976.0**	500 mA	cos φ = 1	800	1.1	0.19	10
SI 6,3x32 0,630 A/32 F	**4977.0**	630 mA		700	1.3	0.35	10
SI 6,3x32 0,800 A/32 F	**4978.0**	800 mA		600	1.4	0.49	10
SI 6,3x32 1,000 A/32 F	**4979.0**	1 A		400	1.2	0.4	10
SI 6,3x32 1,250 A/32 F	**4980.0**	1.25 A	50 kA	300	1.30	0.8	10
SI 6,3x32 1,600 A/32 F	**4981.0**	1.6 A	@ 500 V AC	300	1.4	1.5	10
SI 6,3x32 2,000 A/32 F	**4982.0**	2 A	cos φ = 1	280	1.6	2.5	10
SI 6,3x32 2,500 A/32 F	**4983.0**	2.5 A		260	1.8	5	10
SI 6,3x32 3,150 A/32 F	**4984.0**	3.15 A		240	2.3	9	10
SI 6,3x32 4,000 A/32 F	**4985.0**	4 A	20 kA	220	2.6	18	10
SI 6,3x32 5,000 A/32 F	**4986.0**	5 A	@ 500 V AC	190	2.9	40	10
SI 6,3x32 6,300 A/32 F	**4987.0**	6.3 A		170	3.2	80	10
SI 6,3x32 8,000 A/32 F	**4988.0**	8 A	1,5 kA	160	3.7	150	10
SI 6,3x32 10,000 A/32 F	**4989.0**	10 A	@ 500 V AC	150	4.0	240	10

Motor vehicle fuses

Construction:
- Plastic body with 2 contact pins
- DIN 72581-3C
- Colour-coded amp values

Note:
- Spade fuses can only be run (the long-term load) with 80% of the fuse's rated current. Be sure to take the derating curve into consideration!
- The fuse may not be inserted or taken out while under load.
- You should use the largest wire section possible so that the thermal power loss of the fuse can be effectively discharged.
- Rated voltage 32 V DC

Type	Cat. no.	Colour code	Rated current	Voltage drop mV	Qty.
SI C 0.500 A/32V	**4990.0**	blue	0.5	300	100
SI C 1.000 A/32V	**4991.0**	black	1.0	130	100
SI C 2,000 A/32V	**4992.0**	grey	2.0	120	100
SI C 3,000 A/32V	**4993.0**	violet	3.0	100	100
SI C 4,000 A/32V	**4994.0**	pink	4.0	100	100
SI C 5,000 A/32V	**4995.0**	bright brown	5.0	120	100
SI C 7,500 A/32V	**4996.0**	brown	7.5	112	100
SI C 10,000 A/32V	**4997.0**	red	10	85	100
SI C 15,000 A/32V	**4998.0**	Cyan	15	85	100
SI C 20,000 A/32V	**4999.0**	yellow	20	80	100

Specific accessories, test-disconnect terminals PTK

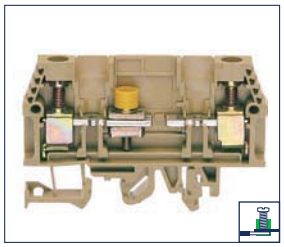
Test-disconnect terminals PTK

Test-disconnect terminals are mostly used in the sectors of electricity generation and supply.
They are tailored to the variety of switching demands for current-converter secondary circuits that predominate in these sectors.

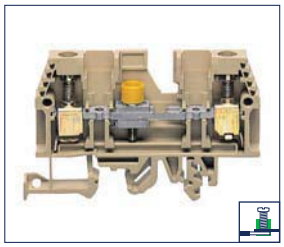
CONTA-CLIP test-disconnect terminals are available in the following three basic versions, each with or without pre-assembled STB socket plugs

All versions provide touch-safety protection in compliance with VBG 4. A captive sliding partition is used to separate the current and voltage paths. The current switch position is always easy to detect since the disconnect screw has a yellow insulating sleeve. Sockets plugs for a test tap can be attached to all versions using the **PS 4** test plug.

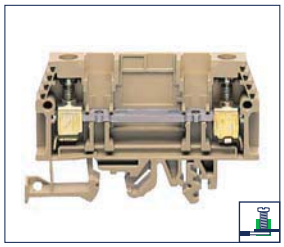
1130.2 PTK 10/LT
can be separated lengthwise



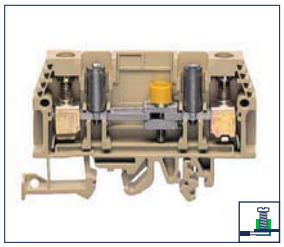
1132.2 PTK 10/QT
can be separated perpendicularly



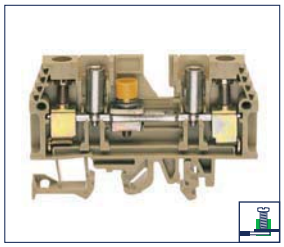
1134.2 PTK/10/DU
Feed-through terminal



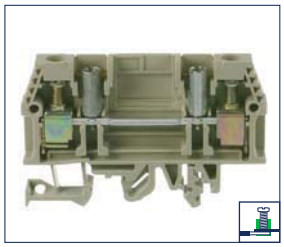
1131.2 PTK 10/LT/STB
can be separated lengthwise with STB



1133.2 PTK 10/QT/STB
can be separated perpendicularly with STB



1135.2 PTK 10/DU/STB
Feed-through terminal with STB



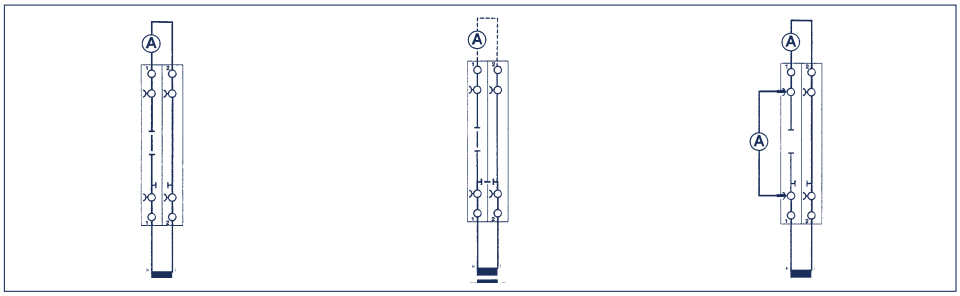
Examples of basic circuits using PTK disconnect terminals

Current transformers must always have a secondary circuit when electricity meters and measuring instruments are being replaced, or when making comparative measurements. Otherwise they could be destroyed by “ramping up”.

Measuring current using a current transformer | **Operations** | **Swapping the measuring device** | **Testing the measuring device**

Required products

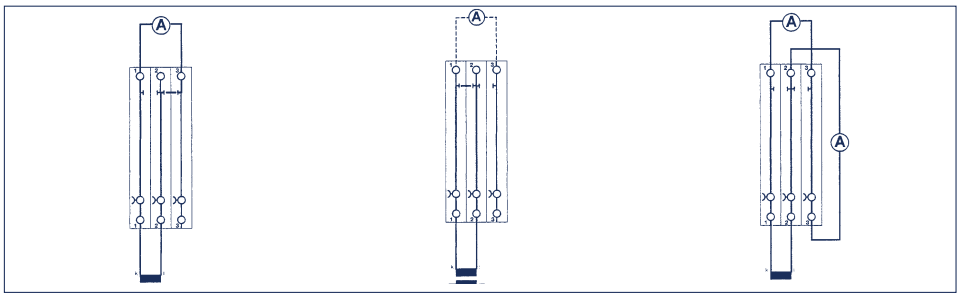
Type	Cat. no.	Quantity
PTK 10/LT	**1130.2**	1
PTK 10/DU	**1134.2**	1
AP/L/Q/D	**2782.2**	1
STB 14/4	**2050.0**	2
QVS 2	**2197.0**	1
VH 19	**2238.0**	2
STB 35	**2244.0**	2



Measuring current using a current transformer | **Operations** | **Swapping the measuring device** | **Testing the measuring device**

Required products

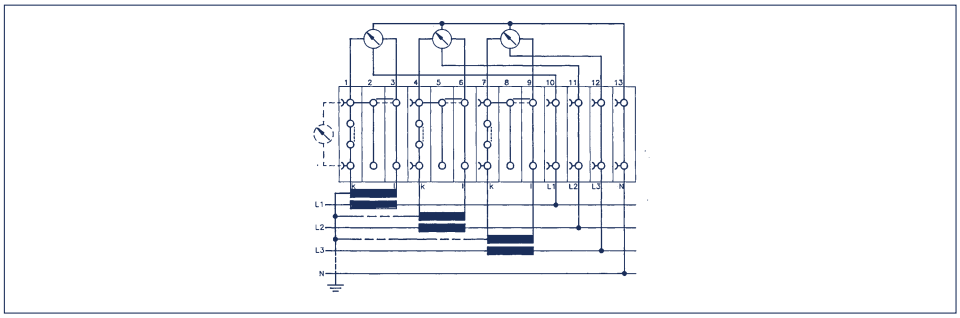
Type	Cat. no.	Quantity
PTK 10/QT	**1132.2**	3
AP/L/Q/D	**2782.2**	1
STB 14/4	**2050.0**	3
QSB 3	**2784.0**	1



PTK terminal block for three-phase metering: the PTK enables meter testing, comparative measurements, and replacement of individual meters

Required products

Type	Cat. no.	Quantity
PTK 10/LT	**1130.2**	3
PTK 10/QT	**1132.2**	6
PTK 10/DU	**1134.2**	4
AL/L/Q/D	**2782.2**	1
STB 14/4	**2050.0**	11
STB 30.5	**2512.0**	3
QS 2	**2055.0**	3
VH 12	**2059.0**	6
BS M 3x20	**2018.0**	3
QSB 2	**2783.0**	3



Cross-switches

The **VH 19** connecting sleeves and the **BS 25** screws or the **STB 35** socket plugs are required for fastening the **QVS** cross-switch bridge. The screws and socket plugs are available with or without coloured labelling. When opened, the **QVS** slider and the screws for the wire connection are not accessible. Thus it is not possible to accidentally unclamp the measuring instrument.

Cross-switches	QI	QSB	QVS	VH 19
	Insulated cross-connector	Internal cross-switch bridge	Cross-switch bridge	Connecting sleeve
Type	**Qty.**	**Qty.**	**Qty.**	**Qty.**
Type	QI 2 YE	QSB 2	QVS 2	VH 19
Cat. no.	**2750.2** 50	**2783.0** 20	**2197.0** 20	**2238.0** 50
Type	QI 3 YE	QSB 3	QVS 3	
Cat. no.	**2751.2** 50	**2784.0** 20	**2198.0** 20	
Type	QI 4 YE	QSB 4	QVS 4	
Cat. no.	**2752.2** 50	**2785.0** 20	**2199.0** 20	
Type	QI 10 YE			
Cat. no.	**2753.2** 10			

Socket plugs

The **STB 35** socket plugs are used in the test-disconnect terminals for holding the **PS 4** test plug or the **KSS 2-8** short-circuit plug. The **STB 35** socket plugs can also be used when you need to test at the same time that a **QVS** is attached. The **STB 14/4** socket plugs can be screwed into the cross-connection channel. The are used to hold the **PS 4** test plugs or the **KSS 2-8** short-circuit plugs.

Socket plugs	STB 35	STB 14/4	BS25	BS25
	Socket plug	Socket plug	Mounting screw	Mounting screw
Type	**Qty.**	**Qty.**	**Qty.**	**Qty.**
Type	STB 35 YE	STB 14/4	BS 25 YE	BS 25 without cap
Cat. no.	**2244.0** 50	**2050.0** 50	**2241.0** 50	**2240.0** 50
Type	STB 35 GN		BS 25 GN	
Cat. no.	**2245.0** 50		**2242.0** 50	
Type	STB 35 VT		BS 25 VT	
Cat. no.	**2249.0** 50		**2243.0** 50	
Type				
Cat. no.				

Test plugs / Short-circuit plugs

The **PS 4** test plugs are used for the final testing of already-wired test circuits. A cross-connection between two **PTK** terminals can be established with the **KSS 2-8** short-circuit plug.

Test plugs	PS 4	KSS 2-8		
	Test plug	Short-circuit plug		
Type	**Qty.**	**Qty.**		
Type	PS 4	KSS 2-8		
Cat. no.	**2051.0** 20	**2886.0** 10		
Type				
Cat. no.				
Type				
Cat. no.				
Type				
Cat. no.				

Actuating tools BWMA/BW

Actuating tool BWMA/BW	BWMA 1 (0.5 x 2.5)	BWMA 1 (0.5 x 3.5)	BW...(ZRK)
The spring terminals with 2.5-mm² cross-section can be operated using the **BW 1** to **BW 10** tools and the **BWMA** metallic tool. The special **BW** tools allow you to open multiple terminal points simultaneously. The plastic actuating tool features improved safety when working on running facility sections.			
	Metal actuating tool	Metal actuating tool	Plastic actuating tool
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	BWMA 1 (0.5x2.5)	BWMA 1 (0.5x3.5)	BW 1 (ZRK)
Cat. no.	**3841.0** 1	**3808.0** 1	**3778.0** 1 poles 1
Type/colour			BW 2 (ZRK)
Cat. no.			**3779.0** 2 poles 1
Type/colour			BW 3 (ZRK)
Cat. no.			**3780.0** 3 poles 1
Type/colour			BW 4 (ZRK)
Cat. no.			**3781.0** 4 poles 1
Type/colour			BW 5 (ZRK)
Cat. no.			**3782.0** 5 poles 1
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available			
Ratings			
Blade size, mm	0.5	0.5	-
Blade width, mm	2.5	3.5	3.0
Blade length, mm	85	85	22.5
Connection data			
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Type/colour			
Cat. no.			
For terminal	**Remarks**	**Remarks**	**Remarks**
	FRK 2,5... FDLIS 2,5-4	ZSRK 2,5... ZSLN 2,5...	ZSRK 2,5... ZSLN 2,5...
		ZRK 2,5... ZSL 2,5...	ZRK 2,5... ZSL 2,5...
		ZRKD 2,5... ZSLD 2,5...	ZRKD 2,5... ZSLD 2,5...
		ZIKD 2,5... ZTRK 2,5...	ZIKD 2,5... ZTRK 2,5...
		ZVMAK 2,5... ZIZA 1,5...	ZVMAK 2,5... ZIZA 1,5...
		ZRK 4... ZSL 4...	

BW...(ZRK)	BW...(FRK)	BW...(FRK)		
Plastic actuating tool	Metal actuating tool	Metal actuating tool		
Qty.	**Qty.**	**Qty.**		
BW 6 (ZRK) **3802.0** 6 poles 1	BW 1 (FRK) **3831.0** 1 poles 1	BW 6 (FRK) **3836.0** 6 poles 1		
BW 7 (ZRK) **3803.0** 7 poles 1	BW 2 (FRK) **3832.0** 2 poles 1	BW 7 (FRK) **3837.0** 7 poles 1		
BW 8 (ZRK) **3804.0** 8 poles 1	BW 3 (FRK) **3833.0** 3 poles 1	BW 8 (FRK) **3838.0** 8 poles 1		
BW 9 (ZRK) **3805.0** 9 poles 1	BW 4 (FRK) **3834.0** 4 poles 1	BW 9 (FRK) **3839.0** 9 poles 1		
BW 10 (ZRK) **3806.0** 10 poles 1	BW 5 (FRK) **3835.0** 5 poles 1	BW 10 (FRK) **3840.0** 10 poles 1		
-	-	-		
3.0	2.8	2.8		
22.5	18	18		
Page Qty.	**Page Qty.**	**Page Qty.**		
Remarks	**Remarks**	**Remarks**		
ZSRK 2,5... ZSLN 2,5... ZRK 2,5... ZSL 2,5... ZRKD 2,5... ZSLD 2,5... ZIKD 2,5... ZTRK 2,5... ZVMAK 2,5... ZIZA 1,5...	FRK 2,5... FSL 2 FTRK 2,5... FRKD 2,5...	FRK 2,5... FSL 2 FTRK 2,5... FRKD 2,5...		

CE electrical cabinet socket outlet STD-TS|LED

CE electrical cabinet socket outlet STD-TS / LED

The **STD-TS / LED** electrical cabinet socket outlet can be quickly and conveniently snapped onto a standard TS35 rail using its solid metal foot. This results in significantly reduced assembly work and installation costs! The electrical connection uses an integral screw terminal and then offers a secure pluggable electrical connection for programming devices, service devices or mounting tools. A LED voltage display has also been integrated into the design.

STD-TS / LED

Circuit diagram

- Foot base can be snapped on TS 35 DIN rail
- Metal locking clip
- Screw connection
- Voltage displayed with green LED
- Housing made from polyamide 6.6 UL 94-V0

Connection type	**Screw connection**		
Size (L x W x H) with TS 35 x 7.5 mm	75 x 45 x 67		
Weight	93 g		
Type	**Qty.**		
Type Colour	STD-TS / LED (GN) GR		
Cat. no.	**3196.2** 5		
General specifications			
Rated voltage U_N	250 V AC		
Rated current I_N	16 A AC		
Indicators	LED green with series resistor		
Colour	grey RAL 7032		
Holding clamp	Metal		
Insulation material	PA 6.6 UL 94-V0		
Ambient temperature (operating)	-20 to +60 °C		
Ambient temperature (during storage/transport)	-20 to +60 °C		
Standards / Specifications	Directive 2006/95/EG		
	DIN 49440-1		
	DIN VDE 0620-1 : 2010-02		
Approvals	**VDE**		
Connection data			
Solid wire cross-section, mm²	0.2 - 4		
Stranded wire cross-section, mm²	0.2 - 2.5		
Stranded wire with ferrules cross-section, mm²	0.2 - 2.5		
Wire cross-section, AWG	24 - 12		
Stripping length, mm	8		
Screw threading	M3		
Torque Nm	0.5 – 1		

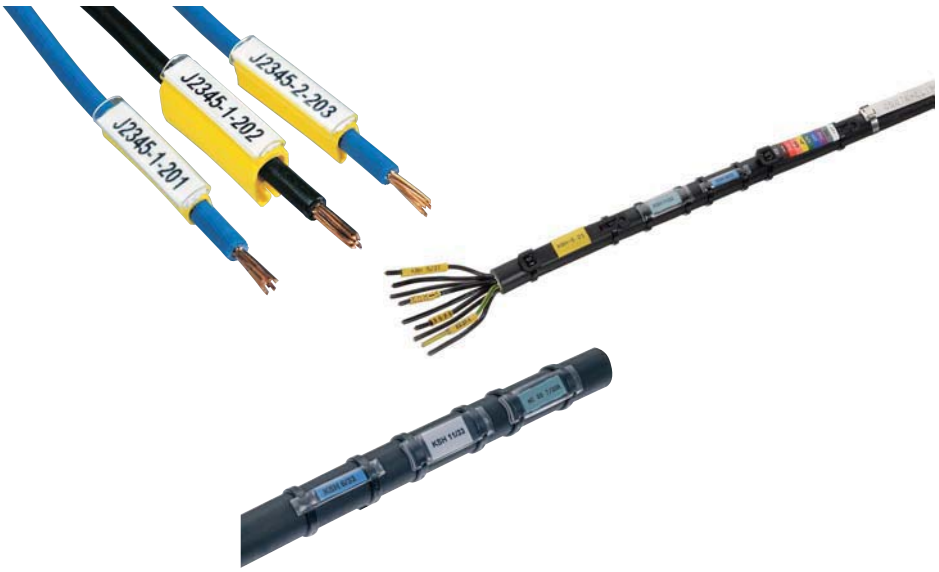
Accessories	**Page**	**Qty.**	
Markers	MC GS 8/17 R/WH		
Cat. no.	**3321.7** 390	200	

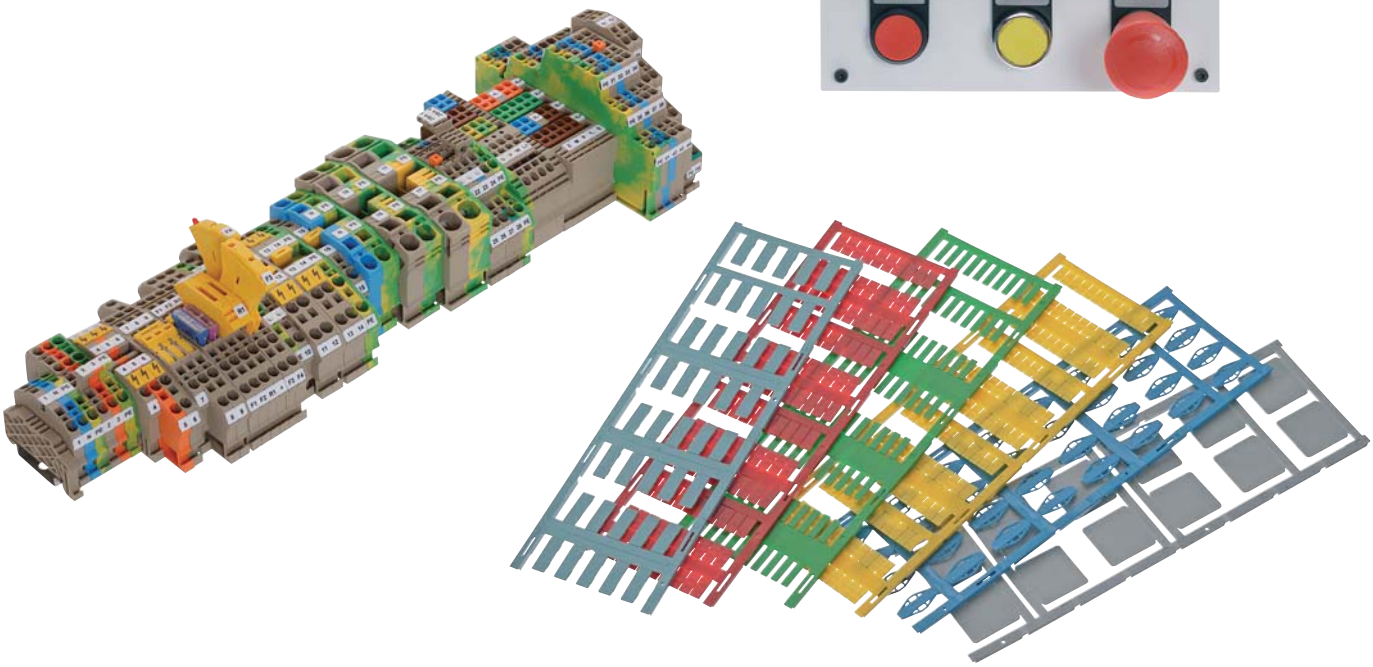
Notes

CONTA-LABEL marking systems

Marking cables, connectors and devices to provide unambiguous, logically arranged and permanently legible identification helps to prevent mis-wiring, increases safety and reduces work levels, which in turn reduces manufacturing and maintenance costs including those caused by production down-times. These marking requirements are also specified in the European standard EN 60204 (VDE 0113 part 1).

In fulfilling all of these requirements, the **CONTA-CLIP** marker line offers a solution for all tasks involved with the marking of electrical equipment. We offer a wide variety of options for marking terminal blocks, cables, wires and devices: ready-to-use standard prints, blank markers for the customer to print himself as well as customized inscriptions.



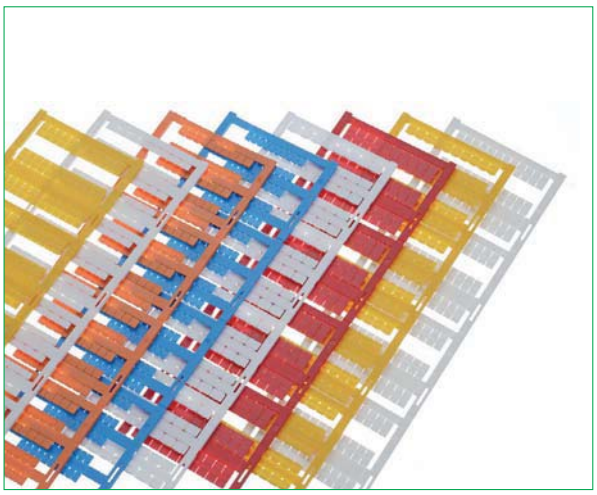


CONTA-LABEL marking systems

Overview

Terminal markers: starting at page 336

Our extensive line of products feature ready-to-use markers with standard and customized print (Pocket-Maxicard **PMC**), unprinted markers in the classic Maxicard format for DIY printing with the **EMS-2** plotter, and marker holders and group label holders in a variety of designs. The tables on pages 336 and 337 offer an overview of which markers can be snapped onto which terminals. The pitch size is the deciding factor when making the selection. With a terminal width of 5 mm, the marker must be 5 mm wide to enable strips of markers to be attached to the terminal. If the marker is to be attached to a terminal with a larger pitch, then the strips must be separated into individual markers.



Wire and cable markers: refer to page 364

The product line consists of markers for wires with small diameters and markers for cables with larger diameters. **CONTA-CLIP** offers a wide variety of solutions: these include open or closed markers, printed or blank for individual marking tasks, combinations of single markers with transparent sleeves or clip-on single markers with or without cable ties, markers for particularly aggressive environments or markers for environments in which halogen-free materials are obligatory. Our **EMS-2** plotter system allows you to conveniently print on practically all markers in Maxicard format, strips or single markers.

Wire and cable markers: refer to page 396

The product line includes markers for devices and systems manufactured by the major manufacturers. Markers based on classic adhesive techniques and snap-on markers are also available. The markers are available with custom print or as blank markers for marking with our **EMS-2** plotter system.

Labelling systems and software: refer to page 408

The **CONTA-CLIP** labelling software is easy to use, intuitive and suitable for all marking requirements. All integrated functions are user controlled and linked to our Online Help. The marking software facilitates manual entry of data via the keyboard. It supports numerous data formats and also allows data to be imported directly from the project file. Excellent user-friendly functionality makes our hardware easy to use. We offer a plotter system and a modular attachable engraving unit as well as a thermal transfer printer for printing on rolls of labels. The program is rounded off by a wide variety of accessories designed to facilitate easy handling in all application solutions.

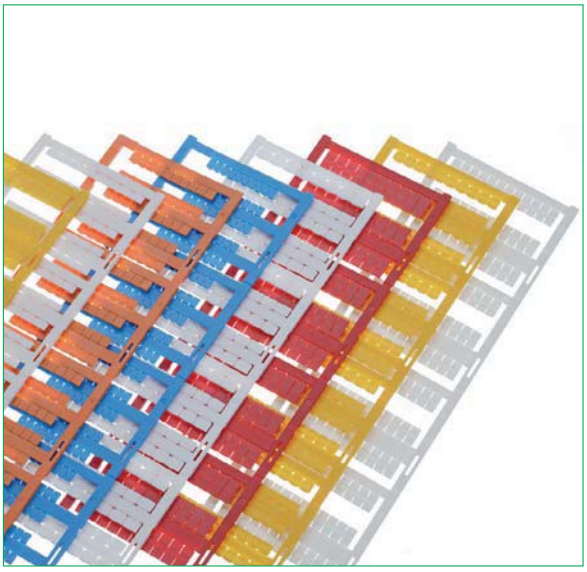
CONTA-LABEL marking systems

Short description of materials

CONTA-CLIP marking systems are available in a variety of designs and materials. The numerous variants made of plastic and stainless steel are designed to suit the respective application. The material characteristics are described below.

POLYAMIDE PA 6.6

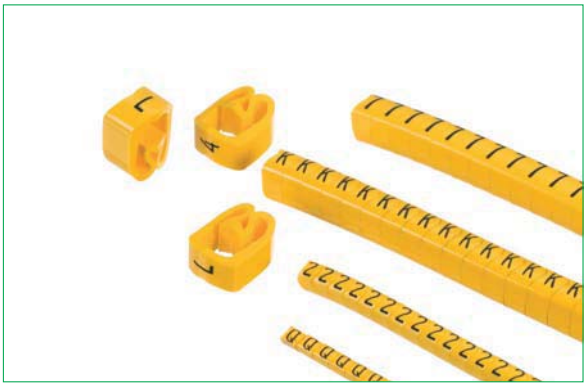
Polyamide 6.6 has good electrical and mechanical characteristics, high strength properties and is resistant to ageing. It is also highly ductile thanks to its semi-crystalline composition which allows it to absorb little moisture. This offers a clear advantage compared to polycarbonate material (PC). PC is less resistant to the strong substances used in industrial processes (such as cutting oil or cooling lubricants). PA 6.6 also is much more resistant than PC against solvents such as ketones, acetates, and aldehydes. PA 6.6 also features an improved resistance to UV radiation compared to PC. While PC quickly starts to turn yellow and is less impact resistant, PA 6.6 only exhibits a minimum reduction in UV surface stability. PA 6.6 also retains its colouring and technical characteristics much longer than PC.



Products:
SB, PMC, Maxicard, AS labelling strips, Marker holders, group marker holders

PVC

PVC is made from polyvinyl chloride and contains halogens. PVC has a longer service life and is resistant to the effects of weather, corrosive saline solutions, most acids and alkalis. Soft PVC contains plasticizer. The material is both strong and flexible. It can withstand temperatures from -30°C to +80°C.



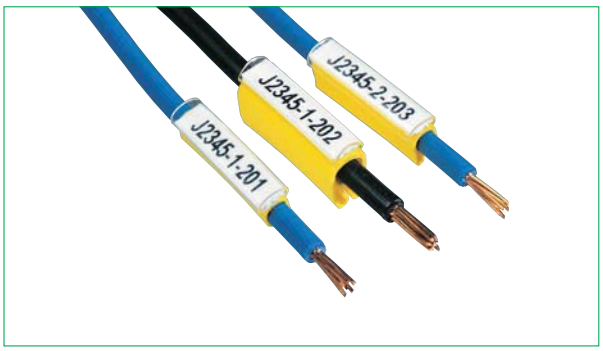
Products:
KBH, KBH-S, KBH-C, KH, KHE, KSH

Short description of materials

ZEREX

This is a polyurethane mixture based on poly-ether (TPU). ZEREX is a halogen-free, flame-resistant extrusion mixture used mainly when specifications require good flame retardant properties and that smoke and toxin development is restricted. It can withstand temperatures from -30°C to +90°C.

Products:
KHZ



Rust-free material

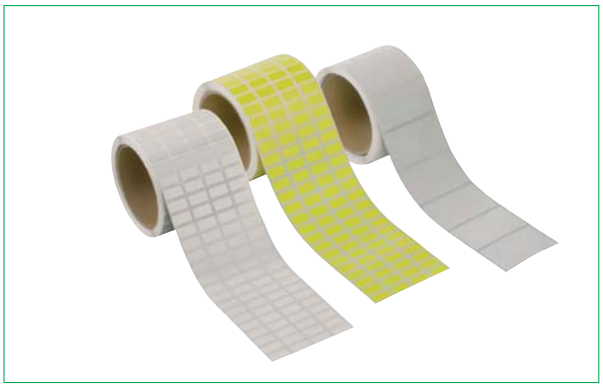
Stainless steel SS 2347 corresponds to AISI 316 and W. No. 1.4404. Acid-resistant steel contains a minimum of 17 % chrome, 11 % nickel and 2 % molybdenum. It is used chiefly where saline and damp conditions prevail and where corrosion resistance against acids is a requirement. It can withstand temperatures between -80°C to +500°C.

Products:
MPS, MPS H, CTS

Polyester

This is an impact-resistant material that is resistant to chemicals, weak acids, UV radiation, salts and solvents. The material does not shrink and is suitable for permanent print on labels and markers. It can withstand temperatures from -40°C to +125°C.

Products:
KKE, GKE



List of terminal markers available for CONTA-CLIP terminal blocks, end supports and marker holders

Terminal markers		Markers										
Screw terminals	**Width, mm**	**SB 4**	**SB 5**	**SB 6**	**SB 7,5**	**SB 8**	**BSTR 5**	**BSTR 5 MI**	**BSTR 6**	**BSTR 8**	**BSTR 10**	
BKA 2,5...	5	x	x									
BKA 4...	6	x	x	x								
BKA 10...	8	x	x	x		x						
DLI / DLIS...	6	x	x	x								
FF 1/1,5	6	x	x	x								
FF 2.5	6	x	x	x			x	x	x			
HSK...	13-50	x	x	x		x	x	x	x	x	x	
IK...	5	x	x									
IKD...	5	x	x									
KBL 1,5 - 4	6	x	x	x								
KBL 2,5	50	x	x				x	x				
KBL 2,5 - 4	60	x	x	x			x	x	x			
KBL 6 - 10...	80	x	x	x		x	x	x	x	x		
KBLD 2,5	50	x	x									
KBLD 4	60	x	x	x								
MAG...	10	x	x	x		x						
NT 2,5 - 4...	6	x	x	x			x	x	x			
NT 6 - 10...	8	x	x	x		x	x	x	x	x		
PTK...	8	x	x	x		x	x	x	x	x		
RK 1,5 - 4	6	x	x	x								
RK 2,5...	5	x	x				x	x				
RK 6 - 10...	8	x	x	x		x	x	x	x	x		
RK 16...	12	x	x	x		x	x	x	x	x	x	
RK 35...	16	x	x	x		x	x	x	x	x	x	
RK 50...	20	x	x	x		x	x	x	x	x	x	
RK 95...	25	x	x	x		x	x	x	x	x	x	
RK 150...	31	x	x	x		x	x	x	x	x	x	
RK 240...	36	x	x	x		x	x	x	x	x	x	
RK 2,5 - 4...	6	x	x	x			x	x	x			
RKB 4	6	x	x	x								
RKD 2.5...	5	x	x									
RKD 4...	6	x	x	x								
RKDG 4...	6	x	x	x			x	x	x			
SF 2,5 - 4	6	x	x	x			x	x	x			
SIK 10...	8	x	x	x		x	x	x	x	x		
SK 1...	12.2	x	x	x								
SL 2,5...	6	x	x	x			x	x	x			
SL 4/15...	7	x	x	x								
SL 4/35...	8	x	x	x		x	x	x	x	x		
SL 10...	10	x	x	x		x	x	x	x	x	x	
SL 16...	12	x	x	x		x	x	x	x	x	x	
SL 35...	16	x	x	x		x	x	x	x	x	x	
SLN 2,5...	6	x	x	x								
SRK 2,5	5	x	x									
SRK 2,5/15	5	x	x									
SRK 2,5/2A...	5	x	x				x	x				
SRK 4/2A...	6	x	x	x			x	x	x			
SRK 6/2A...	8	x	x	x		x	x	x	x	x		
SRK 10/2A...	10	x	x	x		x	x	x	x	x	x	
SSL 2,5/2A	5	x	x				x	x				
SSL 4/2A	6	x	x	x			x	x	x			
SSL 6/2A	8	x	x	x		x	x	x	x	x		
SSL 10/2A	10	x	x	x		x	x	x	x	x	x	
STKD 1...	8	x	x	x				x				
STK 2	8	x	x	x				x				
STK 1	8	x	x	x				x				
TK 2...	8	x	x	x								
TK 4...	7.5				x							
TK 10...	9				x							
TKS 4...	7.5				x							
TKS 10...	11.25				x							
TRK 1,5...	6	x	x	x			x	x	x			
TSK 2,5...	10	x	x	x			x	x	x			
VMAK 2,5	6	x	x	x								

Tension-spring terminals	Width, mm	SB 4	SB 5	SB 6	SB 7,5	SB 8	BSTR 5	BSTR 5 MI	BSTR 6	BSTR 8	BSTR 10	
ZIKD 2,5...	5	x	x					x				
ZIZA	5	x	x					x				
ZMP 1,5	5	x	x					x				
ZRK 2,5...	5	x	x				x					
ZRK 4...	6	x	x	x			x					
ZRK 6...	8	x	x	x		x	x					
ZRK 10	10	x	x	x		x	x					
ZRK 16	12	x	x	x		x	x					
ZRKD 2,5...	5	x	x									
ZSL 2,5	5	x	x									
ZSL 4	6	x	x	x								
ZSL 6	8	x	x	x		x	x					
ZSL 10	10	x	x	x		x	x					
ZSL 16	12	x	x	x		x	x					
ZSLD 2,5...	5	x	x				x					
ZSLN 2,5...	5	x	x									
ZSRK 2,5...	5	x	x									
ZTRK 2,5...	5	x	x									
ZVMAK 2,5	5	x	x									

Terminal markers		Markers										
Pressure-spring terminals	Width, mm	SB 4	SB 5	SB 6	SB 7,5	SB 8	BSTR 5	BSTR 5 MI	BSTR 6	BSTR 8	BSTR 10	
FDLIS	5	x	x									
FRK 1.5	4	x										
FRK 2,5	5	x	x				x	x				
FRK 4	6	x	x	x								
FRKD 2,5	5	x	x					x				
FSL 1,5	4	x										
FSL 2,5	5	x	x									
FSL 4	6	x	x	x								
FSLD 2,5	5	x	x					x				
FTRK 2,5	5	x	x									

End stops	Width, mm	SB 4	SB 5	SB 6	SB 7,5	SB 8	BSTR 5	BSTR 5 MI	BSTR 6	BSTR 8	BSTR 10	
EH 1	7	x	x	x								
EH 2-Z	5	x	x									
EH 4	8	x	x	x		x	x	x	x	x		
ES 15	7,5	x	x	x								
ES 32/35 Combi	9,5	x	x	x		x	x	x	x	x		
ES 35	7,5	x	x	x			x	x	x	x		
ES 35/2/K	8	x	x	x		x	x	x	x	x		
ES 35/K/ST	9,5	x	x	x		x	x	x	x	x		
ES 32	7,5	x	x	x			x	x				
ES 32/2/K	8	x	x	x		x	x	x	x	x		
ES 32/K/ST	9,5	x	x	x		x	x	x	x	x		
SH/SAB	9,5	x	x	x		x	x	x	x	x		
ZEH 1	11,1	x	x				x	x				
ZES 15	5	x	x				x	x				
ZES 35	6	x	x	x								
ZES 35/2	5	x	x									

Marker holder	Width, mm	SB 4	SB 5	SB 6	SB 7,5	SB 8	BSTR 5	BSTR 5 MI	BSTR 6	BSTR 8	BSTR 10	
SchT 4/8	5	x	x				x	x				
SchT 6/12	5	x	x				x	x				
SchT 12	6	x	x	x			x	x	x			
SchT 11	5	x	x				x	x				
ZBA 1	5	x	x				x	x				
ZBA 2	5	x	x					x				
ZBA 2/Z	5	x	x					x				
ZBA 2/Z/H	5	x	x					x				
ZBA 3	5	x	x				x	x				

Marker holders for end stops

End stops	Marker holder										
	ZschT1	ZschT2	ZschT3	ZschT4	ZschT5	ZschT6	SchT4/8 SchT6/12	SchT7 long SchT7 short	SchT2	SchT9	SchT10	SchT11
ES 15	x	x					x	x				
ES 32/35	x	x					x	x				
Combi	x	x					x	x				
ES 35	x	x					x	x				
ES 35/2/K	x	x	x	x	x	x	x	x	x	x		x
ES 35/K/ST	x	x	x	x	x	x	x	x	x	x	x	x
Es 32	x	x					x	x				
ES 32/2/K	x	x	x	x	x	x	x	x	x	x		x
ES 32/K/ST	x	x	x	x	x	x	x	x	x	x	x	x
ZES 15	x	x					x	x				
ZES 35	x	x	x	x	x	x	x	x	x			
ZES 35/2	x	x					x	x				x

Terminal markers – Pocket-Maxicard PMC SB

Pocket-Maxicard PMC SB 4

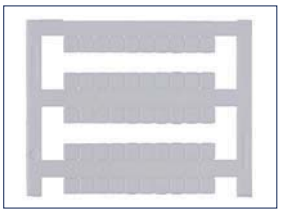
The **PMC SB 4** Pocket-Maxicard is suitable for labelling all **CONTA-CLIP** terminal blocks that are wider than 4 mm.

They are available in a variety of pre-printed standard markers, in a blank version, or custom printed to any requirement.

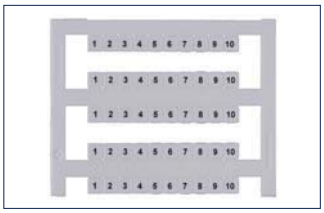
The blank Pocket-Maxicards can easily be printed on using the **EMS** plotter system.

Material: Polyamide 6.6 UL 94-V2, halogen-free

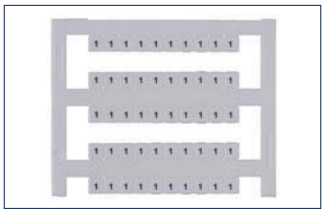
PMC SB 4 WH



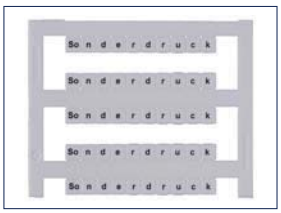
PMC SB 4 FW



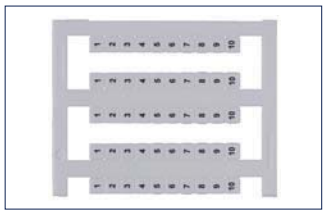
PMC SB 4 GW



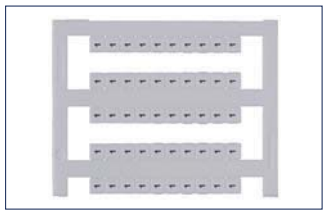
PMC SB 4 So WH



PMC SB 4 FS



PMC SB 4 GS



Type		Qty.
Type/colour		PMC SB 4/50 WH
Cat. no.		**4820.7** 500
Type/colour	Special print	PMC SB 4/50 So WH
Cat. no.		**4821.7** 500

Colours available	⑦
Characteristics	
Dimensions	
Length x width, mm	5 x 4
Number of markers per row	10
Number of markers per card	50
Material	
Material	PA6.6, halogen-free
Temperature range	-40°C to +105°C
Flamm. class acc. to UL 94	V2
Inscription	
Printing process	Thermal transfer
Marker pen	BS-1
Number of characters | lines when using font size 1,6 and plotter pen 0.25: horizontal	2|2
Number of characters | lines when using font size 1,6 and plotter pen 0.25: vertical	3|1
Application	
Terminal width, mm	≥ 4,1

PMC SB 4/...WH Pre-printed as shown Type	Cat. no.
PMC SB 4/50 FW 1-10	**4822.7**
PMC SB 4/50 FW 11-20	**4823.7**
PMC SB 4/50 FW 21-30	**4824.7**
PMC SB 4/50 FW 31-40	**4825.7**
PMC SB 4/50 FW 41-50	**4826.7**
PMC SB 4/50 FW 51-60	**4827.7**
PMC SB 4/50 FW 61-70	**4828.7**
PMC SB 4/50 FW 71-80	**4829.7**
PMC SB 4/50 FW 81-90	**4830.7**
PMC SB 4/50 FW 91-100	**4831.7**
PMC SB 4/50 FW 1-50	**4832.7**
PMC SB 4/50 FW 51-100	**4833.7**
PMC SB 4/50 FW 101-150	**4834.7**
PMC SB 4/50 FW 151-200	**4835.7**
PMC SB 4/50 FW 201-250	**4836.7**
PMC SB 4/50 FW 251-300	**4837.7**
PMC SB 4/50 FW 301-350	**4838.7**
PMC SB 4/50 FW 351-400	**4839.7**
PMC SB 4/50 FW 401-450	**4840.7**
PMC SB 4/50 FW 451-500	**4841.7**
PMC SB 4/50 FW 501-550	**4842.7**
PMC SB 4/50 FW 551-600	**4843.7**
PMC SB 4/50 FW 601-650	**4844.7**
PMC SB 4/50 FW 651-700	**4845.7**
PMC SB 4/50 FW 701-750	**4846.7**
PMC SB 4/50 FW 751-800	**4847.7**
PMC SB 4/50 FW 801-850	**4848.7**
PMC SB 4/50 FW 851-900	**4849.7**
PMC SB 4/50 FW 901-950	**4850.7**
PMC SB 4/50 FW L1,L2,L3,N,PE	**4851.7**
PMC SB 4/50 FW U1,V1,W1,N,PE	**4852.7**
PMC SB 4/50 FW U1,V1,W1	**4853.7**
PMC SB 4/50 FW U2,V2,W2,N,PE	**4854.7**
PMC SB 4/50 FW U2,V2,W2	**4855.7**
PMC SB 4/50 FW X1-X10	**4856.7**
PMC SB 4/50 FW 1,3, 5-19	**4857.7**
PMC SB 4/50 FW 2,4,6-20	**4858.7**
PMC SB 4/50 FS 1-10	**4859.7**
PMC SB 4/50 FS 11-20	**4860.7**
PMC SB 4/50 FS 21-30	**4861.7**
PMC SB 4/50 FS 31-40	**4862.7**
PMC SB 4/50 FS 41-50	**4863.7**
PMC SB 4/50 FS 51-60	**4864.7**
PMC SB 4/50 FS 61-70	**4865.7**
PMC SB 4/50 FS 71-80	**4866.7**
PMC SB 4/50 FS 81-90	**4867.7**
PMC SB 4/50 FS 91-100	**4868.7**
PMC SB 4/50 FS 1-50	**4869.7**
PMC SB 4/50 FS 51-100	**4870.7**
PMC SB 4/50 FS 101-150	**4871.7**
PMC SB 4/50 FS 151-200	**4872.7**
PMC SB 4/50 FS 201-250	**4873.7**
PMC SB 4/50 FS 251-300	**4874.7**
PMC SB 4/50 FS 301-350	**4875.7**
PMC SB 4/50 FS 351-400	**4876.7**

PMC SB 4/...WH Pre-printed as shown Type	Cat. no.
PMC SB 4/50 FS 401-450	**4877.7**
PMC SB 4/50 FS 451-500	**4878.7**
PMC SB 4/50 FS 501-550	**4879.7**
PMC SB 4/50 FS 551-600	**4880.7**
PMC SB 4/50 FS 601-650	**4881.7**
PMC SB 4/50 FS 651-700	**4882.7**
PMC SB 4/50 FS 701-750	**4883.7**
PMC SB 4/50 FS 751-800	**4884.7**
PMC SB 4/50 FS 801-850	**4885.7**
PMC SB 4/50 FS 851-900	**4886.7**
PMC SB 4/50 FS L1,L2,L3,N,PE	**4887.7**
PMC SB 4/50 FS U1,V1,W1,N,PE	**4888.7**
PMC SB 4/50 FS U1,V1,W1	**4889.7**
PMC SB 4/50 FS U2,V2,W2,N,PE	**4890.7**
PMC SB 4/50 FS U2,V2,W2	**4891.7**
PMC SB 4/50 FS X1-X10	**4892.7**
PMC SB 4/50 FS 1,3, 5-19	**4893.7**
PMC SB 4/50 FS 2,4,6-20	**4894.7**
PMC SB 4/50 GW 1	**4895.7**
PMC SB 4/50 GW 2	**4896.7**
PMC SB 4/50 GW 3	**4897.7**
PMC SB 4/50 GW 4	**4898.7**
PMC SB 4/50 GW 5	**4899.7**
PMC SB 4/50 GW 6	**4916.7**
PMC SB 4/50 GW 7	**4917.7**
PMC SB 4/50 GW 8	**4918.7**
PMC SB 4/50 GW 9	**4919.7**
PMC SB 4/50 GW 0	**4920.7**
PMC SB 4/50 GW X	**4921.7**
PMC SB 4/50 GW PE	**4922.7**
PMC SB 4/50 GW L1	**4923.7**
PMC SB 4/50 GW L2	**4924.7**
PMC SB 4/50 GW L3	**4925.7**
PMC SB 4/50 GW N	**4926.7**
PMC SB 4/50 GW +	**4927.7**
PMC SB 4/50 GW -	**4928.7**
PMC SB 4/50 GS 1	**4929.7**
PMC SB 4/50 GS 2	**4930.7**
PMC SB 4/50 GS 3	**4931.7**
PMC SB 4/50 GS 4	**4932.7**
PMC SB 4/50 GS 5	**4933.7**
PMC SB 4/50 GS 6	**4934.7**
PMC SB 4/50 GS 7	**4935.7**
PMC SB 4/50 GS 8	**4936.7**
PMC SB 4/50 GS 9	**4937.7**
PMC SB 4/50 GS 0	**4938.7**
PMC SB 4/50 GS X	**4939.7**
PMC SB 4/50 GS PE	**4940.7**
PMC SB 4/50 GS L1	**4941.7**
PMC SB 4/50 GS L2	**4942.7**
PMC SB 4/50 GS L3	**4943.7**
PMC SB 4/50 GS N	**4944.7**
PMC SB 4/50 GS -	**4945.7**

Pocket-Maxicard PMC SB 5

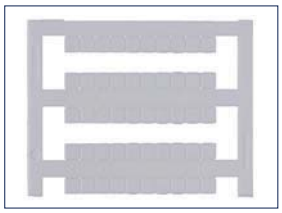
The **PMC SB 5** Pocket-Maxicard is suitable for labelling all **CONTA-CLIP** terminal blocks that are wider than 5 mm.

They are available in a variety of pre-printed standard markers, in a blank version, or custom printed to any requirement.

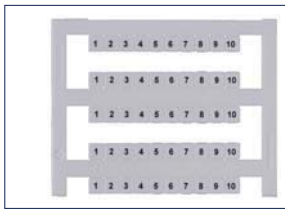
The blank Pocket-Maxicards can easily be printed on using the **EMS** plotter system.

Material: Polyamide 6.6 UL 94-V2, halogen-free

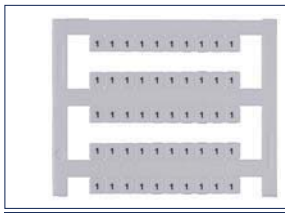
PMC SB 5 WH



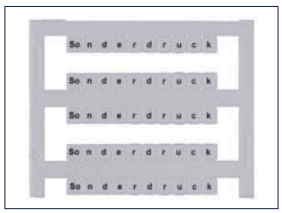
PMC SB 5 FW



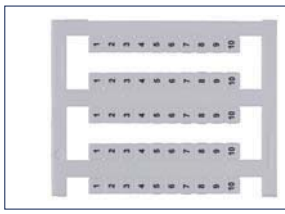
PMC SB 5 GW



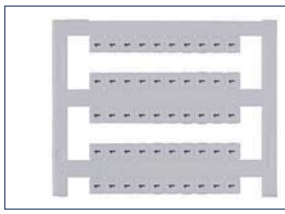
PMC SB 5 So WH



PMC SB 5 FS



PMC SB 5 GS



Type		Qty.
Type/colour		PMC SB 5/50 WH
Cat. no.		**4600.7** 500
Type/colour	Special print	PMC SB 5/50 So WH
Cat. no.		**4819.7** 500

Colours available ⑦

Characteristics

Dimensions	
Length x width, mm	5 x 5
Number of markers per row	10
Number of markers per card	50
Material	
Material	PA6.6, halogen-free
Temperature range	-40°C to +105°C
Flamm. class acc. to UL 94	V2
Inscription	
Printing process	Thermal transfer
Marker pen	BS-1
Number of characters | lines when using font size 1,6 and plotter pen 0.25: horizontal	3|2
Number of characters | lines when using font size 1,6 and plotter pen 0.25: vertical	3|2
Application	
Terminal width, mm	≥ 5.1

PMC SB 5/...WH Pre-printed as shown Type	Cat. no.
PMC SB 5/50 FW 1-10	**4601.7**
PMC SB 5/50 FW 11-20	**4602.7**
PMC SB 5/50 FW 21-30	**4603.7**
PMC SB 5/50 FW 31-40	**4604.7**
PMC SB 5/50 FW 41-50	**4605.7**
PMC SB 5/50 FW 51-60	**4606.7**
PMC SB 5/50 FW 61-70	**4607.7**
PMC SB 5/50 FW 71-80	**4608.7**
PMC SB 5/50 FW 81-90	**4609.7**
PMC SB 5/50 FW 91-100	**4610.7**
PMC SB 5/50 FW 1-50	**4611.7**
PMC SB 5/50 FW 51-100	**4612.7**
PMC SB 5/50 FW 101-150	**4613.7**
PMC SB 5/50 FW 151-200	**4614.7**
PMC SB 5/50 FW 201-250	**4615.7**
PMC SB 5/50 FW 251-300	**4616.7**
PMC SB 5/50 FW 301-350	**4617.7**
PMC SB 5/50 FW 351-400	**4618.7**
PMC SB 5/50 FW 401-450	**4619.7**
PMC SB 5/50 FW 451-500	**4620.7**
PMC SB 5/50 FW 501-550	**4621.7**
PMC SB 5/50 FW 551-600	**4622.7**
PMC SB 5/50 FW 601-650	**4623.7**
PMC SB 5/50 FW 651-700	**4624.7**
PMC SB 5/50 FW 701-750	**4625.7**
PMC SB 5/50 FW 751-800	**4626.7**
PMC SB 5/50 FW 801-850	**4627.7**
PMC SB 5/50 FW 851-900	**4628.7**
PMC SB 5/50 FW 901-950	**4629.7**
PMC SB 5/50 FW 2,4,6-20	**4817.7**
PMC SB 5/50 FW 1,3,5-19	**4818.7**
PMC SB 5/50 FW L1,L2,L3,N,PE	**4630.7**
PMC SB 5/50 FW U1,V1,W1,N,PE	**4631.7**
PMC SB 5/50 FW U1,V1,W1	**4632.7**
PMC SB 5/50 FW U2,V2,W2,N,PE	**4633.7**
PMC SB 5/50 FW U2,V2,W2	**4634.7**
PMC SB 5/50 FW X1-X10	**4635.7**
PMC SB 5/50 FS 1-10	**4636.7**
PMC SB 5/50 FS 11-20	**4637.7**
PMC SB 5/50 FS 21-30	**4638.7**
PMC SB 5/50 FS 31-40	**4639.7**
PMC SB 5/50 FS 41-50	**4640.7**
PMC SB 5/50 FS 51-60	**4641.7**
PMC SB 5/50 FS 61-70	**4642.7**
PMC SB 5/50 FS 71-80	**4643.7**
PMC SB 5/50 FS 81-90	**4644.7**
PMC SB 5/50 FS 91-100	**4645.7**
PMC SB 5/50 FS 1-50	**4646.7**
PMC SB 5/50 FS 51-100	**4647.7**
PMC SB 5/50 FS 101-150	**4648.7**
PMC SB 5/50 FS 151-200	**4649.7**
PMC SB 5/50 FS 201-250	**4650.7**
PMC SB 5/50 FS 251-300	**4651.7**
PMC SB 5/50 FS 301-350	**4652.7**
PMC SB 5/50 FS 351-400	**4653.7**

PMC SB 5/...WH Pre-printed as shown Type	Cat. no.
PMC SB 5/50 FS 401-450	**4654.7**
PMC SB 5/50 FS 451-500	**4655.7**
PMC SB 5/50 FS 501-550	**4656.7**
PMC SB 5/50 FS 551-600	**4657.7**
PMC SB 5/50 FS 601-650	**4658.7**
PMC SB 5/50 FS 651-700	**4659.7**
PMC SB 5/50 FS 701-750	**4660.7**
PMC SB 5/50 FS 751-800	**4661.7**
PMC SB 5/50 FS 801-850	**4662.7**
PMC SB 5/50 FS 851-900	**4663.7**
PMC SB 5/50 FS 2,4,6-20	**4815.7**
PMC SB 5/50 FS 1,3,5-19	**4816.7**
PMC SB 5/50 FS L1,L2,L3,N,PE	**4664.7**
PMC SB 5/50 FS U1,V1,W1,N,PE	**4665.7**
PMC SB 5/50 FS U1,V1,W1	**4666.7**
PMC SB 5/50 FS U2,V2,W2,N,PE	**4667.7**
PMC SB 5/50 FS U2,V2,W2	**4668.7**
PMC SB 5/50 FS X1-X10	**4669.7**
PMC SB 5/50 GW 1	**4670.7**
PMC SB 5/50 GW 2	**4671.7**
PMC SB 5/50 GW 3	**4672.7**
PMC SB 5/50 GW 4	**4673.7**
PMC SB 5/50 GW 5	**4674.7**
PMC SB 5/50 GW 6	**4675.7**
PMC SB 5/50 GW 7	**4676.7**
PMC SB 5/50 GW 8	**4677.7**
PMC SB 5/50 GW 9	**4678.7**
PMC SB 5/50 GW 0	**4679.7**
PMC SB 5/50 GW X	**4680.7**
PMC SB 5/50 GW PE	**4681.7**
PMC SB 5/50 GW L1	**4682.7**
PMC SB 5/50 GW L2	**4683.7**
PMC SB 5/50 GW L3	**4684.7**
PMC SB 5/50 GW N	**4685.7**
PMC SB 5/50 GW -	**4813.7**
PMC SB 5/50 GW +	**4814.7**
PMC SB 5/50 GS 1	**4686.7**
PMC SB 5/50 GS 2	**4687.7**
PMC SB 5/50 GS 3	**4688.7**
PMC SB 5/50 GS 4	**4689.7**
PMC SB 5/50 GS 5	**4690.7**
PMC SB 5/50 GS 6	**4691.7**
PMC SB 5/50 GS 7	**4692.7**
PMC SB 5/50 GS 8	**4693.7**
PMC SB 5/50 GS 9	**4694.7**
PMC SB 5/50 GS 0	**4695.7**
PMC SB 5/50 GS X	**4696.7**
PMC SB 5/50 GS PE	**4697.7**
PMC SB 5/50 GS L1	**4698.7**
PMC SB 5/50 GS L2	**4699.7**
PMC SB 5/50 GS L3	**4700.7**
PMC SB 5/50 GS N	**4701.7**
PMC SB 5/50 GS -	**4812.7**

Terminal markers – Pocket-Maxicard PMC SB

Pocket-Maxicard PMC SB 6

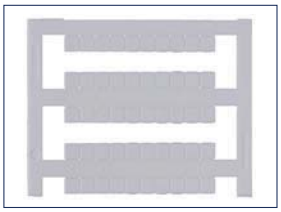
The **PMC SB 6** Pocket-Maxicard is suitable for labelling all **CONTA-CLIP** terminal blocks that are wider than 6 mm.

They are available in a variety of pre-printed standard markers, in a blank version, or custom printed to any requirement.

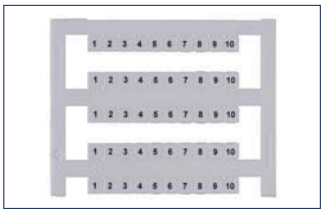
The blank Pocket-Maxicards can easily be printed on using the **EMS** plotter system.

Material: Polyamide 6.6 UL 94-V2, halogen-free

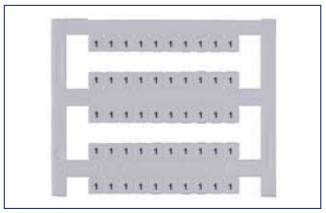
PMC SB 6 WH



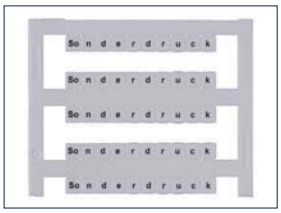
PMC SB 6 FW



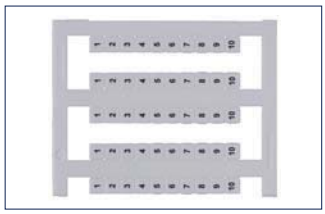
PMC SB 6 GW



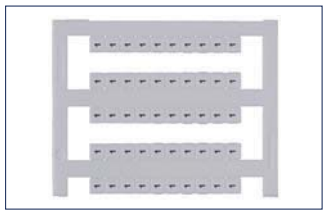
PMC SB 6 So WH



PMC SB 6 FS



PMC SB 6 GS



Type		Qty.
Type/colour		PMC SB 6/50 WH
Cat. no.		**4702.7** 500
Type/colour	Special print	PMC SB 6/50 So WH
Cat. no.		**4811.7** 500

Colours available: ⑦

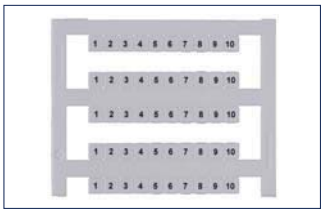
Characteristics

Dimensions	
Length x width, mm	5 x 6
Number of markers per row	10
Number of markers per card	50
Material	
Material	PA6.6, halogen-free
Temperature range	-40°C to +105°C
Flamm. class acc. to UL 94	V2
Inscription	
Printing process	Thermal transfer
Marker pen	BS-1
Number of characters | lines when using font size 1,6 and plotter pen 0.25: horizontal	3|2
Number of characters | lines when using font size 1,6 and plotter pen 0.25: vertical	3|2
Application	
Terminal width, mm	≥ 6

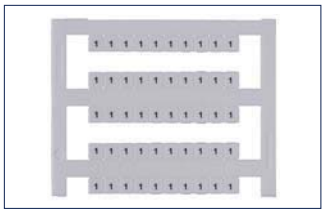
PMC SB 6/...WH Pre-printed as shown Type	Cat. no.
PMC SB 6/50 FW 1-10	**4703.7**
PMC SB 6/50 FW 11-20	**4704.7**
PMC SB 6/50 FW 21-30	**4705.7**
PMC SB 6/50 FW 31-40	**4706.7**
PMC SB 6/50 FW 41-50	**4707.7**
PMC SB 6/50 FW 51-60	**4708.7**
PMC SB 6/50 FW 61-70	**4709.7**
PMC SB 6/50 FW 71-80	**4710.7**
PMC SB 6/50 FW 81-90	**4711.7**
PMC SB 6/50 FW 91-100	**4712.7**
PMC SB 6/50 FW 101-110	**9212.7**
PMC SB 6/50 FW 111-120	**9213.7**
PMC SB 6/50 FW 121-130	**9214.7**
PMC SB 6/50 FW 131-140	**9215.7**
PMC SB 6/50 FW 141-150	**9216.7**
PMC SB 6/50 FW 151-160	**9217.7**
PMC SB 6/50 FW 161-170	**9218.7**
PMC SB 6/50 FW 171-180	**9219.7**
PMC SB 6/50 FW 181-190	**9220.7**
PMC SB 6/50 FW 191-200	**9221.7**
PMC SB 6/50 FW 201-210	**9222.7**
PMC SB 6/50 FW 211-220	**9223.7**
PMC SB 6/50 FW 221-230	**9224.7**
PMC SB 6/50 FW 231-240	**9225.7**
PMC SB 6/50 FW 241-250	**9226.7**
PMC SB 6/50 FW 251-260	**9227.7**
PMC SB 6/50 FW 261-270	**9228.7**
PMC SB 6/50 FW 271-280	**9229.7**
PMC SB 6/50 FW 281-290	**9230.7**
PMC SB 6/50 FW 291-300	**9231.7**
PMC SB 6/50 FW 301-310	**9232.7**
PMC SB 6/50 FW 311-320	**9233.7**
PMC SB 6/50 FW 321-330	**9234.7**
PMC SB 6/50 FW 331-340	**9235.7**
PMC SB 6/50 FW 341-350	**9236.7**
PMC SB 6/50 FW 351-360	**9237.7**
PMC SB 6/50 FW 361-370	**9238.7**
PMC SB 6/50 FW 371-380	**9239.7**
PMC SB 6/50 FW 381-390	**9240.7**
PMC SB 6/50 FW 391-400	**9241.7**
PMC SB 6/50 FW 401-410	**9242.7**
PMC SB 6/50 FW 411-420	**9243.7**
PMC SB 6/50 FW 421-430	**9244.7**
PMC SB 6/50 FW 431-440	**9245.7**
PMC SB 6/50 FW 441-450	**9246.7**
PMC SB 6/50 FW 451-460	**9247.7**
PMC SB 6/50 FW 461-470	**9248.7**
PMC SB 6/50 FW 471-480	**9249.7**
PMC SB 6/50 FW 481-490	**9250.7**
PMC SB 6/50 FW 491-500	**9251.7**
PMC SB 6/50 FW 501-510	**9252.7**
PMC SB 6/50 FW 511-520	**9253.7**
PMC SB 6/50 FW 521-530	**9254.7**
PMC SB 6/50 FW 531-540	**9255.7**
PMC SB 6/50 FW 541-550	**9256.7**
PMC SB 6/50 FW 551-560	**9257.7**

PMC SB 6/...WH Pre-printed as shown Type	Cat. no.
PMC SB 6/50 FW 561-570	**9258.7**
PMC SB 6/50 FW 571-580	**9259.7**
PMC SB 6/50 FW 581-590	**9260.7**
PMC SB 6/50 FW 591-600	**9261.7**
PMC SB 6/50 FW 1-50	**4713.7**
PMC SB 6/50 FW 51-100	**4714.7**
PMC SB 6/50 FW 101-150	**4715.7**
PMC SB 6/50 FW 151-200	**4716.7**
PMC SB 6/50 FW 201-250	**4717.7**
PMC SB 6/50 FW 251-300	**4718.7**
PMC SB 6/50 FW 301-350	**4719.7**
PMC SB 6/50 FW 351-400	**4720.7**
PMC SB 6/50 FW 401-450	**4721.7**
PMC SB 6/50 FW 451-500	**4722.7**
PMC SB 6/50 FW 501-550	**4723.7**
PMC SB 6/50 FW 551-600	**4724.7**
PMC SB 6/50 FW 601-650	**4725.7**
PMC SB 6/50 FW 651-700	**4726.7**
PMC SB 6/50 FW 701-750	**4727.7**
PMC SB 6/50 FW 751-800	**4728.7**
PMC SB 6/50 FW 801-850	**4729.7**
PMC SB 6/50 FW 851-900	**4730.7**
PMC SB 6/50 FW 901-950	**4731.7**
PMC SB 6/50 FW 2,4,6-20	**4809.7**
PMC SB 6/50 FW 1,3,5-19	**4810.7**
PMC SB 6/50 FW L1,L2,L3,N,PE	**4732.7**
PMC SB 6/50 FW U1,V1,W1,N,PE	**4733.7**
PMC SB 6/50 FW U1,V1,W1	**4734.7**
PMC SB 6/50 FW U2,V2,W2,N,PE	**4735.7**
PMC SB 6/50 FW U2,V2,W2	**4736.7**
PMC SB 6/50 FW X1-X10	**4737.7**
PMC SB 6/50 FS 1-10	**4738.7**
PMC SB 6/50 FS 11-20	**4739.7**
PMC SB 6/50 FS 21-30	**4740.7**
PMC SB 6/50 FS 31-40	**4741.7**
PMC SB 6/50 FS 41-50	**4742.7**
PMC SB 6/50 FS 51-60	**4743.7**
PMC SB 6/50 FS 61-70	**4744.7**
PMC SB 6/50 FS 71-80	**4745.7**
PMC SB 6/50 FS 81-90	**4746.7**
PMC SB 6/50 FS 91-100	**4747.7**
PMC SB 6/50 FS 101-110	**9262.7**
PMC SB 6/50 FS 111-120	**9263.7**
PMC SB 6/50 FS 121-130	**9264.7**
PMC SB 6/50 FS 131-140	**9265.7**
PMC SB 6/50 FS 141-150	**9266.7**
PMC SB 6/50 FS 151-160	**9267.7**
PMC SB 6/50 FS 161-170	**9268.7**
PMC SB 6/50 FS 171-180	**9269.7**
PMC SB 6/50 FS 181-190	**9270.7**
PMC SB 6/50 FS 191-200	**9271.7**
PMC SB 6/50 FS 201-210	**9272.7**
PMC SB 6/50 FS 211-220	**9273.7**

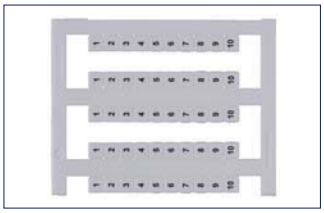
PMC SB 6 FW



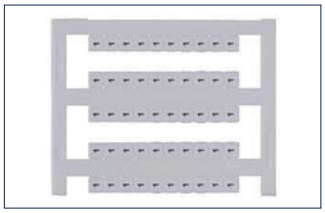
PMC SB 6 GW



PMC SB 6 FS



PMC SB 6 GS



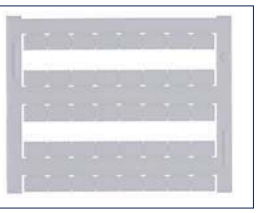
Pocket-Maxicard PMC SB 7,5

The **PMC SB 7,5** Pocket-Maxicard is suitable for labelling all transformer terminals from the **TK** and **TKS** series (starting at page 198).
They can also be used with transformer terminals from other manufacturers (such as PHOENIX CONTACT, Wago or Adels). They are available blank or with custom printing.

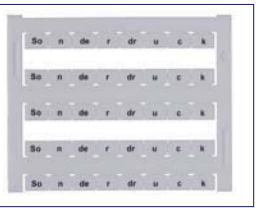
The blank Pocket-Maxicards can easily be printed on using the **EMS** plotter system.

Material: Polyamide 6.6 UL 94-V2, halogen-free

PMC SB 7,5 WH



PMC SB 7,5 So WH



PMC SB 6/...WH Pre-printed as shown Type	Cat. no.
PMC SB 6/50 FS 221-230	**9274.7**
PMC SB 6/50 FS 231-240	**9275.7**
PMC SB 6/50 FS 241-250	**9276.7**
PMC SB 6/50 FS 251-260	**9277.7**
PMC SB 6/50 FS 261-270	**9278.7**
PMC SB 6/50 FS 271-280	**9279.7**
PMC SB 6/50 FS 281-290	**9280.7**
PMC SB 6/50 FS 291-300	**9281.7**
PMC SB 6/50 FS 1-50	**4748.7**
PMC SB 6/50 FS 51-100	**4749.7**
PMC SB 6/50 FS 101-150	**4750.7**
PMC SB 6/50 FS 151-200	**4751.7**
PMC SB 6/50 FS 201-250	**4752.7**
PMC SB 6/50 FS 251-300	**4753.7**
PMC SB 6/50 FS 301-350	**4754.7**
PMC SB 6/50 FS 351-400	**4755.7**
PMC SB 6/50 FS 401-450	**4756.7**
PMC SB 6/50 FS 451-500	**4757.7**
PMC SB 6/50 FS 501-550	**4758.7**
PMC SB 6/50 FS 551-600	**4759.7**
PMC SB 6/50 FS 601-650	**4760.7**
PMC SB 6/50 FS 651-700	**4761.7**
PMC SB 6/50 FS 701-750	**4762.7**
PMC SB 6/50 FS 751-800	**4763.7**
PMC SB 6/50 FS 801-850	**4764.7**
PMC SB 6/50 FS 851-900	**4765.7**
PMC SB 6/50 FS 2,4,6-20	**4807.7**
PMC SB 6/50 FS 1,3,5-19	**4808.7**
PMC SB 6/50 FS L1,L2,L3,N,PE	**4766.7**
PMC SB 6/50 FS U1,V1,W1,N,PE	**4767.7**
PMC SB 6/50 FS U1,V1,W1	**4768.7**
PMC SB 6/50 FS U2,V2,W2,N,PE	**4769.7**
PMC SB 6/50 FS U2,V2,W2	**4770.7**
PMC SB 6/50 FS X1-X10	**4771.7**
PMC SB 6/50 GW 1	**4772.7**
PMC SB 6/50 GW 2	**4773.7**
PMC SB 6/50 GW 3	**4774.7**
PMC SB 6/50 GW 4	**4775.7**
PMC SB 6/50 GW 5	**4776.7**
PMC SB 6/50 GW 6	**4777.7**
PMC SB 6/50 GW 7	**4778.7**
PMC SB 6/50 GW 8	**4779.7**
PMC SB 6/50 GW 9	**4780.7**
PMC SB 6/50 GW 0	**4781.7**
PMC SB 6/50 GW X	**4782.7**
PMC SB 6/50 GW PE	**4783.7**
PMC SB 6/50 GW L1	**4784.7**
PMC SB 6/50 GW L2	**4785.7**
PMC SB 6/50 GW L3	**4786.7**
PMC SB 6/50 GW N	**4787.7**
PMC SB 6/50 GW -	**4805.7**
PMC SB 6/50 GW +	**4806.7**

PMC SB 6/...WH Pre-printed as shown Type	Cat. no.
PMC SB 6/50 GS 1	**4788.7**
PMC SB 6/50 GS 2	**4789.7**
PMC SB 6/50 GS 3	**4790.7**
PMC SB 6/50 GS 4	**4791.7**
PMC SB 6/50 GS 5	**4792.7**
PMC SB 6/50 GS 6	**4793.7**
PMC SB 6/50 GS 7	**4794.7**
PMC SB 6/50 GS 8	**4795.7**
PMC SB 6/50 GS 9	**4796.7**
PMC SB 6/50 GS 0	**4797.7**
PMC SB 6/50 GS X	**4798.7**
PMC SB 6/50 GS PE	**4799.7**
PMC SB 6/50 GS L1	**4800.7**
PMC SB 6/50 GS L2	**4801.7**
PMC SB 6/50 GS L3	**4802.7**
PMC SB 6/50 GS N	**4803.7**
PMC SB 6/50 GS -	**4804.7**

Type	Qty.
Type/colour	PMC SB 7,5/40 WH
Cat. no.	**9326.7** 400
Type/colour Special print	PMC SB 7,5/40 So WH
Cat. no.	**3327.7** 400

Colours available (7)

Characteristics	
Dimensions	
Length x width, mm	5 x 7.5
Number of markers per row	8
Number of markers per card	40
Material	
Material	PA6.6, halogen-free
Temperature range	-40°C to +105°C
Flamm. class acc. to UL 94	V2
Inscription	
Printing process	Thermal transfer
Marker pen	BS-1
Number of characters | lines when using font size 1.6 and plotter pen 0.25: horizontal	4|1
Number of characters | lines when using font size 1.6 and plotter pen 0.25: vertical	2|3
Application	
Terminal width, mm	≥ 7.5

Terminal markers – Pocket-Maxicard PMC SB

Pocket-Maxicard PMC SB 8

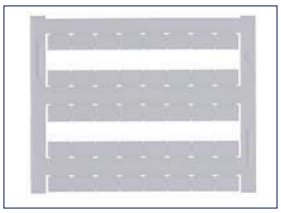
The **PMC SB 8** Pocket-Maxicard is suitable for labelling all **CONTA-CLIP** terminal blocks that are wider than 8 mm.

They are available in a variety of pre-printed standard markers, in a blank version, or custom printed to any requirement.

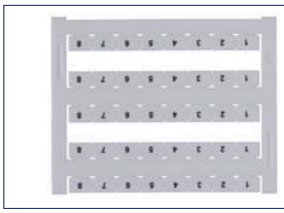
The blank Pocket-Maxicards can easily be printed on using the **EMS** plotter system.

Material: Polyamide 6.6 UL 94-V2, halogen-free

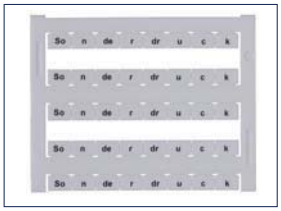
PMC SB 8 WH



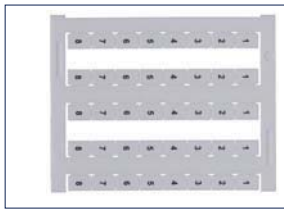
PMC SB 8 FW



PMC SB 8 So WH



PMC SB 8 FS



Type	Qty.
Type/colour	PMC SB 8/50 WH
Cat. no.	**9323.7** 400
Type/colour Special print	PMC SB 8/40 So WH
Cat. no.	**9322.7** 400

Colours available ⑦

Characteristics

Dimensions	
Length x width, mm	5 x 8
Number of markers per row	8
Number of markers per card	40
Material	
Material	PA6.6, halogen-free
Temperature range	-40°C to +105°C
Flamm. class acc. to UL 94	V2
Inscription	
Printing process	Thermal transfer
Marker pen	BS-1
Number of characters | lines when using font size 1,6 and plotter pen 0.25: horizontal	5|2
Number of characters | lines when using font size 1,6 and plotter pen 0.25: vertical	3|3
Application	
Terminal width, mm	≥ 8

PMC SB 8/...WH Pre-printed as shown Type	Cat. no.
PMC SB 8/40 FW 1-8	**9292.7**
PMC SB 8/40 FW 9-16	**9293.7**
PMC SB 8/40 FW 17-24	**9294.7**
PMC SB 8/40 FW 25-32	**9295.7**
PMC SB 8/40 FW 33-40	**9296.7**
PMC SB 8/40 FW 41-48	**9297.7**
PMC SB 8/40 FW 57-64	**9298.7**
PMC SB 8/40 FW 65-72	**9299.7**
PMC SB 8/40 FW 73-80	**9300.7**
PMC SB 8/40 FW 81-88	**9301.7**
PMC SB 8/40 FW 89-96	**9302.7**
PMC SB 8/40 FW 97-104	**9303.7**
PMC SB 8/40 FW 105-112	**9304.7**
PMC SB 8/40 FW 49-56	**9305.7**
PMC SB 8/40 FW 113-120	**9306.7**
PMC SB 8/40 FW 1-40	**9289.7**
PMC SB 8/40 FW 41-80	**9290.7**
PMC SB 8/40 FW 81-120	**9291.7**
PMC SB 8/40 FS 1-8	**9307.7**
PMC SB 8/40 FS 9-16	**9308.7**
PMC SB 8/40 FS 17-24	**9309.7**
PMC SB 8/40 FS 25-32	**9310.7**
PMC SB 8/40 FS 33-40	**9311.7**
PMC SB 8/40 FS 41-48	**9312.7**
PMC SB 8/40 FS 49-56	**9313.7**
PMC SB 8/40 FS 57-64	**9314.7**
PMC SB 8/40 FS 65-72	**9315.7**
PMC SB 8/40 FS 73-80	**9316.7**
PMC SB 8/40 FS 81-88	**9317.7**
PMC SB 8/40 FS 89-96	**9318.7**
PMC SB 8/40 FS 97-104	**9319.7**
PMC SB 8/40 FS 105-112	**9320.7**
PMC SB 8/40 FS 113-120	**9321.7**
PMC SB 8/40 FS 1-40	**9286.7**
PMC SB 8/40 FS 41-80	**9287.7**
PMC SB 8/40 FS 81-120	**9288.7**

Terminal markers – Pocket-Maxicard PMC BSTR

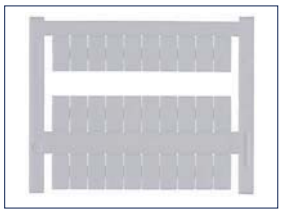
Pocket-Maxicard BSTR 5

The **BSTR 5** Pocket-Maxicard is suitable for labelling all **CONTA-CLIP** terminal blocks that are wider than 5 mm. These are particularly suitable for longer sequences of characters.

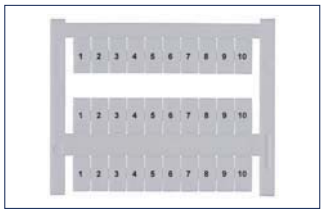
The **BSTR 5/... MI** variants are fitted with a centrally positioned foot that is used when the standard **BSTR** markers cover the cross-connection channel or the wire entry.
They are available in a variety of standard, prefabricated markers.

The blank Pocket-Maxicards can easily be printed on using the **EMS** plotter system.
They can be delivered in the following colours: white
Material Polyamide 6.6-V2, halogen-free

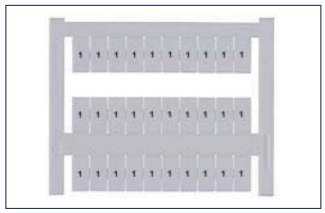
PMC BSTR 5 WH



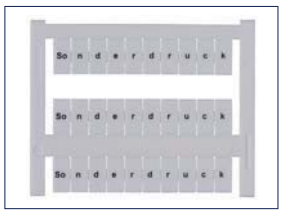
PMC BSTR 5 FW



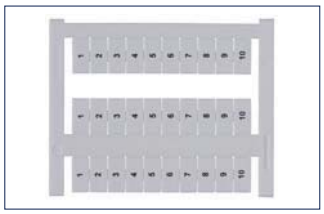
PMC BSTR 5 GW



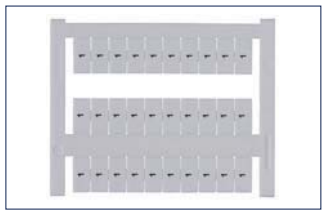
PMC BSTR 5 So WH



PMC BSTR 5 FS



PMC BSTR 5 GS



Type		Qty.
Type/colour **Cat. no.**		PMC BSTR 5/36 WH **9000.7** 360
Type/colour **Cat. no.**	Special print	PMC BSTR 5/36 So WH **9001.7** 360
Type/colour **Cat. no.**		PMC BSTR 5/36 MI WH **9324.7** 360
Type/colour **Cat. no.**	Special print	PMC BSTR 5/36 MI So WH **9325.7** 360
Colours available		⑦

Characteristics	
Dimensions	
Length x width, mm	10 x 5
Number of markers per row	12
Number of markers per card	36
Material	
Material	PA6.6, halogen-free
Temperature range	-40°C to +105°C
Flamm. class acc. to UL 94	V2
Inscription	
Printing process	Thermal transfer
Marker pen	BS-1
Number of characters | lines when using font size 1,6 and plotter pen 0.25: horizontal	2|3
Number of characters | lines when using font size 1,6 and plotter pen 0.25: vertical	6|2
Application	
Terminal width, mm	≥ 5,1

PMC BSTR 5/...WH Pre-printed as shown Type	Cat. no.
PMC BSTR 5/36 FW 1-12	**9002.7**
PMC BSTR 5/36 FW 13-24	**9003.7**
PMC BSTR 5/36 FW 25-36	**9004.7**
PMC BSTR 5/36 FW 37-48	**9005.7**
PMC BSTR 5/36 FW 49-60	**9006.7**
PMC BSTR 5/36 FW 61-72	**9007.7**
PMC BSTR 5/36 FW 73-84	**9008.7**
PMC BSTR 5/36 FW 85-96	**9009.7**
PMC BSTR 5/36 FW 97-108	**9010.7**
PMC BSTR 5/36 FW 109-120	**9011.7**
PMC BSTR 5/36 FW 1-36	**9012.7**
PMC BSTR 5/36 FW 37-72	**9013.7**
PMC BSTR 5/36 FW 73-108	**9014.7**
PMC BSTR 5/36 FW 109-144	**9015.7**
PMC BSTR 5/36 FW 145-180	**9016.7**
PMC BSTR 5/36 FW 181-216	**9017.7**
PMC BSTR 5/36 FW 217-252	**9018.7**
PMC BSTR 5/36 FW 253-288	**9019.7**
PMC BSTR 5/36 FW 289-324	**9020.7**
PMC BSTR 5/36 FW 325-360	**9021.7**
PMC BSTR 5/36 FW 361-396	**9022.7**
PMC BSTR 5/36 FW 397-432	**9023.7**
PMC BSTR 5/36 FW 433-468	**9024.7**
PMC BSTR 5/36 FW 469-504	**9025.7**
PMC BSTR 5/36 FW 505-540	**9026.7**
PMC BSTR 5/36 FW 541-576	**9027.7**
PMC BSTR 5/36 FW 577-612	**9028.7**
PMC BSTR 5/36 FW 613-648	**9029.7**
PMC BSTR 5/36 FW 649-684	**9030.7**
PMC BSTR 5/36 FW L1,L2,L3,N,PE	**9031.7**
PMC BSTR 5/36 FW U1,V1,W1,N,PE	**9032.7**
PMC BSTR 5/36 FW U1,V1,W1	**9033.7**
PMC BSTR 5/36 FW U2,V2,W2,N,PE	**9034.7**
PMC BSTR 5/36 FW U2,V2,W2	**9035.7**
PMC BSTR 5/36 FW X1-X12	**9036.7**
PMC BSTR 5/36 FS 1-12	**9037.7**
PMC BSTR 5/36 FS 13-24	**9038.7**
PMC BSTR 5/36 FS 25-36	**9039.7**
PMC BSTR 5/36 FS 37-48	**9040.7**
PMC BSTR 5/36 FS 49-60	**9041.7**
PMC BSTR 5/36 FS 61-72	**9042.7**
PMC BSTR 5/36 FS 73-84	**9043.7**
PMC BSTR 5/36 FS 85-96	**9044.7**
PMC BSTR 5/36 FS 97-108	**9045.7**
PMC BSTR 5/36 FS 109-120	**9046.7**
PMC BSTR 5/36 FS 1-36	**9047.7**
PMC BSTR 5/36 FS 37-72	**9048.7**
PMC BSTR 5/36 FS 73-108	**9049.7**
PMC BSTR 5/36 FS 109-144	**9050.7**
PMC BSTR 5/36 FS 145-180	**9051.7**
PMC BSTR 5/36 FS 181-216	**9052.7**
PMC BSTR 5/36 FS 217-252	**9053.7**
PMC BSTR 5/36 FS 253-288	**9054.7**
PMC BSTR 5/36 FS 289-324	**9055.7**

PMC BSTR 5 /...WH Pre-printed as shown Type	Cat. no.
PMC BSTR 5/36 FS 325-360	**9056.7**
PMC BSTR 5/36 FS 361-396	**9057.7**
PMC BSTR 5/36 FS 397-432	**9058.7**
PMC BSTR 5/36 FS 433-468	**9059.7**
PMC BSTR 5/36 FS 469-504	**9060.7**
PMC BSTR 5/36 FS 505-540	**9061.7**
PMC BSTR 5/36 FS 541-576	**9062.7**
PMC BSTR 5/36 FS 577-612	**9063.7**
PMC BSTR 5/36 FS 613-648	**9064.7**
PMC BSTR 5/36 FS L1,L2,L3,N,PE	**9065.7**
PMC BSTR 5/36 FS U1,V1,W1,N,PE	**9066.7**
PMC BSTR 5/36 FS U1,V1,W1	**9067.7**
PMC BSTR 5/36 FS U2,V2,W2,N,PE	**9068.7**
PMC BSTR 5/36 FS U2,V2,W2	**9069.7**
PMC BSTR 5/36 FS X1-X12	**9070.7**
PMC BSTR 5/36 GW 1	**9071.7**
PMC BSTR 5/36 GW 2	**9072.7**
PMC BSTR 5/36 GW 3	**9073.7**
PMC BSTR 5/36 GW 4	**9074.7**
PMC BSTR 5/36 GW 5	**9075.7**
PMC BSTR 5/36 GW 6	**9076.7**
PMC BSTR 5/36 GW 7	**9077.7**
PMC BSTR 5/36 GW 8	**9078.7**
PMC BSTR 5/36 GW 9	**9079.7**
PMC BSTR 5/36 GW 0	**9080.7**
PMC BSTR 5/36 GW X	**9081.7**
PMC BSTR 5/36 GW PE	**9082.7**
PMC BSTR 5/36 GW L1	**9083.7**
PMC BSTR 5/36 GW L2	**9084.7**
PMC BSTR 5/36 GW L3	**9085.7**
PMC BSTR 5/36 GW N	**9086.7**
PMC BSTR 5/36 GW +	**9087.7**
PMC BSTR 5/36 GW -	**9088.7**
PMC BSTR 5/36 GS 1	**9089.7**
PMC BSTR 5/36 GS 2	**9090.7**
PMC BSTR 5/36 GS 3	**9091.7**
PMC BSTR 5/36 GS 4	**9092.7**
PMC BSTR 5/36 GS 5	**9093.7**
PMC BSTR 5/36 GS 6	**9094.7**
PMC BSTR 5/36 GS 7	**9095.7**
PMC BSTR 5/36 GS 8	**9096.7**
PMC BSTR 5/36 GS 9	**9097.7**
PMC BSTR 5/36 GS 0	**9098.7**
PMC BSTR 5/36 GS X	**9099.7**
PMC BSTR 5/36 GS PE	**9100.7**
PMC BSTR 5/36 GS L1	**9101.7**
PMC BSTR 5/36 GS L2	**9102.7**
PMC BSTR 5/36 GS L3	**9103.7**
PMC BSTR 5/36 GS N	**9104.7**
PMC BSTR 5/36 GS -	**9105.7**

Terminal markers – Pocket-Maxicard PMC BSTR

Pocket-Maxicard PMC BSTR 6

The **BSTR 6** Pocket-Maxicard is suitable for labelling all **CONTA-CLIP** terminal blocks that are wider than 6 mm.

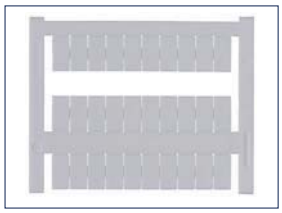
These are particularly suitable for longer sequences of characters.

They are available in a variety of standard, prefabricated markers.

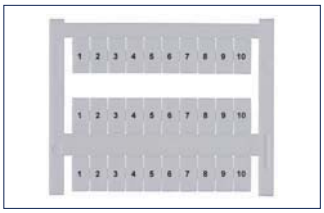
The blank Pocket-Maxicards can easily be printed on using the **EMS** plotter system.

Material: Polyamide 6.6 UL 94-V2, halogen-free

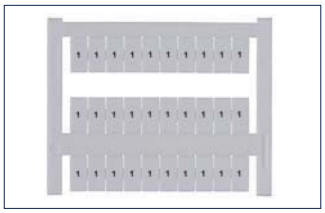
PMC BSTR 6 WH



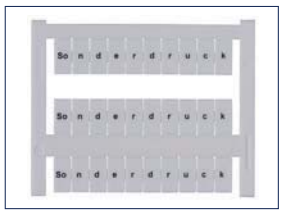
PMC BSTR 6 FW



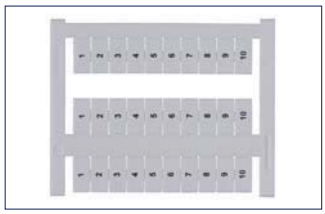
PMC BSTR 6 GW



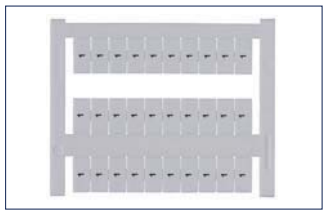
PMC BSTR 6 So WH



PMC BSTR 6 FS



PMC BSTR 6 GS



Type	Qty.
Type/colour	PMC BSTR 6/30 WH
Cat. no.	**9106.7** 300
Type/colour Special print	PMC BSTR 6/30 So WH
Cat. no.	**9107.7** 300
Colours available	⑦

Characteristics	
Dimensions	
Length x width, mm	12 x 6
Number of markers per row	10
Number of markers per card	30
Material	
Material	PA6.6, halogen-free
Temperature range	-40°C to +105°C
Flamm. class acc. to UL 94	V2
Inscription	
Printing process	Thermal transfer
Marker pen	BS-1
Number of characters | lines when using font size 1,6 and plotter pen 0.25: horizontal	3|3
Number of characters | lines when using font size 1,6 and plotter pen 0.25: vertical	8|3
Application	
Terminal width, mm	≥ 6

PMC BSTR 6/...WH Pre-printed as shown Type	Cat. no.
PMC BSTR 6/30 FW 1-10	**9108.7**
PMC BSTR 6/30 FW 11-20	**9109.7**
PMC BSTR 6/30 FW 21-30	**9110.7**
PMC BSTR 6/30 FW 31-40	**9111.7**
PMC BSTR 6/30 FW 41-50	**9112.7**
PMC BSTR 6/30 FW 51-60	**9113.7**
PMC BSTR 6/30 FW 61-70	**9114.7**
PMC BSTR 6/30 FW 71-80	**9115.7**
PMC BSTR 6/30 FW 81-90	**9116.7**
PMC BSTR 6/30 FW 91-100	**9117.7**
PMC BSTR 6/30 FW 1-30	**9118.7**
PMC BSTR 6/30 FW 31-60	**9119.7**
PMC BSTR 6/30 FW 61-90	**9120.7**
PMC BSTR 6/30 FW 91-120	**9121.7**
PMC BSTR 6/30 FW 121-150	**9122.7**
PMC BSTR 6/30 FW 151-180	**9123.7**
PMC BSTR 6/30 FW 181-210	**9124.7**
PMC BSTR 6/30 FW 211-240	**9125.7**
PMC BSTR 6/30 FW 241-270	**9126.7**
PMC BSTR 6/30 FW 271-300	**9127.7**
PMC BSTR 6/30 FW 301-330	**9128.7**
PMC BSTR 6/30 FW 331-360	**9129.7**
PMC BSTR 6/30 FW 361-390	**9130.7**
PMC BSTR 6/30 FW 391-420	**9131.7**
PMC BSTR 6/30 FW 421-450	**9132.7**
PMC BSTR 6/30 FW 451-480	**9133.7**
PMC BSTR 6/30 FW 481-510	**9134.7**
PMC BSTR 6/30 FW 511-540	**9135.7**
PMC BSTR 6/30 FW 541-570	**9136.7**
PMC BSTR 6/30 FW L1,L2,L3,N,PE	**9137.7**
PMC BSTR 6/30 FW U1,V1,W1,N,PE	**9138.7**
PMC BSTR 6/30 FW U1,V1,W1	**9139.7**
PMC BSTR 6/30 FW U2,V2,W2,N,PE	**9140.7**
PMC BSTR 6/30 FW U2,V2,W2	**9141.7**
PMC BSTR 6/30 FW X1-X10	**9142.7**
PMC BSTR 6/30 FS 1-10	**9143.7**
PMC BSTR 6/30 FS 11-20	**9144.7**
PMC BSTR 6/30 FS 21-30	**9145.7**
PMC BSTR 6/30 FS 31-40	**9146.7**
PMC BSTR 6/30 FS 41-50	**9147.7**
PMC BSTR 6/30 FS 51-60	**9148.7**
PMC BSTR 6/30 FS 61-70	**9149.7**
PMC BSTR 6/30 FS 71-80	**9150.7**
PMC BSTR 6/30 FS 81-90	**9151.7**
PMC BSTR 6/30 FS 91-100	**9152.7**
PMC BSTR 6/30 FS 1-30	**9153.7**
PMC BSTR 6/30 FS 31-60	**9154.7**
PMC BSTR 6/30 FS 61-90	**9155.7**
PMC BSTR 6/30 FS 91-120	**9156.7**
PMC BSTR 6/30 FS 121-150	**9157.7**
PMC BSTR 6/30 FS 151-180	**9158.7**
PMC BSTR 6/30 FS 181-210	**9159.7**
PMC BSTR 6/30 FSS 211-240	**9160.7**
PMC BSTR 6/30 FS 241-270	**9161.7**

PMC BSTR 6 /...WH Pre-printed as shown Type	Cat. no.
PMC BSTR 6/30 FS 271-300	**9162.7**
PMC BSTR 6/30 FS 301-330	**9163.7**
PMC BSTR 6/30 FS 331-360	**9164.7**
PMC BSTR 6/30 FS 361-390	**9165.7**
PMC BSTR 6/30 FS 391-420	**9166.7**
PMC BSTR 6/30 FS 421-450	**9167.7**
PMC BSTR 6/30 FS 451-480	**9168.7**
PMC BSTR 6/30 FS 481-510	**9169.7**
PMC BSTR 6/30 FS 511-540	**9170.7**
PMC BSTR 6/30 FS L1,L2,L3,N,PE	**9171.7**
PMC BSTR 6/30 FS U1,V1,W1,N,PE	**9172.7**
PMC BSTR 6/30 FS U1,V1,W1	**9173.7**
PMC BSTR 6/30 FS U2,V2,W2,N,PE	**9174.7**
PMC BSTR 6/30 FS U2,V2,W2	**9175.7**
PMC BSTR 6/30 FS X1-X10	**9176.7**
PMC BSTR 6/30 GW 1	**9177.7**
PMC BSTR 6/30 GW 2	**9178.7**
PMC BSTR 6/30 GW 3	**9179.7**
PMC BSTR 6/30 GW 4	**9180.7**
PMC BSTR 6/30 GW 5	**9181.7**
PMC BSTR 6/30 GW 6	**9182.7**
PMC BSTR 6/30 GW 7	**9183.7**
PMC BSTR 6/30 GW 8	**9184.7**
PMC BSTR 6/30 GW 9	**9185.7**
PMC BSTR 6/30 GW 0	**9186.7**
PMC BSTR 6/30 GW X	**9187.7**
PMC BSTR 6/30 GW PE	**9188.7**
PMC BSTR 6/30 GW L1	**9189.7**
PMC BSTR 6/30 GW L2	**9190.7**
PMC BSTR 6/30 GW L3	**9191.7**
PMC BSTR 6/30 GW N	**9192.7**
PMC BSTR 6/30 GW +	**9193.7**
PMC BSTR 6/30 GW -	**9194.7**
PMC BSTR 6/30 GS 1	**9195.7**
PMC BSTR 6/30 GS 2	**9196.7**
PMC BSTR 6/30 GS 3	**9197.7**
PMC BSTR 6/30 GS 4	**9198.7**
PMC BSTR 6/30 GS 5	**9199.7**
PMC BSTR 6/30 GS 6	**9200.7**
PMC BSTR 6/30 GS 7	**9201.7**
PMC BSTR 6/30 GS 8	**9202.7**
PMC BSTR 6/30 GS 9	**9203.7**
PMC BSTR 6/30 GS 0	**9204.7**
PMC BSTR 6/30 GS X	**9205.7**
PMC BSTR 6/30 GS PE	**9206.7**
PMC BSTR 6/30 GS L1	**9207.7**
PMC BSTR 6/30 GS L2	**9208.7**
PMC BSTR 6/30 GS L3	**9209.7**
PMC BSTR 6/30 GS N	**9210.7**
PMC BSTR 6/30 GS -	**9211.7**

Terminal markers – Pocket-Maxicard PMC

Pocket-Maxicard PMC BSTR 8

The **PMC BSTR 8** Pocket Maxicard is suitable for labelling all **CONTA-CLIP** terminal blocks that are wider than 8 mm.

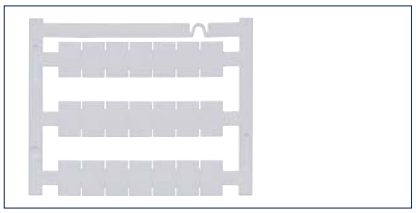
These are particularly suitable for longer sequences of characters.

They are available in a variety of pre-printed standard markers, in a blank version, or custom printed to any requirement.

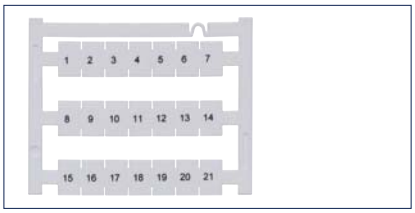
The blank Pocket-Maxicards can easily be printed on using the **EMS** plotter system.

Material: Polyamide 6.6 UL 94-V2, halogen-free

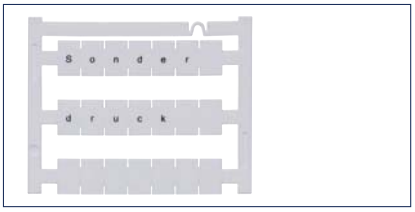
PMC BSTR 8x12 WH



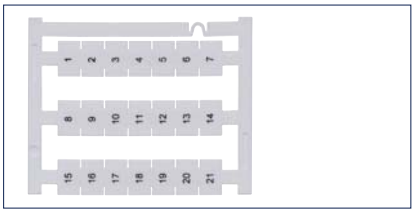
PMC BSTR 8x12 FW



PMC BSTR 8x12 So WH



PMC BSTR 8x12 FS



Type	Qty.
Type/colour	PMC BSTR 8x12/21 WH
Cat. no.	**9410.7** 210
Type/colour Special print	PMC BSTR 8x12/21 So WH
Cat. no.	**9411.7** 210
Colours available	⑦

Characteristics	
Dimensions	
Length x width, mm	12 x 8
Number of markers per row	7
Number of markers per card	21
Material	
Material	PA6.6, halogen-free
Temperature range	-40°C to +105°C
Flamm. class acc. to UL 94	V2
Inscription	
Printing process	Thermal transfer
Marker pen	BS-1
Number of characters | lines when using font size 1.4 and plotter pen 0.25: horizontal	6|5
Number of characters | lines when using font size 1.4 and plotter pen 0.25: vertical	9|4
Application	
Terminal width, mm	≥ 8

PMC BSTR 8/... WH
Pre-printed as shown

Type	Cat. no.
PMC BSTR 8x12/21 FW 1-21	**9413.7**
PMC BSTR 8x12/21 FW 22-42	**9414.7**
PMC BSTR 8x12/21 FW 43-63	**9415.7**
PMC BSTR 8x12/21 FW 64-84	**9416.7**
PMC BSTR 8x12/21 FW 84-105	**9417.7**
PMC BSTR 8x12/21 FW 1-42	**9418.7**
PMC BSTR 8x12/21 FW 43-84	**9419.7**
PMC BSTR 8x12/21 FW 1-105	**9420.7**
PMC BSTR 8x12/21 FW 106-210	**9421.7**
PMC BSTR 8x12/21 FW L1,L2,L3,N,PE	**9422.7**
PMC BSTR 8x12/21 FS 1-21	**9423.7**
PMC BSTR 8x12/21 FS 22-42	**9424.7**
PMC BSTR 8x12/21 FS 43-63	**9425.7**
PMC BSTR 8x12/21 FS 64-84	**9426.7**
PMC BSTR 8x12/21 FS 84-105	**9427.7**
PMC BSTR 8x12/21 FS 1-42	**9428.7**
PMC BSTR 8x12/21 FS 43-84	**9429.7**
PMC BSTR 8x12/21 FS 1-105	**9430.7**
PMC BSTR 8x12/21 FS 106-210	**9431.7**
PMC BSTR 8x12/21 FS L1,L2,L3,N,PE	**9432.7**

Terminal markers – Pocket-Maxicard PMC BSTR

Pocket-Maxicard PMC BSTR 10

The **PMC BSTR 10** Pocket-Maxicard is suitable for labelling all **CONTA-CLIP** terminal blocks that are wider than 10 mm.

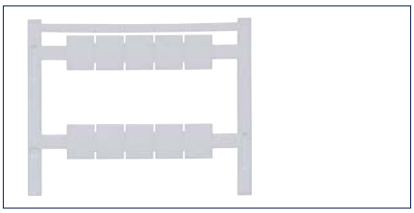
These are particularly suitable for longer sequences of characters.

They are available in a variety of pre-printed standard markers, in a blank version, or custom printed to any requirement.

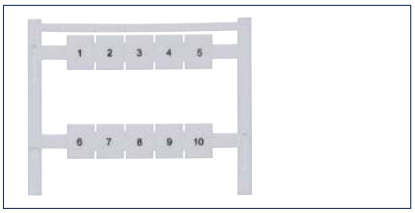
The blank Pocket-Maxicards can easily be printed on using the **EMS** plotter system.

Material: Polyamide 6.6 UL 94-V2, halogen-free

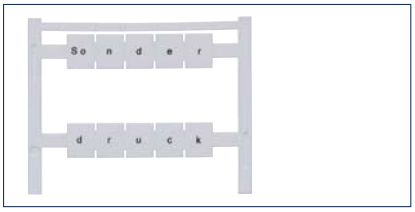
PMC BSTR 10x12 WH



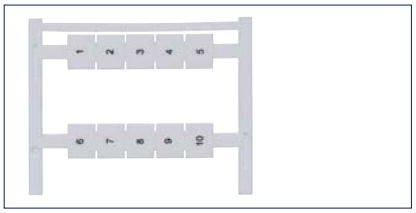
PMC BSTR 10x12 FW



PMC BSTR 10x12 So WH



PMC BSTR 10x12 FS



Type	Qty.
Type/colour	PMC BSTR 10x12/10 WH
Cat. no.	**9433.7** 100
Type/colour Special print	PMC BSTR 10x12/10 SO WH
Cat. no.	**9434.7** 100
Colours available	⑦

Characteristics	
Dimensions	
Length x width, mm	12 x 10
Number of markers per row	5
Number of markers per card	10
Material	
Material	PA6.6, halogen-free
Temperature range	-40°C to +105°C
Flamm. class acc. to UL 94	V2
Inscription	
Printing process	Thermal transfer
Marker pen	BS-1
Number of characters | lines when using font size 1.4 and plotter pen 0.25: horizontal	8|5
Number of characters | lines when using font size 1.4 and plotter pen 0.25: vertical	9|5
Application	
Terminal width, mm	≥ 10

PMC BSTR 10x12/... WH Pre-printed as shown Type	Cat. no.
PMC BSTR 10x12/10 FW 1-10	**9436.7**
PMC BSTR 10x12/10 FW 11-20	**9437.7**
PMC BSTR 10x12/10 FW 22-30	**9438.7**
PMC BSTR 10x12/10 FW 31-40	**9439.7**
PMC BSTR 10x12/10 FW 41-50	**9440.7**
PMC BSTR 10x12/10 FW 1-40	**9441.7**
PMC BSTR 10x12/10 FW 41-80	**9442.7**
PMC BSTR 10x12/10 FW 81-120	**9443.7**
PMC BSTR 10x12/10 FW 1-100	**9444.7**
PMC BSTR 10x12/10 FW L1,L2,L3,N,PE	**9445.7**
PMC BSTR 10x12/10 FS 1-10	**9446.7**
PMC BSTR 10x12/10 FS 11-20	**9447.7**
PMC BSTR 10x12/10 FS 22-30	**9448.7**
PMC BSTR 10x12/10 FS 31-40	**9449.7**
PMC BSTR 10x12/10 FS 41-50	**9450.7**
PMC BSTR 10x12/10 FS 1-40	**9451.7**
PMC BSTR 10x12/10 FS 41-80	**9452.7**
PMC BSTR 10x12/10 FS 81-120	**9453.7**
PMC BSTR 10x12/10 FS 1-100	**9454.7**
PMC BSTR 10x12/10 FS L1,L2,L3,N,PE	**9455.7**

Notes

Terminal markers – Quick marking system SB

Quick marking system SB 5

The **SB 5** quick marking system is suitable for labelling all **CONTA-CLIP** terminals that are wider than 5 mm.

They are available in a variety of standard, pre-fabricated markers or with custom labelling.

The blank **SB 5** markers are also available as **MC SB 5/200 WH** (3300.7 on p. 356). They can easily be printed on using the **EMS** plotter system.

Material: Polyamide 6.6 UL 94-V2, halogen-free

SB 5 So WH

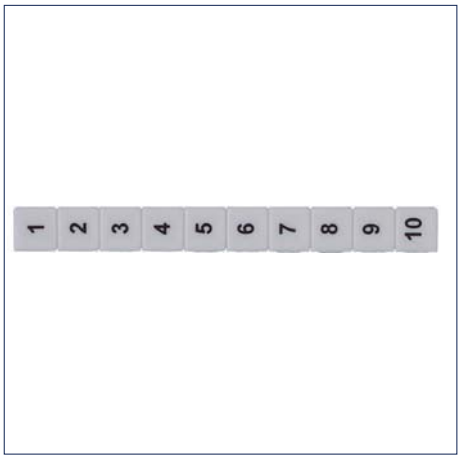
SB 5 FW

Type		Qty.
Type/colour		SB 5/10 WH
Cat. no.		**2430.0** 250
Type/colour	Special print	SB 5/10 So WH
Cat. no.		**2431.7**
Colours available		⑦
Characteristics		
Dimensions		
Length x width, mm		5 x 5
Number of markers per row		10
Number of markers per card		-
Material		
Material		PA6.6, halogen-free
Temperature range		-40°C to +105°C
Flamm. class acc. to UL 94		V2
Inscription		
Printing process		Thermal transfer
Marker pen		BS-1
Plotter		EMS-2
Application		
Terminal width, mm		≥ 5

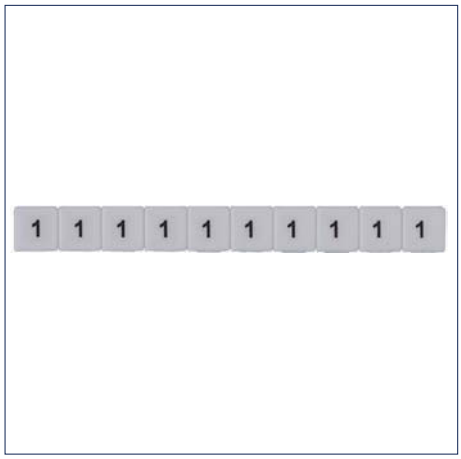
SB 5/...WH Pre-printed as shown Type	Cat. no.
SB 5/10 FW 1-10	2431.0001
SB 5/10 FW 11-20	2431.0002
SB 5/10 FW 21-30	2431.0003
SB 5/10 FW 31-40	2431.0004
SB 5/10 FW 41-50	2431.0005
SB 5/10 FW 51-60	2431.0006
SB 5/10 FW 61-70	2431.0007
SB 5/10 FW 71-80	2431.0008
SB 5/10 FW 81-90	2431.0009
SB 5/10 FW 91-100	2431.0010
SB 5/10 FW X1; Y1; Z1	2404.0001
SB 5/10 FW X2; Y2; Z2	2404.0002
SB 5/10 FW X3; Y3; Z3	2404.0003
SB 5/10 FW X4; Y4; Z4	2404.0004
SB 5/10 FW X5; Y5; Z5	2404.0005
SB 5/10 FW X6; Y6; Z6	2404.0006
SB 5/10 FW X7; Y7; Z7	2404.0007
SB 5/10 FW X8; Y8; Z8	2404.0008
SB 5/10 FW X9; Y9; Z9	2404.0009
SB 5/10 FW X10; Y10; Z10	2404.0010
SB 5/10 FW R1; S1; T1	2404.0011
SB 5/10 FW R2; S2; T2	2404.0012
SB 5/10 FW R3; S3; T3	2404.0013
SB 5/10 FW R4; S4; T4	2404.0014
SB 5/10 FW R5; S5; T5	2404.0015
SB 5/10 FW R6; S6; T6	2404.0016
SB 5/10 FW R7; S7; T7	2404.0017
SB 5/10 FW R8; S8; T8	2404.0018
SB 5/10 FW R9; S9; T9	2404.0019
SB 5/10 FW R10; S10; T10	2404.0020
SB 5/10 FW U1; V1; W1	2404.0021
SB 5/10 FW U2; V2; W2	2404.0022
SB 5/10 FW U3; V3; W3	2404.0023
SB 5/10 FW U4; V4; W4	2404.0024
SB 5/10 FW U5; V5; W5	2404.0025
SB 5/10 FW U6; V6; W6	2404.0026
SB 5/10 FW U7; V7; W7	2404.0027
SB 5/10 FW U8; V8; W8	2404.0028
SB 5/10 FW U9; V9; W9	2404.0029
SB 5/10 FW U10; V10; W10	2404.0030
SB 5/10 FW U; V; W; N; PE	2471.0001
SB 5/10 FW R; S; T; N; Earth with circuit	2471.0002
SB 5/10 FW L1; L2; L3; N; PE	2471.0003
SB 5/10 FW L1; L2; L3; N;Earth with circuit	2471.0004
SB 5/10 FS 1-10	2433.0001
SB 5/10 FS 11-20	2433.0002
SB 5/10 FS 21-30	2433.0003
SB 5/10 FS 31-40	2433.0004
SB 5/10 FS 41-50	2433.0005
SB 5/10 FS 51-60	2433.0006
SB 5/10 FS 61-70	2433.0007
SB 5/10 FS 71-80	2433.0008
SB 5/10 FS 81-90	2433.0009
SB 5/10 FS 91-100	2433.0010
SB 5/10 FS X1; Y1; Z1	2472.0001
SB 5/10 FS X2; Y2; Z2	2472.0002
SB 5/10 FS X3; Y3; Z3	2472.0003
SB 5/10 FS X4; Y4; Z4	2472.0004
SB 5/10 FS X5; Y5; Z5	2472.0005
SB 5/10 FS X6; Y6; Z6	2472.0006
SB 5/10 FS X7; Y7; Z7	2472.0007
SB 5/10 FS X8; Y8; Z8	2472.0008
SB 5/10 FS X9; Y9; Z9	2472.0009
SB 5/10 FS X10; Y10; Z10	2472.0010
SB 5/10 FS R1; S1; T1	2472.0011
SB 5/10 FS R2; S2; T2	2472.0012
SB 5/10 FS R3; S3; T3	2472.0013
SB 5/10 FS R4; S4; T4	2472.0014
SB 5/10 FS R5; S5; T5	2472.0015
SB 5/10 FS R6; S6; T6	2472.0016
SB 5/10 FS R7; S7; T7	2472.0017
SB 5/10 FS R8; S8; T8	2472.0018
SB 5/10 FS R9; S9; T9	2472.0019
SB 5/10 FS R10; S10; T10	2472.0020

SB 5/...WH Pre-printed as shown Type	Cat. no.
SB 5/10 FS U1; V1; W1	2472.0021
SB 5/10 FS U2; V2; W2	2472.0022
SB 5/10 FS U3; V3; W3	2472.0023
SB 5/10 FS U4; V4; W4	2472.0024
SB 5/10 FS U5; V5; W5	2472.0025
SB 5/10 FS U6; V6; W6	2472.0026
SB 5/10 FS U7; V7; W7	2472.0027
SB 5/10 FS U8; V8; W8	2472.0028
SB 5/10 FS U9; V9; W9	2472.0029
SB 5/10 FS U10; V10; W10	2472.0030
SB 5/10 FS U; V; W; N; PE	2473.0001
SB 5/10 FS R; S; T; N; Earth with circuit	2473.0002
SB 5/10 FS L1; L2; L3; N; PE	2473.0003
SB 5/10 FW L1; L2; L3; N;Earth with circuit	2473.0004
SB 5/10 GW 1	2432.0001
SB 5/10 GW 2	2432.0002
SB 5/10 GW 3	2432.0003
SB 5/10 GW 4	2432.0004
SB 5/10 GW 5	2432.0005
SB 5/10 GW 6	2432.0006
SB 5/10 GW 7	2432.0007
SB 5/10 GW 8	2432.0008
SB 5/10 GW 9	2432.0009
SB 5/10 GW 10	2432.0010
SB 5/10 GW 11	2432.0011
SB 5/10 GW 12	2432.0012
SB 5/10 GW 13	2432.0013
SB 5/10 GW 14	2432.0014
SB 5/10 GW 15	2432.0015
SB 5/10 GW 16	2432.0016
SB 5/10 GW 17	2432.0017
SB 5/10 GW 18	2432.0018
SB 5/10 GW 19	2432.0019
SB 5/10 GW 20	2432.0020
SB 5/10 GW 21	2432.0021
SB 5/10 GW 22	2432.0022
SB 5/10 GW 23	2432.0023
SB 5/10 GW 24	2432.0024
SB 5/10 GW 25	2432.0025
SB 5/10 GW 26	2432.0026
SB 5/10 GW 27	2432.0027
SB 5/10 GW 28	2432.0028
SB 5/10 GW 29	2432.0029
SB 5/10 GW 30	2432.0030
SB 5/10 GW 31	2432.0031
SB 5/10 GW 32	2432.0032
SB 5/10 GW 33	2432.0033
SB 5/10 GW 34	2432.0034
SB 5/10 GW 35	2432.0035
SB 5/10 GW 36	2432.0036
SB 5/10 GW 37	2432.0037
SB 5/10 GW 38	2432.0038
SB 5/10 GW 39	2432.0039
SB 5/10 GW 40	2432.0040
SB 5/10 GW 41	2432.0041
SB 5/10 GW 42	2432.0042
SB 4/50 GW 43	2432.0043
SB 5/10 GW 44	2432.0044
SB 5/10 GW 45	2432.0045
SB 5/10 GW 46	2432.0046
SB 5/10 GW 47	2432.0047
SB 5/10 GW 48	2432.0048
SB 5/10 GW 49	2432.0049
SB 5/10 GW 50	2432.0050
SB 5/10 GW 51	2432.0051
SB 5/10 GW 52	2432.0052
SB 5/10 GW 53	2432.0053
SB 5/10 GW 54	2432.0054
SB 5/10 GW 55	2432.0055
SB 5/10 GW 56	2432.0056
SB 5/10 GW 57	2432.0057
SB 5/10 GW 58	2432.0058
SB 5/10 GW 59	2432.0059
SB 5/10 GW 60	2432.0060
SB 5/10 GW 61	2432.0061
SB 5/10 GW 62	2432.0062

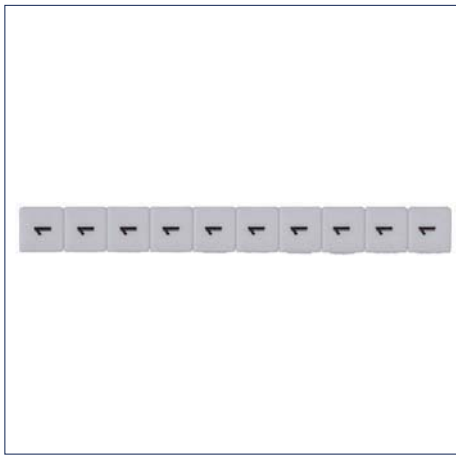
SB 5 FS



SB 5 GW



SB 5 GS



SB 5/...WH Pre-printed as shown Type	Cat. no.
SB 5/10 GW 63	2432.0063
SB 5/10 GW 64	2432.0064
SB 5/10 GW 65	2432.0065
SB 5/10 GW 66	2432.0066
SB 5/10 GW 67	2432.0067
SB 5/10 GW 68	2432.0068
SB 5/10 GW 69	2432.0069
SB 5/10 GW 70	2432.0070
SB 5/10 GW 71	2432.0071
SB 5/10 GW 72	2432.0072
SB 5/10 GW 73	2432.0073
SB 5/10 GW 74	2432.0074
SB 5/10 GW 75	2432.0075
SB 5/10 GW 76	2432.0076
SB 5/10 GW 77	2432.0077
SB 5/10 GW 78	2432.0078
SB 5/10 GW 79	2432.0079
SB 5/10 GW 80	2432.0080
SB 5/10 GW 81	2432.0081
SB 5/10 GW 82	2432.0082
SB 5/10 GW 83	2432.0083
SB 5/10 GW 84	2432.0084
SB 5/10 GW 85	2432.0085
SB 5/10 GW 86	2432.0086
SB 5/10 GW 87	2432.0087
SB 5/10 GW 88	2432.0088
SB 5/10 GW 89	2432.0089
SB 5/10 GW 90	2432.0090
SB 5/10 GW 91	2432.0091
SB 5/10 GW 92	2432.0092
SB 5/10 GW 93	2432.0093
SB 5/10 GW 94	2432.0094
SB 5/10 GW 95	2432.0095
SB 5/10 GW 96	2432.0096
SB 5/10 GW 97	2432.0097
SB 5/10 GW 98	2432.0098
SB 5/10 GW 99	2432.0099
SB 5/10 GW 100	2432.0100
SB 5/10 GW A	2474.0001
SB 5/10 GW B	2474.0002
SB 5/10 GW C	2474.0003
SB 5/10 GW D	2474.0004
SB 5/10 GW E	2474.0005
SB 5/10 GW F	2474.0006
SB 5/10 GW G	2474.0007
SB 5/10 GW H	2474.0008
SB 5/10 GW I	2474.0009
SB 5/10 GW J	2474.0010
SB 5/10 GW K	2474.0011
SB 5/10 GW L	2474.0012
SB 5/10 GW M	2474.0013
SB 5/10 GW N	2474.0014
SB 5/10 GW O	2474.0015
SB 5/10 GW P	2474.0016
SB 5/10 GW Q	2474.0017
SB 5/10 GW R	2474.0018
SB 5/10 GW S	2474.0019
SB 5/10 GW T	2474.0020
SB 5/10 GW U	2474.0021
SB 5/10 GW V	2474.0022
SB 5/10 GW W	2474.0023
SB 5/10 GW X	2474.0024
SB 5/10 GW Y	2474.0025
SB 5/10 GW Z	2474.0026
SB 5/10 GW PE	2474.0027
SB 5/10 GW PEN	2474.0028
SB 5/10 GW MP	2474.0029
SB 5/10 GW SL	2474.0030
SB 5/10 GW T1	2474.0031
SB 5/10 GW T2	2474.0032
SB 5/10 GW T3	2474.0033
SB 5/10 GW +	2474.0034
SB 5/10 GW -	2474.0035
SB 5/10 GW ~	2474.0036
SB 5/10 GW Earth	2474.0037
SB 5/10 GW Earth with circuit	2474.0038

SB 5/...WH Pre-printed as shown Type	Cat. no.
SB 5/10 GS 1	2434.0001
SB 5/10 GS 2	2434.0002
SB 5/10 GS 3	2434.0003
SB 5/10 GS 4	2434.0004
SB 5/10 GS 5	2434.0005
SB 5/10 GS 6	2434.0006
SB 5/10 GS 7	2434.0007
SB 5/10 GS 8	2434.0008
SB 5/10 GS 9	2434.0009
SB 5/10 GS 10	2434.0010
SB 5/10 GS 11	2434.0011
SB 5/10 GS 12	2434.0012
SB 5/10 GS 13	2434.0013
SB 5/10 GS 14	2434.0014
SB 5/10 GS 15	2434.0015
SB 5/10 GS 16	2434.0016
SB 5/10 GS 17	2434.0017
SB 5/10 GS 18	2434.0018
SB 5/10 GS 19	2434.0019
SB 5/10 GS 20	2434.0020
SB 5/10 GS 21	2434.0021
SB 5/10 GS 22	2434.0022
SB 5/10 GS 23	2434.0023
SB 5/10 GS 24	2434.0024
SB 5/10 GS 25	2434.0025
SB 5/10 GS 26	2434.0026
SB 5/10 GS 27	2434.0027
SB 5/10 GS 28	2434.0028
SB 5/10 GS 29	2434.0029
SB 5/10 GS 30	2434.0030
SB 5/10 GS 31	2434.0031
SB 5/10 GS 32	2434.0032
SB 5/10 GS 33	2434.0033
SB 5/10 GS 34	2434.0034
SB 5/10 GS 35	2434.0035
SB 5/10 GS 36	2434.0036
SB 5/10 GS 37	2434.0037
SB 5/10 GS 38	2434.0038
SB 5/10 GS 39	2434.0039
SB 5/10 GS 40	2434.0040
SB 5/10 GS 41	2434.0041
SB 5/10 GS 42	2434.0042
SB 5/10 GS 43	2434.0043
SB 5/10 GS 44	2434.0044
SB 5/10 GS 45	2434.0045
SB 5/10 GS 46	2434.0046
SB 5/10 GS 47	2434.0047
SB 5/10 GS 48	2434.0048
SB 5/10 GS 49	2434.0049
SB 5/10 GS 50	2434.0050
SB 5/10 GS 51	2434.0051
SB 5/10 GS 52	2434.0052
SB 5/10 GS 53	2434.0053
SB 5/10 GS 54	2434.0054
SB 5/10 GS 55	2434.0055
SB 5/10 GS 56	2434.0056
SB 5/10 GS 57	2434.0057
SB 5/10 GS 58	2434.0058
SB 5/10 GS 59	2434.0059
SB 5/10 GS 60	2434.0060
SB 5/10 GS 61	2434.0061
SB 5/10 GS 62	2434.0062
SB 5/10 GS 63	2434.0063
SB 5/10 GS 64	2434.0064
SB 5/10 GS 65	2434.0065
SB 5/10 GS 66	2434.0066
SB 5/10 GS 67	2434.0067
SB 5/10 GS 68	2434.0068
SB 5/10 GS 69	2434.0069
SB 5/10 GS 70	2434.0070
SB 5/10 GS 71	2434.0071
SB 5/10 GS 72	2434.0072
SB 5/10 GS 73	2434.0073
SB 5/10 GS 74	2434.0074
SB 5/10 GS 75	2434.0075
SB 5/10 GS 76	2434.0076
SB 5/10 GS 77	2434.0077
SB 5/10 GS 78	2434.0078

SB 5/...WH Pre-printed as shown Type	Cat. no.
SB 5/10 GS 79	2434.0079
SB 5/10 GS 80	2434.0080
SB 5/10 GS 81	2434.0081
SB 5/10 GS 82	2434.0082
SB 5/10 GS 83	2434.0083
SB 5/10 GS 84	2434.0084
SB 5/10 GS 85	2434.0085
SB 5/10 GS 86	2434.0086
SB 5/10 GS 87	2434.0087
SB 5/10 GS 88	2434.0088
SB 5/10 GS 89	2434.0089
SB 5/10 GS 90	2434.0090
SB 5/10 GS 91	2434.0091
SB 5/10 GS 92	2434.0092
SB 5/10 GS 93	2434.0093
SB 5/10 GS 94	2434.0094
SB 5/10 GS 95	2434.0095
SB 5/10 GS 96	2434.0096
SB 5/10 GS 97	2434.0097
SB 5/10 GS 98	2434.0098
SB 5/10 GS 99	2434.0099
SB 5/10 GS 100	2434.0100
SB 5/10 GS A	2475.0001
SB 5/10 GS B	2475.0002
SB 5/10 GS C	2475.0003
SB 5/10 GS D	2475.0004
SB 5/10 GS E	2475.0005
SB 5/10 GS F	2475.0006
SB 5/10 GS G	2475.0007
SB 5/10 GS H	2475.0008
SB 5/10 GS I	2475.0009
SB 5/10 GS J	2475.0010
SB 5/10 GS K	2475.0011
SB 5/10 GS L	2475.0012
SB 5/10 GS M	2475.0013
SB 5/10 GS N	2475.0014
SB 5/10 GS O	2475.0015
SB 5/10 GS P	2475.0016
SB 5/10 GS Q	2475.0017
SB 5/10 GS R	2475.0018
SB 5/10 GS S	2475.0019
SB 5/10 GS T	2475.0020
SB 5/10 GS U	2475.0021
SB 5/10 GS V	2475.0022
SB 5/10 GS W	2475.0023
SB 5/10 GS X	2475.0024
SB 5/10 GS Y	2475.0025
SB 5/10 GS Z	2475.0026
SB 5/10 GS PE	2475.0027
SB 5/10 GS PEN	2475.0028
SB 5/10 GS MP	2475.0029
SB 5/10 GS SL	2475.0030
SB 5/10 GS T1	2475.0031
SB 5/10 GS T2	2475.0032
SB 5/10 GS T3	2475.0033
SB 5/10 GS +	2475.0034
SB 5/10 GS -	2475.0035
SB 5/10 GS ~	2475.0036
SB 5/10 GS Earth	2475.0037
SB 5/10 GS Earth with circuit	2475.0038

Terminal markers – Quick marking system SB

Quick marking system SB 6

The **SB 6** quick marking system is suitable for labelling all **CONTA-CLIP** terminals that are wider than 6 mm.

They are available in a variety of standard, pre-fabricated markers or with custom labelling.

The blank **SB 6** markers are also available as **MC SB 6/200 WH** (3301.7 on p. 356). They can easily be printed on using the **EMS** plotter system.

Material: Polyamide 6.6 UL 94-V2, halogen-free

SB 6 So WH

SB 6 FW

Type		Qty.
Type/colour		SB 6/10 WH
Cat. no.		**2035.0** 250
Type/colour	Special print	SB 6/10 So WH
Cat. no.		**2036.7**
Colours available		⑦

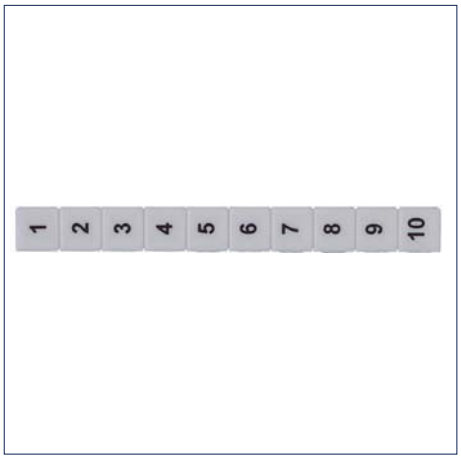
Characteristics

Dimensions	
Length x width, mm	5 x 6
Number of markers per row	10
Number of markers per card	-
Material	
Material	PA6.6, halogen-free
Temperature range	-40°C to +105°C
Flamm. class acc. to UL 94	V2
Inscription	
Printing process	Thermal transfer
Marker pen	BS-1
Plotter	EMS-2
Application	
Terminal width, mm	≥ 6

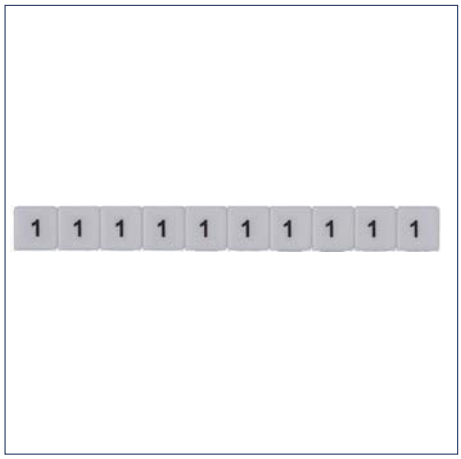
SB 6/...WH Pre-printed as shown Type	Cat. no.
SB 6/10 FW 1-10	**2036.0001**
SB 6/10 FW 11-20	**2036.0002**
SB 6/10 FW 21-30	**2036.0003**
SB 6/10 FW 31-40	**2036.0004**
SB 6/10 FW 41-50	**2036.0005**
SB 6/10 FW 51-60	**2036.0006**
SB 6/10 FW 61-70	**2036.0007**
SB 6/10 FW 71-80	**2036.0008**
SB 6/10 FW 81-90	**2036.0009**
SB 6/10 FW 91-100	**2036.0010**
SB 6/10 FW X1; Y1; Z1	**2989.0001**
SB 6/10 FW X2; Y2; Z2	**2989.0002**
SB 6/10 FW X3; Y3; Z3	**2989.0003**
SB 6/10 FW X4; Y4; Z4	**2989.0004**
SB 6/10 FW X5; Y5; Z5	**2989.0005**
SB 6/10 FW X6; Y6; Z6	**2989.0006**
SB 6/10 FW X7; Y7; Z7	**2989.0007**
SB 6/10 FW X8; Y8; Z8	**2989.0008**
SB 6/10 FW X9; Y9; Z9	**2989.0009**
SB 5/10 FW X10; Y10; Z10	**2989.0010**
SB 6/10 FW R1; S1; T1	**2989.0011**
SB 6/10 FW R2; S2; T2	**2989.0012**
SB 6/10 FW R3; S3; T3	**2989.0013**
SB 6/10 FW R4; S4; T4	**2989.0014**
SB 6/10 FW R5; S5; T5	**2989.0015**
SB 6/10 FW R6; S6; T6	**2989.0016**
SB 6/10 FW R7; S7; T7	**2989.0017**
SB 6/10 FW R8; S8; T8	**2989.0018**
SB 6/10 FW R9; S9; T9	**2989.0019**
SB 6/10 FW R10; S10; T10	**2989.0020**
SB 6/10 FW U1; V1; W1	**2989.0021**
SB 6/10 FW U2; V2; W2	**2989.0022**
SB 6/10 FW U3; V3; W3	**2989.0023**
SB 6/10 FW U4; V4; W4	**2989.0024**
SB 6/10 FW U5; V5; W5	**2989.0025**
SB 6/10 FW U6; V6; W6	**2989.0026**
SB 6/10 FW U7; V7; W7	**2989.0027**
SB 6/10 FW U8; V8; W8	**2989.0028**
SB 6/10 FW U9; V9; W9	**2989.0029**
SB 6/10 FW U10; V10; W10	**2989.0030**
SB 6/10 FW U; V; W; N; PE	**2040.0001**
SB 6/10 FW R; S; T; N; Earth with circuit	**2040.0002**
SB 6/10 FW L1; L2; L3; N; PE	**2040.0003**
SB 6/10 FW L1; L2; L3; N;Earth with circuit	**2040.0004**
SB 6/10 FS 1-10	**2037.0001**
SB 6/10 FS 11-20	**2037.0002**
SB 6/10 FS 21-30	**2037.0003**
SB 6/10 FS 31-40	**2037.0004**
SB 6/10 FS 41-50	**2037.0005**
SB 6/10 FS 51-60	**2037.0006**
SB 6/10 FS 61-70	**2037.0007**
SB 6/10 FS 71-80	**2037.0008**
SB 6/10 FS 81-90	**2037.0009**
SB 6/10 FS 91-100	**2037.0010**
SB 6/10 FS X1; Y1; Z1	**2990.0001**
SB 6/10 FS X2; Y2; Z2	**2990.0002**
SB 6/10 FS X3; Y3; Z3	**2990.0003**
SB 6/10 FS X4; Y4; Z4	**2990.0004**
SB 6/10 FS X5; Y5; Z5	**2990.0005**
SB 6/10 FS X6; Y6; Z6	**2990.0006**
SB 6/10 FS X7; Y7; Z7	**2990.0007**
SB 6/10 FS X8; Y8; Z8	**2990.0008**
SB 6/10 FS X9; Y9; Z9	**2990.0009**
SB 6/10 FS X10; Y10; Z10	**2990.0010**
SB 6/10 FS R1; S1; T1	**2990.0011**
SB 6/10 FS R2; S2; T2	**2990.0012**
SB 6/10 FS R3; S3; T3	**2990.0013**
SB 6/10 FS R4; S4; T4	**2990.0014**
SB 6/10 FS R5; S5; T5	**2990.0015**
SB 6/10 FS R6; S6; T6	**2990.0016**
SB 6/10 FS R7; S7; T7	**2990.0017**
SB 6/10 FS R8; S8; T8	**2990.0018**
SB 6/10 FS R9; S9; T9	**2990.0019**
SB 6/10 FS R10; S10; T10	**2990.0020**

SB 6/...WH Pre-printed as shown Type	Cat. no.
SB 6/10 FS U1; V1; W1	**2990.0021**
SB 6/10 FS U2; V2; W2	**2990.0022**
SB 6/10 FS U3; V3; W3	**2990.0023**
SB 6/10 FS U4; V4; W4	**2990.0024**
SB 6/10 FS U5; V5; W5	**2990.0025**
SB 6/10 FS U6; V6; W6	**2990.0026**
SB 6/10 FS U7; V7; W7	**2990.0027**
SB 6/10 FS U8; V8; W8	**2990.0028**
SB 6/10 FS U9; V9; W9	**2990.0029**
SB 6/10 FS U10; V10; W10	**2990.0030**
SB 6/10 FS U; V; W; N; PE	**2149.0001**
SB 6/10 FS R; S; T; N; Earth with circuit	**2149.0002**
SB 6/10 FS L1; L2; L3; N; PE	**2149.0003**
SB 6/10 FW L1; L2; L3; N;Earth with circuit	**2149.0004**
SB 6/10 GW 1	**2102.0001**
SB 6/10 GW 2	**2102.0002**
SB 6/10 GW 3	**2102.0003**
SB 6/10 GW 4	**2102.0004**
SB 6/10 GW 5	**2102.0005**
SB 6/10 GW 6	**2102.0006**
SB 6/10 GW 7	**2102.0007**
SB 6/10 GW 8	**2102.0008**
SB 6/10 GW 9	**2102.0009**
SB 6/10 GW 10	**2102.0010**
SB 6/10 GW 11	**2102.0011**
SB 6/10 GW 12	**2102.0012**
SB 6/10 GW 13	**2102.0013**
SB 6/10 GW 14	**2102.0014**
SB 6/10 GW 15	**2102.0015**
SB 6/10 GW 16	**2102.0016**
SB 6/10 GW 17	**2102.0017**
SB 6/10 GW 18	**2102.0018**
SB 6/10 GW 19	**2102.0019**
SB 6/10 GW 20	**2102.0020**
SB 6/10 GW 21	**2102.0021**
SB 6/10 GW 22	**2102.0022**
SB 6/10 GW 23	**2102.0023**
SB 6/10 GW 24	**2102.0024**
SB 6/10 GW 25	**2102.0025**
SB 6/10 GW 26	**2102.0026**
SB 6/10 GW 27	**2102.0027**
SB 6/10 GW 28	**2102.0028**
SB 6/10 GW 29	**2102.0029**
SB 6/10 GW 30	**2102.0030**
SB 6/10 GW 31	**2102.0031**
SB 6/10 GW 32	**2102.0032**
SB 6/10 GW 33	**2102.0033**
SB 6/10 GW 34	**2102.0034**
SB 6/10 GW 35	**2102.0035**
SB 6/10 GW 36	**2102.0036**
SB 6/10 GW 37	**2102.0037**
SB 6/10 GW 38	**2102.0038**
SB 6/10 GW 39	**2102.0039**
SB 6/10 GW 40	**2102.0040**
SB 6/10 GW 41	**2102.0041**
SB 6/10 GW 42	**2102.0042**
SB 4/50 GW 43	**2102.0043**
SB 6/10 GW 44	**2102.0044**
SB 6/10 GW 45	**2102.0045**
SB 6/10 GW 46	**2102.0046**
SB 6/10 GW 47	**2102.0047**
SB 6/10 GW 48	**2102.0048**
SB 6/10 GW 49	**2102.0049**
SB 6/10 GW 50	**2102.0050**
SB 6/10 GW 51	**2102.0051**
SB 6/10 GW 52	**2102.0052**
SB 6/10 GW 53	**2102.0053**
SB 6/10 GW 54	**2102.0054**
SB 6/10 GW 55	**2102.0055**
SB 6/10 GW 56	**2102.0056**
SB 6/10 GW 57	**2102.0057**
SB 6/10 GW 58	**2102.0058**
SB 6/10 GW 59	**2102.0059**
SB 6/10 GW 60	**2102.0060**
SB 6/10 GW 61	**2102.0061**
SB 6/10 GW 62	**2102.0062**

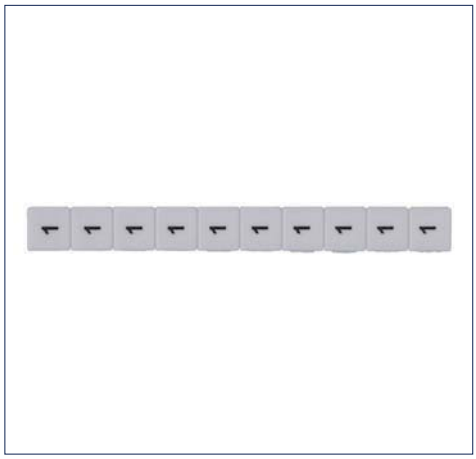
SB 6 FS



SB 6 GW



SB 6 GS



SB 6/...WH Pre-printed as shown Type	Cat. no.
SB 6/10 GW 63	2102.0063
SB 6/10 GW 64	2102.0064
SB 6/10 GW 65	2102.0065
SB 6/10 GW 66	2102.0066
SB 6/10 GW 67	2102.0067
SB 6/10 GW 68	2102.0068
SB 6/10 GW 69	2102.0069
SB 6/10 GW 70	2102.0070
SB 6/10 GW 71	2102.0071
SB 6/10 GW 72	2102.0072
SB 6/10 GW 73	2102.0073
SB 6/10 GW 74	2102.0074
SB 6/10 GW 75	2102.0075
SB 6/10 GW 76	2102.0076
SB 6/10 GW 77	2102.0077
SB 6/10 GW 78	2102.0078
SB 6/10 GW 79	2102.0079
SB 6/10 GW 80	2102.0080
SB 6/10 GW 81	2102.0081
SB 6/10 GW 82	2102.0082
SB 6/10 GW 83	2102.0083
SB 6/10 GW 84	2102.0084
SB 6/10 GW 85	2102.0085
SB 6/10 GW 86	2102.0086
SB 6/10 GW 87	2102.0087
SB 6/10 GW 88	2102.0088
SB 6/10 GW 89	2102.0089
SB 6/10 GW 90	2102.0090
SB 6/10 GW 91	2102.0091
SB 6/10 GW 92	2102.0092
SB 6/10 GW 93	2102.0093
SB 6/10 GW 94	2102.0094
SB 6/10 GW 95	2102.0095
SB 6/10 GW 96	2102.0096
SB 6/10 GW 97	2102.0097
SB 6/10 GW 98	2102.0098
SB 6/10 GW 99	2102.0099
SB 6/10 GW 100	2102.0100
SB 6/10 GW A	2157.0001
SB 6/10 GW B	2157.0002
SB 6/10 GW C	2157.0003
SB 6/10 GW D	2157.0004
SB 6/10 GW E	2157.0005
SB 6/10 GW F	2157.0006
SB 6/10 GW G	2157.0007
SB 6/10 GW H	2157.0008
SB 6/10 GW I	2157.0009
SB 6/10 GW J	2157.0010
SB 6/10 GW K	2157.0011
SB 6/10 GW L	2157.0012
SB 6/10 GW M	2157.0013
SB 6/10 GW N	2157.0014
SB 6/10 GW O	2157.0015
SB 6/10 GW P	2157.0016
SB 6/10 GW Q	2157.0017
SB 6/10 GW R	2157.0018
SB 6/10 GW S	2157.0019
SB 6/10 GW T	2157.0020
SB 6/10 GW U	2157.0021
SB 6/10 GW V	2157.0022
SB 6/10 GW W	2157.0023
SB 6/10 GW X	2157.0024
SB 6/10 GW Y	2157.0025
SB 6/10 GW Z	2157.0026
SB 6/10 GW PE	2157.0027
SB 6/10 GW PEN	2157.0028
SB 6/10 GW MP	2157.0029
SB 6/10 GW SL	2157.0030
SB 6/10 GW T1	2157.0031
SB 6/10 GW T2	2157.0032
SB 6/10 GW T3	2157.0033
SB 6/10 GW +	2175.0001
SB 6/10 GW -	2175.0002
SB 6/10 GW ~	2175.0003
SB 6/10 GW Earth	2175.0004
SB 6/10 GW Earth with circuit	2175.0005

SB 6/...WH Pre-printed as shown Type	Cat. no.
SB 6/10 GS 1	2103.0001
SB 6/10 GS 2	2103.0002
SB 6/10 GS 3	2103.0003
SB 6/10 GS 4	2103.0004
SB 6/10 GS 5	2103.0005
SB 6/10 GS 6	2103.0006
SB 6/10 GS 7	2103.0007
SB 6/10 GS 8	2103.0008
SB 6/10 GS 9	2103.0009
SB 6/10 GS 10	2103.0010
SB 6/10 GS 11	2103.0011
SB 6/10 GS 12	2103.0012
SB 6/10 GS 13	2103.0013
SB 6/10 GS 14	2103.0014
SB 6/10 GS 15	2103.0015
SB 6/10 GS 16	2103.0016
SB 6/10 GS 17	2103.0017
SB 6/10 GS 18	2103.0018
SB 6/10 GS 19	2103.0019
SB 6/10 GS 20	2103.0020
SB 6/10 GS 21	2103.0021
SB 6/10 GS 22	2103.0022
SB 6/10 GS 23	2103.0023
SB 6/10 GS 24	2103.0024
SB 6/10 GS 25	2103.0025
SB 6/10 GS 26	2103.0026
SB 6/10 GS 27	2103.0027
SB 6/10 GS 28	2103.0028
SB 6/10 GS 29	2103.0029
SB 6/10 GS 30	2103.0030
SB 6/10 GS 31	2103.0031
SB 6/10 GS 32	2103.0032
SB 6/10 GS 33	2103.0033
SB 6/10 GS 34	2103.0034
SB 6/10 GS 35	2103.0035
SB 6/10 GS 36	2103.0036
SB 6/10 GS 37	2103.0037
SB 6/10 GS 38	2103.0038
SB 6/10 GS 39	2103.0039
SB 6/10 GS 40	2103.0040
SB 6/10 GS 41	2103.0041
SB 6/10 GS 42	2103.0042
SB 6/10 GS 43	2103.0043
SB 6/10 GS 44	2103.0044
SB 6/10 GS 45	2103.0045
SB 6/10 GS 46	2103.0046
SB 6/10 GS 47	2103.0047
SB 6/10 GS 48	2103.0048
SB 6/10 GS 49	2103.0049
SB 6/10 GS 50	2103.0050
SB 6/10 GS 51	2103.0051
SB 6/10 GS 52	2103.0052
SB 6/10 GS 53	2103.0053
SB 6/10 GS 54	2103.0054
SB 6/10 GS 55	2103.0055
SB 6/10 GS 56	2103.0056
SB 6/10 GS 57	2103.0057
SB 6/10 GS 58	2103.0058
SB 6/10 GS 59	2103.0059
SB 6/10 GS 60	2103.0060
SB 6/10 GS 61	2103.0061
SB 6/10 GS 62	2103.0062
SB 6/10 GS 63	2103.0063
SB 6/10 GS 64	2103.0064
SB 6/10 GS 65	2103.0065
SB 6/10 GS 66	2103.0066
SB 6/10 GS 67	2103.0067
SB 6/10 GS 68	2103.0068
SB 6/10 GS 69	2103.0069
SB 6/10 GS 70	2103.0070
SB 6/10 GS 71	2103.0071
SB 6/10 GS 72	2103.0072
SB 6/10 GS 73	2103.0073
SB 6/10 GS 74	2103.0074
SB 6/10 GS 75	2103.0075
SB 6/10 GS 76	2103.0076
SB 6/10 GS 77	2103.0077
SB 6/10 GS 78	2103.0078

SB 6/...WH Pre-printed as shown Type	Cat. no.
SB 6/10 GS 79	2103.0079
SB 6/10 GS 80	2103.0080
SB 6/10 GS 81	2103.0081
SB 6/10 GS 82	2103.0082
SB 6/10 GS 83	2103.0083
SB 6/10 GS 84	2103.0084
SB 6/10 GS 85	2103.0085
SB 6/10 GS 86	2103.0086
SB 6/10 GS 87	2103.0087
SB 6/10 GS 88	2103.0088
SB 6/10 GS 89	2103.0089
SB 6/10 GS 90	2103.0090
SB 6/10 GS 91	2103.0091
SB 6/10 GS 92	2103.0092
SB 6/10 GS 93	2103.0093
SB 6/10 GS 94	2103.0094
SB 6/10 GS 95	2103.0095
SB 6/10 GS 96	2103.0096
SB 6/10 GS 97	2103.0097
SB 6/10 GS 98	2103.0098
SB 6/10 GS 99	2103.0099
SB 6/10 GS 100	2103.0100
SB 6/10 GS A	2161.0001
SB 6/10 GS B	2161.0002
SB 6/10 GS C	2161.0003
SB 6/10 GS D	2161.0004
SB 6/10 GS E	2161.0005
SB 6/10 GS F	2161.0006
SB 6/10 GS G	2161.0007
SB 6/10 GS H	2161.0008
SB 6/10 GS I	2161.0009
SB 6/10 GS J	2161.0010
SB 6/10 GS K	2161.0011
SB 6/10 GS L	2161.0012
SB 6/10 GS M	2161.0013
SB 6/10 GS N	2161.0014
SB 6/10 GS O	2161.0015
SB 6/10 GS P	2161.0016
SB 6/10 GS Q	2161.0017
SB 6/10 GS R	2161.0018
SB 6/10 GS S	2161.0019
SB 6/10 GS T	2161.0020
SB 6/10 GS U	2161.0021
SB 6/10 GS V	2161.0022
SB 6/10 GS W	2161.0023
SB 6/10 GS X	2161.0024
SB 6/10 GS Y	2161.0025
SB 6/10 GS Z	2161.0026
SB 6/10 GS PE	2161.0027
SB 6/10 GS PEN	2161.0028
SB 6/10 GS MP	2161.0029
SB 6/10 GS SL	2161.0030
SB 6/10 GS T1	2161.0031
SB 6/10 GS T2	2161.0032
SB 6/10 GS T3	2161.0033
SB 6/10 GS +	2161.0034
SB 6/10 GS -	2161.0035
SB 6/10 GS ~	2161.0036
SB 6/10 GS Earth	2161.0037
SB 6/10 GS Earth with circuit	2161.0038

Terminal markers – Quick marking system SB

Quick marking system SB 8

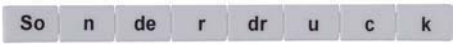
The **SB 8** quick marking system is suitable for labelling all **CONTA-CLIP** terminals that are wider than 6 mm.

They are available in a variety of standard, prefabricated markers or with custom labelling.

The blank **SB 8** markers are also available as **MC SB 8/160 WH** (3328.7 on p. 357). They can easily be printed on using the **EMS** plotter system.

Material: polyamide 6.6 UL 94-V2, halogen-free
Halogen-free

SB 8 So WH



SB 8 FW

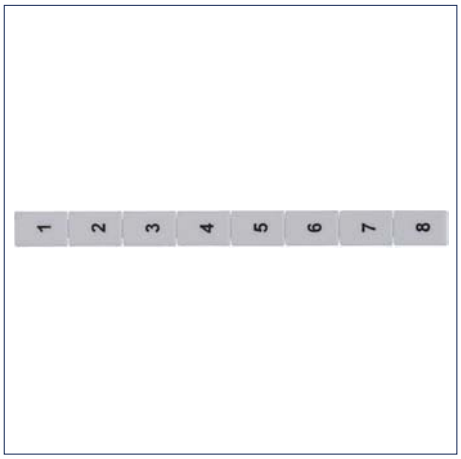
Type		Qty.
Type/colour	Special print	SB 8/8 WH
Cat. no.		**2940.0** 240
Type/colour		SB 8/8 So WH
Cat. no.		**2941.7** 240
Colours available		⑦

Characteristics	
Dimensions	
Length x width, mm	5 x 8
Number of markers per row	8
Number of markers per card	-
Material	
Material	PA6.6, halogen-free
Temperature range	-40°C to +105°C
Flamm. class acc. to UL 94	V2
Inscription	
Printing process	Thermal transfer
Marker pen	BS-1
Plotter	EMS
Application	
Terminal width, mm	≥ 8

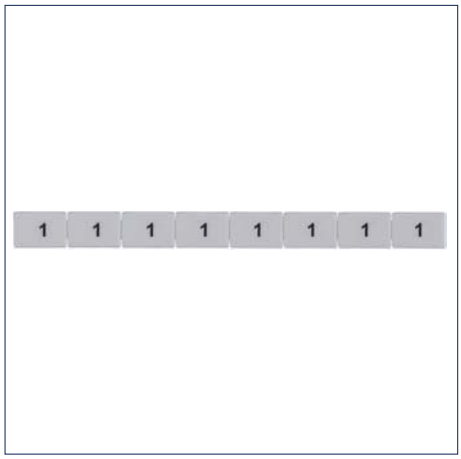
SB 8/...WH Pre-printed as shown Type	Cat. no.
SB 8/8 FW 1-8	**9476.0001**
SB 8/8 FW 9-16	**9476.0002**
SB 8/8 FW 17-24	**9476.0003**
SB 8/8 FW 25-32	**9476.0004**
SB 8/8 FW 33-40	**9476.0005**
SB 8/8 FW 41-48	**9476.0006**
SB 8/8 FW 49-56	**9476.0007**
SB 8/8 FW 57-64	**9476.0008**
SB 8/8 FW 65-72	**9476.0009**
SB 8/8 FW 73-80	**9476.0010**
SB 8/8 FW 81-88	**9476.0011**
SB 8/8 FW 89-96	**9476.0012**
SB 8/8 FW 97-104	**9476.0013**
SB 8/8 FW 105-112	**9476.0014**
SB 8/8 FW 113-120	**9476.0015**
SB 8/8 FW X1; Y1; Z1	**9480.0001**
SB 8/8 FW X2; Y2; Z2	**9480.0002**
SB 8/8 FW X3; Y3; Z3	**9480.0003**
SB 8/8 FW X4; Y4; Z4	**9480.0004**
SB 8/8 FW X5; Y5; Z5	**9480.0005**
SB 8/8 FW X6; Y6; Z6	**9480.0006**
SB 8/8 FW X7; Y7; Z7	**9480.0007**
SB 8/8 FW X8; Y8; Z8	**9480.0008**
SB 8/8 FW X9; Y9; Z9	**9480.0009**
SB 5/10 FW X10; Y10; Z10	**9480.0010**
SB 8/8 FW R1; S1; T1	**9480.0011**
SB 8/8 FW R2; S2; T2	**9480.0012**
SB 8/8 FW R3; S3; T3	**9480.0013**
SB 8/8 FW R4; S4; T4	**9480.0014**
SB 8/8 FW R5; S5; T5	**9480.0015**
SB 8/8 FW R6; S6; T6	**9480.0016**
SB 8/8 FW R7; S7; T7	**9480.0017**
SB 8/8 FW R8; S8; T8	**9480.0018**
SB 8/8 FW R9; S9; T9	**9480.0019**
SB 8/8 FW R10; S10; T10	**9480.0020**
SB 8/8 FW U1; V1; W1	**9480.0021**
SB 8/8 FW U2; V2; W2	**9480.0022**
SB 8/8 FW U3; V3; W3	**9480.0023**
SB 8/8 FW U4; V4; W4	**9480.0024**
SB 8/8 FW U5; V5; W5	**9480.0025**
SB 8/8 FW U6; V6; W6	**9480.0026**
SB 8/8 FW U7; V7; W7	**9480.0027**
SB 8/8 FW U8; V8; W8	**9480.0028**
SB 8/8 FW U9; V9; W9	**9480.0029**
SB 8/8 FW U10; V10; W10	**9480.0030**
SB 8/8 FW U; V; W; N; PE	**9481.0001**
SB 8/8 FW R; S; T; N; Earth with circuit	**9481.0002**
SB 8/8 FW L1; L2; L3; N; PE	**9481.0003**
SB 8/8 FW L1; L2; L3; N; Earth with circuit	**9481.0004**
SB 8/8 FS 1-8	**9477.0001**
SB 8/8 FS 9-16	**9477.0002**
SB 8/8 FS 17-24	**9477.0003**
SB 8/8 FS 25-32	**9477.0004**
SB 8/8 FS 33-40	**9477.0005**
SB 8/8 FS 41-48	**9477.0006**
SB 8/8 FS 49-56	**9477.0007**
SB 8/8 FS 57-64	**9477.0008**
SB 8/8 FS 65-72	**9477.0009**
SB 8/8 FS 73-80	**9477.0010**
SB 8/8 FS 81-88	**9477.0011**
SB 8/8 FS 89-96	**9477.0012**
SB 8/8 FS 97-104	**9477.0013**
SB 8/8 FS 105-112	**9477.0014**
SB 8/8 FS 113-120	**9477.0015**
SB 8/8 FS X1; Y1; Z1	**9482.0001**
SB 8/8 FS X2; Y2; Z2	**9482.0002**
SB 8/8 FS X3; Y3; Z3	**9482.0003**
SB 8/8 FS X4; Y4; Z4	**9482.0004**
SB 8/8 FS X5; Y5; Z5	**9482.0005**
SB 8/8 FS X6; Y6; Z6	**9482.0006**
SB 8/8 FS X7; Y7; Z7	**9482.0007**
SB 8/8 FS X8; Y8; Z8	**9482.0008**
SB 8/8 FS X9; Y9; Z9	**9482.0009**
SB 5/10 FS X10; Y10; Z10	**9482.0010**

SB 8/...WH Pre-printed as shown Type	Cat. no.
SB 8/8 FS R1; S1; T1	**9482.0011**
SB 8/8 FS R2; S2; T2	**9482.0012**
SB 8/8 FS R3; S3; T3	**9482.0013**
SB 8/8 FS R4; S4; T4	**9482.0014**
SB 8/8 FS R5; S5; T5	**9482.0015**
SB 8/8 FS R6; S6; T6	**9482.0016**
SB 8/8 FS R7; S7; T7	**9482.0017**
SB 8/8 FS R8; S8; T8	**9482.0018**
SB 8/8 FS R9; S9; T9	**9482.0019**
SB 8/8 FS R10; S10; T10	**9482.0020**
SB 8/8 FS U1; V1; W1	**9482.0021**
SB 8/8 FS U2; V2; W2	**9482.0022**
SB 8/8 FS U3; V3; W3	**9482.0023**
SB 8/8 FS U4; V4; W4	**9482.0024**
SB 8/8 FS U5; V5; W5	**9482.0025**
SB 8/8 FS U6; V6; W6	**9482.0026**
SB 8/8 FS U7; V7; W7	**9482.0027**
SB 8/8 FS U8; V8; W8	**9482.0028**
SB 8/8 FS U9; V9; W9	**9482.0029**
SB 8/8 FS U10; V10; W10	**9482.0030**
SB 8/8 FS U; V; W; N; PE	**9483.0001**
SB 8/8 FS R; S; T; N; Earth with circuit	**9483.0002**
SB 8/8 FS L1; L2; L3; N; PE	**9483.0003**
SB 8/8 FW L1; L2; L3; N; Earth with circuit	**9483.0004**
SB 8/8 GW 0	**9478.0000**
SB 8/8 GW 1	**9478.0001**
SB 8/8 GW 2	**9478.0002**
SB 8/8 GW 3	**9478.0003**
SB 8/8 GW 4	**9478.0004**
SB 8/8 GW 5	**9478.0005**
SB 8/8 GW 6	**9478.0006**
SB 8/8 GW 7	**9478.0007**
SB 8/8 GW 8	**9478.0008**
SB 8/8 GW 9	**9478.0009**
SB 8/8 GW X	**9478.0010**
SB 8/8 GW PE	**9478.0011**
SB 8/8 GW L1	**9478.0012**
SB 8/8 GW L2	**9478.0013**
SB 8/8 GW L3	**9478.0014**
SB 8/8 GW N	**9478.0015**
SB 8/8 GW +	**9478.0016**
SB 8/8 GW -	**9478.0017**
SB 8/8 GW A	**9484.0001**
SB 8/8 GW B	**9484.0002**
SB 8/8 GW C	**9484.0003**
SB 8/8 GW D	**9484.0004**
SB 8/8 GW E	**9484.0005**
SB 8/8 GW F	**9484.0006**
SB 8/8 GW G	**9484.0007**
SB 8/8 GW H	**9484.0008**
SB 8/8 GW I	**9484.0009**
SB 8/8 GW J	**9484.0010**
SB 8/8 GW K	**9484.0011**
SB 8/8 GW L	**9484.0012**
SB 8/8 GW M	**9484.0013**
SB 8/8 GW N	**9484.0014**
SB 8/8 GW O	**9484.0015**
SB 8/8 GW P	**9484.0016**
SB 8/8 GW Q	**9484.0017**
SB 8/8 GW R	**9484.0018**
SB 8/8 GW S	**9484.0019**
SB 8/8 GW T	**9484.0020**
SB 8/8 GW U	**9484.0021**
SB 8/8 GW V	**9484.0022**
SB 8/8 GW W	**9484.0023**
SB 8/8 GW X	**9484.0024**
SB 8/8 GW Y	**9484.0025**
SB 8/8 GW Z	**9484.0026**
SB 8/8 GW PE	**9484.0027**
SB 8/8 GW PEN	**9484.0028**
SB 8/8 GW MP	**9484.0029**
SB 8/8 GW SL	**9484.0030**
SB 8/8 GW T1	**9484.0031**
SB 8/8 GW T2	**9484.0032**
SB 8/8 GW T3	**9484.0033**

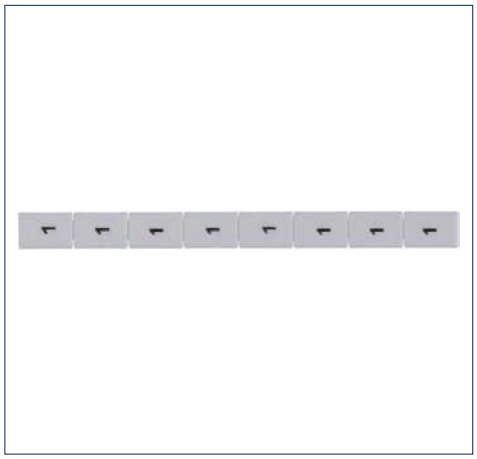
SB 8 FS



SB 8 GW



SB 8 GS



SB 8/...WH Pre-printed as shown Type	Cat. no.
SB 8/8 GW +	9484.0034
SB 8/8 GW -	9484.0035
SB 8/8 GW ~	9484.0036
SB 8/8 GW Earth	9484.0037
SB 8/8 GW Earth with circuit	9484.0038
SB 8/8 GS 0	9479.0000
SB 8/8 GS 1	9479.0001
SB 8/8 GS 2	9479.0002
SB 8/8 GS 3	9479.0003
SB 8/8 GS 4	9479.0004
SB 8/8 GS 5	9479.0005
SB 8/8 GS 6	9479.0006
SB 8/8 GS 7	9479.0007
SB 8/8 GS 8	9479.0008
SB 8/8 GS 9	9479.0009
SB 8/8 GS X	9479.0010
SB 8/8 GS PE	9479.0011
SB 8/8 GS L1	9479.0012
SB 8/8 GS L2	9479.0013
SB 8/8 GS L3	9479.0014
SB 8/8 GS N	9479.0015
SB 8/8 GS +	9479.0016
SB 8/8 GS -	9479.0017
SB 8/8 GS A	9485.0001
SB 8/8 GS B	9485.0002
SB 8/8 GS C	9485.0003
SB 8/8 GS D	9485.0004
SB 8/8 GS E	9485.0005
SB 8/8 GS F	9485.0006
SB 8/8 GS G	9485.0007
SB 8/8 GS H	9485.0008
SB 8/8 GS I	9485.0009
SB 8/8 GS J	9485.0010
SB 8/8 GS K	9485.0011
SB 8/8 GS L	9485.0012
SB 8/8 GS M	9485.0013
SB 8/8 GS N	9485.0014
SB 8/8 GS O	9485.0015
SB 8/8 GS P	9485.0016
SB 8/8 GS Q	9485.0017
SB 8/8 GS R	9485.0018
SB 8/8 GS S	9485.0019
SB 8/8 GS T	9485.0020
SB 8/8 GS U	9485.0021
SB 8/8 GS V	9485.0022
SB 8/8 GS W	9485.0023
SB 8/8 GS X	9485.0024
SB 8/8 GS Y	9485.0025
SB 8/8 GS Z	9485.0026
SB 8/8 GS PE	9485.0027
SB 8/8 GS PEN	9485.0028
SB 8/8 GS MP	9485.0029
SB 8/8 GS SL	9485.0030
SB 8/8 GS T1	9485.0031
SB 8/8 GS T2	9485.0032
SB 8/8 GS T3	9485.0033
SB 8/8 GS +	9485.0034
SB 8/8 GS -	9485.0035
SB 8/8 GS ~	9485.0036
SB 8/8 GS Earth	9485.0037
SB 8/8 GS Earth with circuit	9485.0038

Terminal markers – Quick marking system AS 3/10

Quick marking system AS 3/10

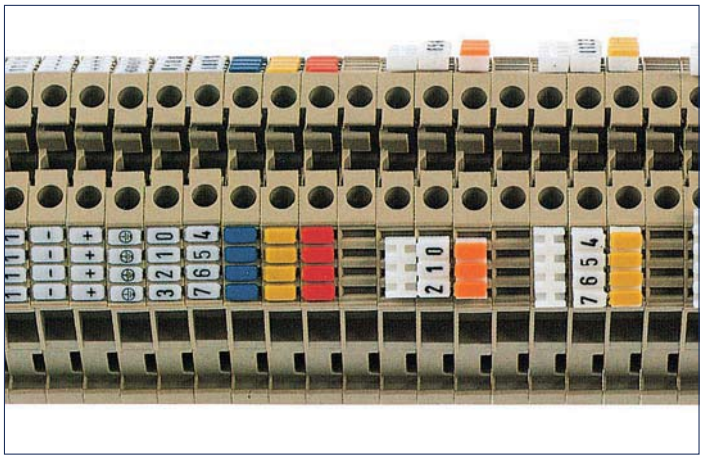
The **AS 3/10** are suitable for labelling all terminal blocks, end stops or marker holders wider than 5 mm.

The compact shape and one-character inscription allow the printed standard tags to be put together in any combination. Two or four tags (depending on the terminal block or end stop) can be attached to a single terminal. The markers can be attached to the **SchT** marker holder so that they are read vertically with from three to twelve characters.

Material: Polyamide 6.6 UL 94-V2, halogen-free

AS 3/10 strips

AS 3/10



Type	Qty.
Type/colour	AS 3/10 WH
Cat. no.	**2571.0** 500
Type/colour	
Cat. no.	
Colours available	.7 .5 .3 .1 .8 .9 *

Characteristics

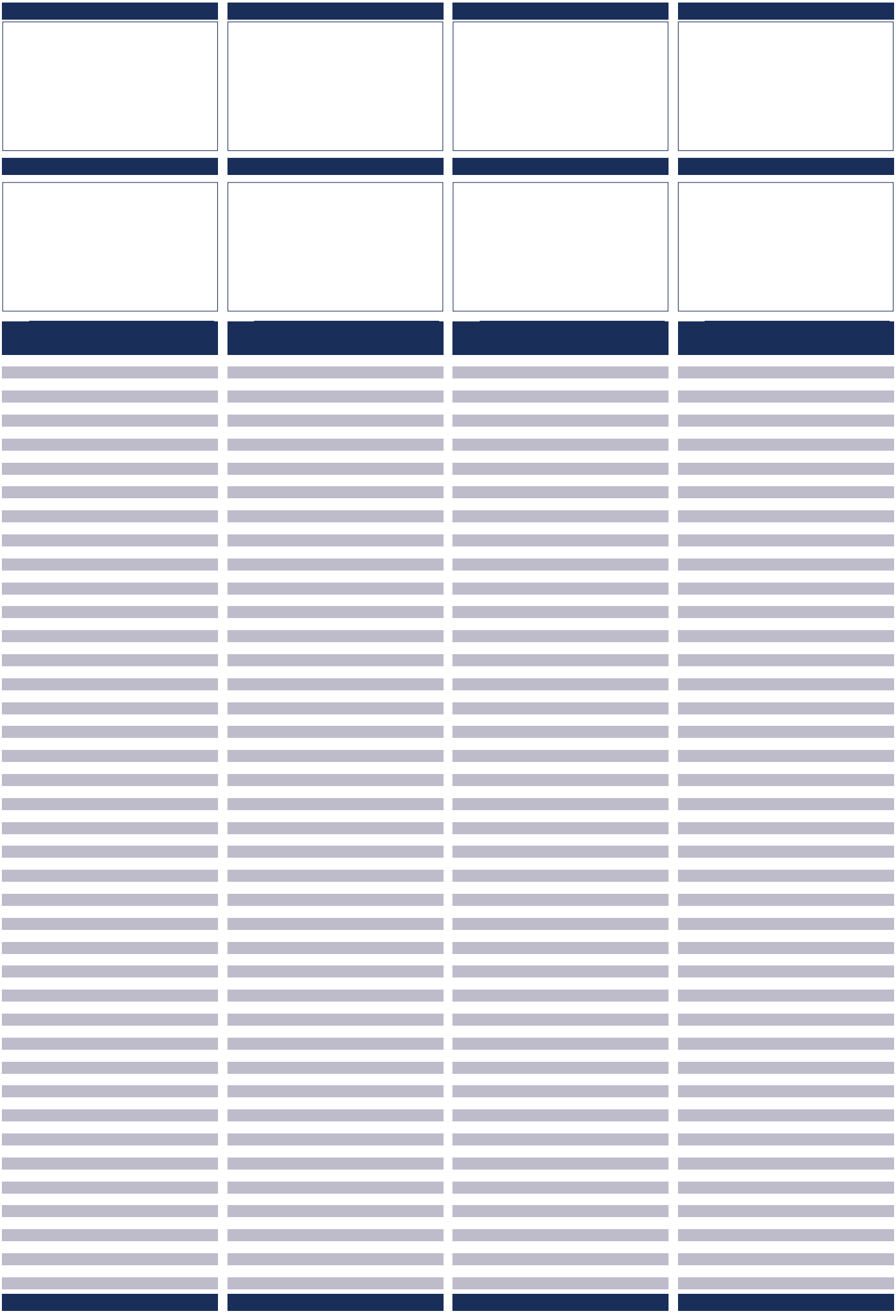
Dimensions	
Length x width, mm	5 x 2,5
Number of markers per row	10
Number of markers per card	-
Material	
Material	PA6.6, halogen-free
Temperature range	-40°C to +105°C
Flamm. class acc. to UL 94	V2
Inscription	
Printing process	Hot stamping process
Marker pen	BS-1
Plotter	-
Plotter inlay	-
Number of characters | lines when using font size 16 and plotter pen 0.25: horizontal	-
Number of characters | lines when using font size 16 and plotter pen 0.25: vertical	-
Application	
Terminal width, mm	≥ 5

Accessories	Qty.
Marker holder SchT	SchT 3/AS 3
Cat. no.	**2616.0** 100
Marker holder SchT	SchT 4/AS 3
Cat. no.	**2617.0** 100
Marker holder SchT	SchT 5/AS 3
Cat. no.	**2618.0** 100
Marker holder SchT	SchT 6/AS 3
Cat. no.	**2619.0** 100
Marker holder SchT	SchT 4/8
Cat. no.	**2528.0** 100
Marker holder SchT	SchT 6/12
Cat. no.	**2529.0** 100
Marker holder SchT	SchT 12
Cat. no.	**2531.0** 100

AS 3/10...WH Pre-printed as shown

Type	Cat. no.
AS 3/10 G 0	**2573.0000**
AS 3/10 G 1	**2573.0001**
AS 3/10 G 2	**2573.0002**
AS 3/10 G 3	**2573.0003**
AS 3/10 G 4	**2573.0004**
AS 3/10 G 5	**2573.0005**
AS 3/10 G 6	**2573.0006**
AS 3/10 G 7	**2573.0007**
AS 3/10 G 8	**2573.0008**
AS 3/10 G 9	**2573.0009**
AS 3/10 G A	**2573.0200**
AS 3/10 G B	**2573.0201**
AS 3/10 G C	**2573.0202**
AS 3/10 G D	**2573.0203**
AS 3/10 G E	**2573.0204**
AS 3/10 G F	**2573.0205**
AS 3/10 G G	**2573.0206**
AS 3/10 G H	**2573.0207**
AS 3/10 G I	**2573.0208**
AS 3/10 G J	**2573.0209**
AS 3/10 G K	**2573.0210**
AS 3/10 G L	**2573.0211**
AS 3/10 G M	**2573.0212**
AS 3/10 G N	**2573.0213**
AS 3/10 G O	**2573.0214**
AS 3/10 G P	**2573.0215**
AS 3/10 G Q	**2573.0216**
AS 3/10 G R	**2573.0217**
AS 3/10 G S	**2573.0218**
AS 3/10 G T	**2573.0219**
AS 3/10 G U	**2573.0220**
AS 3/10 G V	**2573.0221**
AS 3/10 G W	**2573.0222**
AS 3/10 G X	**2573.0223**
AS 3/10 G Y	**2573.0224**
AS 3/10 G Z	**2573.0225**
AS 3/10 G +	**2573.0419**
AS 3/10 G -	**2573.0420**
AS 3/10 G ~	**2573.0408**
AS 3/10 G Earth with circuit	**2573.0407**

* Standard inscription is only available with colour WH.

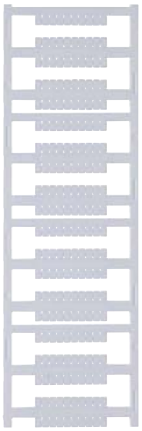


Terminal markers – Maxicard MC SB and MC BSTR

Maxicard MC SB BSTR

The Maxicard **SB** and **BSTR** series are multi-functional marking systems for marking **CONTA-CLIP** terminal blocks.
The **MC BSTR** provides the ideal solution for longer strings of characters. The **MC BSTR 5/... MI** variants are fitted with a centrally positioned foot that is used when the standard **BSTR** markers cover the cross-connection channel or wire entry.
They are available blank or with custom printing. The blank Maxicards can easily be printed on using the **EMS** plotter system.

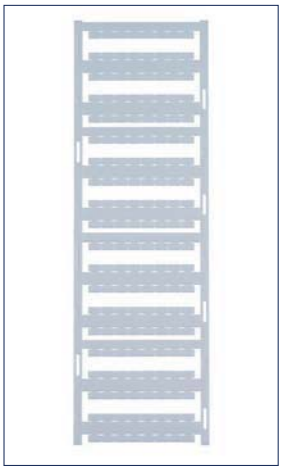
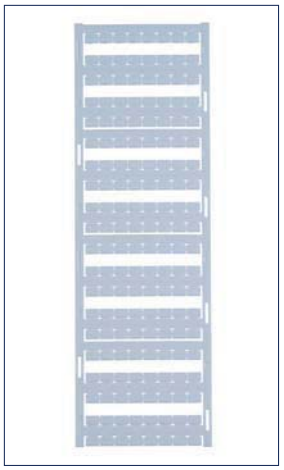
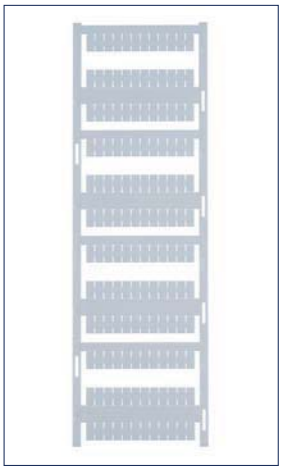
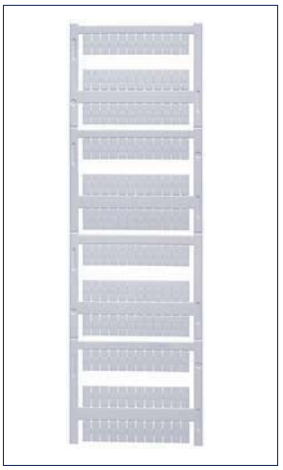
Material: Polyamide 6.6 UL 94-V2, halogen-free

	MC SB 4	MC SB 5	MC SB 6
			
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	MC SB 4/200 WH	MC SB 5/200 WH	MC SB 6/200 WH
Cat. no.	**4946.7** 1000	**3300.7** 1000	**3301.7** 1000
Type/colour Special print	MC SB 4/200 So WH	MC SB 5/200 So WH	MC SB 6/200 So WH
Cat. no.	**3306.7** 1000	**3307.7** 1000	**3308.7** 1000
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	.5 .3 .1 .7 .8 .9	.5 .3 .1 .7 .8 .9	.5 .3 .1 .7 .8 .9
Characteristics			
Dimensions			
Length x width, mm	5 x 4	5 x 5	5 x 6
Number of markers per row	10	10	10
Number of markers per card	200	200	200
Material			
Material	PA6.6, halogen-free	PA6.6, halogen-free	PA6.6, halogen-free
Temperature range	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C
Flamm. class acc. to UL 94	V2	V2	V2
Inscription			
Plotter	EMS	EMS	EMS
Plotter inlay	CCI-10	CCI-10	CCI-10
Marker pen	BS-1	BS-1	BS-1
Number of characters | lines when using font size 14 and plotter pen 0.25: horizontal	2 | 2	2 | 2	3 | 2
Number of characters | lines when using font size 14 and plotter pen 0.25: vertical	2 | 2	2 | 2	3 | 3
Application			
Terminal width, mm	≥ 4,1	≥ 5,1	≥ 6

Accessories

Additional accessories

More accessories starting on page 264.

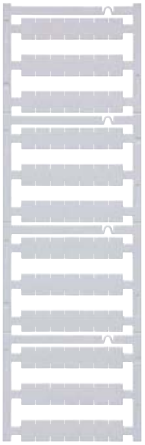
MC SB 7,5	MC SB 8	MC BSTR 5	MC BSTR 5	MC BSTR 5x12
				
Qty.	Qty.	Qty.	Qty.	Qty.
MC SB 7,5/160 WH	MC SB 8/160 WH	MC BSTR 5/144 WH	MC BSTR 5/144 MI WH	MC BSTR 5x12/144 WH
3326.7 800	**3328.7** 800	**3309.7** 720	**3310.7** 720	**3380.7** 720
MC SB 7,5/160 So WH	MC SB 8/160 So WH	MC BSTR 5/144 So WH	MC BSTR 5/144 MI So WH	MC BSTR 5x12/144 So WH
9327.7 800	**3311.7** 800	**3312.7** 720	**3313.7** 720	**3379.7** 720
.5 .3 .1 .7 .8 .9	.5 .3 .1 .7 .8 .9	.5 .3 .1 .7 .8 .9	.5 .3 .1 .7 .8 .9	.5 .3 .1 .7 .8 .9
5 x 7.5	5 x 8	10 x 5	10 x 5	12 x 5
8	8	12	12	12
160	160	144	144	144
PA6.6, halogen-free	PA6.6, halogen-free	PA6.6, halogen-free	PA6.6, halogen-free	PA6.6, halogen-free
-40°C to +105°C	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C
V2	V2	V2	V2	V2
EMS	EMS	EMS	EMS	EMS
CCI-10	CCI-10	CCI-10	CCI-10	CCI-10
BS-1	BS-1	BS-1	BS-1	BS-1
4 | 2	3 | 5	3 | 5	3 | 5	3 | 5
3 | 3	4 | 4	6 | 2	6 | 2	7 | 2
≥ 7.5	≥ 8	≥ 5.1	≥ 5.1	≥ 5.1

Terminal markers – Maxicard MC BSTR

Maxicard MC BSTR

The **SB** and **BSTR** Maxicard series are multi-functional marking systems suitable for all **CONTA-CLIP** terminal blocks. The **MC BSTR** provides the ideal solution for longer strings of characters.
They are available in a blank white version or with customer-specific labelling. The blank Maxicards can easily be printed on using the **EMS** plotter system.

Material: Material: polyamide 6.6 UL 94-V2, halogen-free

MC BSTR 6	MC BSTR 8x12	MC BSTR 10x12
		
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	MC BSTR 6/120 WH	MC BSTR 8x12/84 WH	MC BSTR 10x12/40 WH
Cat. no.	**3314.7** 600	**9406.7** 420	**9408.7** 200
Type/colour Special print	MC BSTR 6/120 So WH	MC BSTR 8x12/84 So WH	MC BSTR 10x12/40 So WH
Cat. no.	**3315.7** 600	**9407.7** 420	**9409.7** 200
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	.5 .3 .1 .7 .8 .9	.5 .3 .1 .7 .8 .9	.5 .3 .1 .7 .8 .9
Characteristics			
Dimensions			
Length x width, mm	12 x 6	12 x 8	12 x 10
Number of markers per row	10	7	5
Number of markers per card	120	84	40
Material			
Material	PA6.6, halogen-free	PA6.6, halogen-free	PA6.6, halogen-free
Temperature range	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C
Flamm. class acc. to UL 94	V2	V2	V2
Inscription			
Plotter	EMS	EMS	EMS
Plotter inlay	CCI-10	CCI-10	CCI-10
Marker pen	BS-1	BS-1	BS-1
Number of characters | lines when using font size 14 and plotter pen 0.25: horizontal	4 | 5	6 | 5	8 | 5
Number of characters | lines when using font size 14 and plotter pen 0.25: vertical	9 | 3	9 | 4	9 | 5
Application			
Terminal width, mm	> 6	> 8	> 10
Accessories			
Additional accessories			

More accessories starting on page 264.

Selection list of terminal markers for other manufacturers

Terminal markers for Phoenix Contact

Screw terminals	Markers				
	MC MM 5x5	MC MM 5x10	MC MM 6x5	MC MM 6x10	MC MM 8x5
AKG 16/35				x	
AKG 4		x			
DFK 4...				x	
DFK 5...	x	x	x	x	x
DIK (D) 1,5	x	m	x	m	
DLK 2,5	x	m	x	m	
DOK (D) 1,5	x	m	x	m	
GTF 76		x		x	
HDFK 10	x	x	x	x	x
HDFK 16	x	x	x	x	x
HDFK 25	x	x	x	x	x
HDFK 4	x	x	x	x	x
HDFK 50	x	x	x	x	x
HDFK 95	x	x	x	x	x
HV M.../1	x	x	x	x	x
HV M.../2	x	x	x	x	x
MBK 3/E-Z	x	s			
MBK 5/E-Z	x	x	x	x	
MBK 6/E	x	x	x	x	x
MBKKB 2,5	x	s			
MT 1,5		x		x	
MTK-LOE	x	s			
MTK-P/P	x	s			
MTK T/P	x	s			
OTTA 2,5		x		x	
OTTA 25		x		x	
OTTA 6		x		x	
PIK 4-...	x		x	x	
PIK 6-...	x	x	x	x	x
RT (0) 3...	x	x	x	x	x
RT (0) 4...	x	x	x	x	x
RT (0) 8...	x	x	x	x	x
SLKK 5	x	x	x	x	
TMC...	x		x	s	
TMCP SOCKET...	x	x	x	x	
UDK 3	x	s			
UDK4	x		x	s	
UDK 4-MTK				s	
UDK 5-MTK	x		x	s	
UDMTK 5...				s	
UGSK 6	x		x		x
UGSK/S	x		x		x
UHK 4...		x		x	
UHV 150	x	x	x	x	x
UHV 240	x	x	x	x	x
UHV 25	x	x	x	x	x
UHV 95	x	x	x	x	x
UIK 16	x	x	x	x	x
UIKN 16	x	m	x	m	x
UIK 35	x	x	x	x	x
UK 1,5 N					
UK 10 N	x	x	x	x	x
UK 10.3-HESI		x		x	
UK 10-DRHESI	x		x	x	x
UK 16 N	x	x	x	x	x
UK 2,5 N	x	s			
UK 3 N	x	s			
UK 4...	x	m	x	m	
UK 35	x	x	x	x	x
UK 5 N	x		x	s	
UK 5-HESI	x	x	x	x	x
UK 5-MTK				x	
UK 6 N	x	x	x	x	x
UK 6,3-HESI	x	x	x	x	x
UK 6-FSI/C	x	x	x	x	x
UKB 4...				x	
UKH 150	x	x	x	x	x
UKH 240	x	x	x	x	x
UKH 50	x	x	x	x	x
UKH 95	x	x	x	x	x
UKK 3	x	s			
UKK 4	x	x	x	s	
UKK 5...	x	x	x	s	
UKKB 10	x	x	x	x	x
UKKB 10/2,5		s			
UKN 10 N	x	x	x	x	x
UKN 16 N		x		x	
UKN 2,5	x		x	s	
UKN 35		x		x	
UKN 5	x		x	s	
UKN 6 N	x	x	x	x	x
UK - SI	x		x	s	x
URDK 6	x	x	x	x	x
URKN		x		x	
URKN/S		x		x	
URTK 6	x	x	x	x	x
URTK/S	x	x	x	x	x
URTKD/SP	x	x	x	x	x
URTK/SS	x		x	s	x
URTK/SP	x	x	x	x	x
USED 16		x		x	
USED 27		x		x	
USEN 14		x		x	
USEN 18		x		x	
USIG	x	x	x	x	x
USK 4	x	m	x	m	
USLKG 1,5 N					
USLKG 10 N	x	x	x	x	x
USLKG 16 N	x	x	x	x	x
USLKG 2,5 N	x	s			
USLKG 3	x	s			
USLKG 35	x	x	x	x	x
USLKG 5	x		x	s	
USLKG 50	x	x	x	x	x

Screw terminals	Markers				
	MC MM 5x5	MC MM 5x10	MC MM 6x5	MC MM 6x10	MC MM 8x5
USLKG 6 N	x	x	x	x	x
USLKG 95	x	x	x	x	x
UT 10...	x	x	x	x	x
UT 16...	x	x	x	x	x
UT 2.5...	x	s			
UT 35	x	x	x	x	x
UT 4	x		x	s	
UT 6	x	x	x	x	x
UTME (D) 6...	x	x	x	x	x
UTTB 2,5...	x	x			
UTTB 4...	x	x	x	x	
UVKB 4...	x	m	x	x	
VBSN 4	x		x	x	
VBST 4	x		x	x	
VIOK 1,5	x		x	s	
Tension-spring terminals					
MZB 1,5...	x				
MZDB 1,5...	x				
MZFK 1,5	x				
MZFKK 1,5	x				
MZFKKB 1,5	x				
SC 2,5	x				
SP 2,5					
SRTK 6...	x	x	x	x	x
SGSK 6...	x	x	x	x	x
SRDK 6...	x	x	x	x	x
ST 2,5...	x	m			
ST 4...	x		x	m	
ST 4-HESI	x	x	x	x	x
ST 4-FSI	x	x	x	x	x
ST 6...	x	x	x	x	x
ST 10...	x	x	x	x	x
ST 16...	x	x	x	x	x
ST 35...	x	x	x	x	x
STI 10...	x	x	x	x	x
STI 16	x	x	x	x	x
STI 2,5...	x	m			
STI 4...	x		x	m	
STIO	x				
STN 10	x	x	x	x	x
STN 16	x	x	x	x	x
STN 2,5	x	m			
STN 35	x	x	x	x	x
STN 4	x		x	m	
STS 2,5		m			
STS 4	x		x	m	
STS 6...	x	x	x	x	x
STTB 1.5...					
STTB 2,5...	x				
STTB 4...	x		x		
STTBS 2,5...	x	x			
STTBS 4...	x	x	x	x	
STTBU 4...	x	x	x	x	
STU 2,5...	x	x			
STU 4...	x	x	x	x	
STU 10...	x	x	x	x	x
STU 35...	x	x	x	x	x
TT-STTB-...				s	
ZDIK 1,5...					
ZDMTK 2,5	x		x		
ZFK-6-DRHESI	x	x	x	x	x
ZFKK 2,5...	x		x		x
ZGSK 4	x	x	x	x	x
ZPV 1,5/2,5	x	m			
SRDK...	x	x	x	x	x
ZRTK 4	x	x	x	x	x
ZRV 8	x			m	
Pressure-spring terminals					
DT 2,5...	x	x			
DTI 2,5...	x	x			
DTN 2,5...	x	x			
DTI 4...	x	x	x	x	
DTN 4...	x	x	x	x	
DTI 6...	x	x	x	x	x
DTN 6...	x	x	x	x	x
DTME(D) 6...	x	x	x	x	x
DT 6/2,5-DRHESI	x	x	x	x	x
Quick-connect terminals					
QTC...1,5...	x				
QTTC...1,5...	x				
QTC...2,5	x	x	x		

s = can be assembled as side marker m = can be assembled as middle marker

Terminal markers for Wago

Feed-through terminals	Markers MC MM 5x10	MC MM 6x10
280-101/104	x	
280-601/602	x	
280-603/633/634	x	
280-604/621/826/626	x	
280-641/651/654	x	
280-646/656/946	x	
280-653/671/672	x	
280-681/684/650	x	
280-830...835	x	
280-901...906	x	
280-989...995	x	
280-996...999	x	
280-691	x	
281-101/104		x
281-601/604		x
281-631/651		x
281-652...654		x
281-663/664/668		x
281-678/681/684		x
281-901/902/904		x
281-992...994/998/691		x
282-101/104		x
282-601/604		x
282-681/682/684/687		x
282-901/902/904/907		x
282-992/993/691		x
283-101/104		x
283-601/604/607		x
283-671/672/674/677		x
283-901/902/904/907		x
283-992/998/691		x
284-101/104		x
284-601/604/607		x
284-621/624		x
284-681/682/684/687		x
284-691/992/993		x
284-901/902/904/907		x
285-194/195		x
285-601/604/607		x
285-634/635		x
285-691		x
285-992/995		x
290-861/864/867	x	
780-992/993	x	
781-992/993		x
782-992		x
783-992		x
784-992		x
785-601/604/607/613		x
812-140	x	x
880-661/662/664	x	
880-681/682/684	x	
880-831/832/834	x	
880-901/902/904	x	
880-961/964/962	x	
Protective earth terminals		
280-107	x	
280-607	x	
280-637	x	
280-677	x	
280-687	x	
280-837	x	
280-907	x	
281-107		x
281-607		x
281-637		x
281-657		x
281-687		x
281-907		x
282-107		x
282-607		x
282-687		x
282-907		x
283-107		x
283-607		x
283-609		x
283-677		x
283-907		x
284-107		x
284-607		x
284-687		x
284-907		x
285-197		x
285-607		x

Protective earth terminals	Markers MC MM 5x10	MC MM 6x10
285-637		x
780-607	x	
780-637	x	
781-607		x
782-607		x
783-607		x
784-607		x
880-687	x	
880-837	x	
880-907	x	
Fused terminals		
282-698		x
282-696		x
281-611/612/616/622		x
281-624/672		x
281-613/623		x
282-122		x
282-120		x
282-126		x
282-124		x
282-128		x
Double-level terminals		
280-513	x	
280-517	x	
280-519/529	x	
280-520/530	x	
280-521/525	x	
280-522/526	x	
280-523/533	x	
280-524/534	x	
280-527/537	x	
280-531	x	
280-532	x	
280-543	x	
281-619/629		x
281-620/630		x
Three- and four-level terminals		
280-549/551	x	
280-550	x	
280-552	x	
280-547/557/597	x	
280-548/558	x	
281-531-532		x
281-530		x
780-601/602/604	x	
780-631/651/654	x	
781-601/604		x
781-631/651		x
782-601/604		x
784-601/604		x
783-601/604		x
Routing-potential terminals		
727-...		x
280-675	x	
Honeycomb elements		
726-...	x	
Pluggable relay and base		
788-...	x	x
Installation terminals		
775-641	x	
775-642/649	x	
775-646	x	
775-645	x	
777-641		x
777-642		x
777-646		x
777-645		x
777-648		x
777-647		x
777-649		x
777-651		x
777-650		x
777-652		x
776-641		x
776-645/646		x
776-649/642		x
776-650/651		x

Rated-disconnect terminals	Markers MC MM 5x10	MC MM 6x10
280-612/614	x	
280-622/623/627	x	
280-649/676/685/695	x	
280-683	x	
280-805/836/829/839	x	
280-868/870/876/879	x	
280-869/871/880	x	
280-874/881/883/885	x	
280-875/882/884	x	
280-912...914	x	
281-659/660		x
281-666		x
281-683		x
281-912		x
282-131		x
282-133		x
282-135		x
282-138...141		x
282-694/699		x
282-811/821		x
282-860		x
282-865		x
282-866/282/695/697		x
282-870		x
781-613/623	x	
781-643/653		x
782-613/623		x
783-613/623		x
784-613/623		x
Initiator terminals		
280-553/560	x	
280-559	x	
280-561	x	
280-563	x	
280-567	x	
280-570	x	
280-571	x	
280-573	x	
280-574	x	
280-577	x	
280-580	x	
280-582	x	
280-584	x	
280-587	x	
280-588	x	
Actuator terminals		
280-515	x	
280-554	x	
280-555	x	
280-556	x	
280-562	x	
280-565	x	
280-566	x	
280-568	x	
280-572	x	
280-575	x	
280-576	x	
280-578	x	
280-583	x	
280-585	x	
280-586	x	
280-592	x	
280-593	x	
Diode-LED terminals		
280-613	x	
280-623	x	
280-624	x	
280-655	x	
280-658	x	
280-673	x	
280-809	x	
280-815	x	
280-915	x	
280-940	x	
280-941	x	
280-942	x	
280-943	x	
281-603		x
281-633		x
281-634		x
281-635		x
281-636		x
281-665		x
281-673		x
281-915		x

Terminal markers for Entrelec

Terminal blocks	Markers MC MM 5x10	MC MM 6x10
HD 6/9		x
M 10/16	x	
M 10/22		x
M 16/12		x
M 35/16		x
		x
		x

Terminal blocks	Markers MC MM 5x10	MC MM 6x10
M 4/9...		x
M 70/22...		x
M 95/26...		x
MA 2,5/5...		x
MB 10/13...	x	
		x

Terminal blocks	Markers MC MM 5x10	MC MM 6x10
MB10/24...		x
MB 25/30...		x
MB 4/6...		x
MS 4/6...		x
MTC 6...		x
		x

Terminal markers – Maxicard MC MM

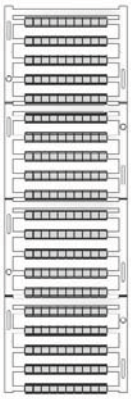
Maxicard MC MM

The **Maxicard MM** multi-markers can be used to label terminals from other manufacturers.

MC MM fit on terminals from Phoenix Contact, Wago and Entrelec.

They are available blank or with custom printing. The blank Pocket-Maxicards can easily be printed on using the **EMS** plotter system.

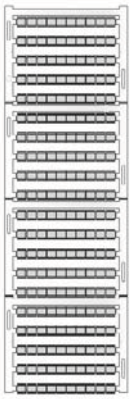
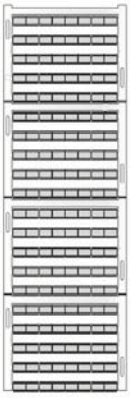
Material: Polyamide 6.6 UL 94-V2, halogen-free

	MC MM 5 x 10	MC MM 5 x 5	MC MM 6 x 10
			
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	MC MM 5x10/120 WH	MC MM 5x5/200 WH	MC MM 6x10/120 WH
Cat. no.	**3355.7** 600	**9400.7*** 1000	**3356.7** 600
Type/colour Special print	MC MM 5x10/120 So WH	MC MM 5x5/200 So WH	MC MM 6x10/120 So WH
Cat. no.	**3357.7** 600	**9401.7*** 1000	**3358.7** 600
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	.7	.7	.7
Characteristics			
Dimensions			
Length x width, mm	5 x 10	5 x 5	6 x 10
Number of markers per row	10	10	10
Number of markers per card	120	200	120
Material			
Material	PA6.6, halogen-free	PA6.6, halogen-free	PA6.6, halogen-free
Temperature range	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C
Flamm. class acc. to UL 94	V2	V2	V2
Inscription			
Plotter	EMS	EMS	EMS
Plotter inlay	CCI-10	CCI-10	CCI-10
Marker pen	BS-1	BS-1	BS-1
Number of characters | lines when using font size 14 and plotter pen 0.25: horizontal	2|3	2|2	3|3
Number of characters | lines when using font size 14 and plotter pen 0.25: vertical	6|2	2|2	6|2
Application			
Terminal width, mm	≥ 5	≥ 5	≥ 6
Terminal manufacturer	Phoenix, Wago, Entrelec	Phoenix	Phoenix, Wago, Entrelec
Accessories			

Additional accessories

More accessories starting on page 264.

*Available starting in the first quarter of 2011.

MC MM 6 x 5	MC MM 8 x 5			
				
Qty.	Qty.			
MC MM 6x5/200 WH **9402.7*** 1000	MC MM 8x5/160 WH **9404.7*** 800			
MC MM 6x5/200 So WH **9403.7*** 1000	MC MM 8x5/160 So WH **9405.7*** 800			
.7	.7			
6 x 5	8 x 5			
10	8			
200	160			
PA6.6, halogen-free	PA6.6, halogen-free			
-40°C to +105°C	-40°C to +105°C			
V2	V2			
EMS	EMS			
CCI-10	CCI-10			
BS-1	BS-1			
3|2	5|2			
3|2	3|3			
≥ 6	≥ 8			
Phoenix	Phoenix			

*Available starting in the first quarter of 2011.

Selection list of cable and wire markers

Selection based on cable diameter

Outer diameter of insulation		Ferrules for marker and cable labelling																										
																												Marker is attached with cable tie
mm	Inches	MC KMC 0/4...	KBH 3/...	KBH 5/...	KBH 10/...	KBH 16/...	KH 02/...	KH 10/...	KH 20/...	KH 30/...	KHZ 02/...	KHZ 10/...	KHZ 20/...	KHZ 30/...	KH E 0,5/...	KH E 2,5/...	KH E 4,0/...	KH E 10,0/...	KH E 25,0/...	KH E 70,0/...	KBH-C 10	KBH-C 20	KBH-C 30	KBH-S...	KMS...	KSH 6/33	KSH 11/33	KSH 4/30	MPS...
0.2	0.008																											
0.4	0.016																											
0.6	0.024	0.6													0.3													
0.8	0.031																											
1	0.039																											
1.2	0.047																											
1.4	0.055		1.3				1.3				1.3																	
1.6	0.063																											
1.8	0.071																											
2	0.079																											
2.2	0.087														2.2	2												
2.4	0.094	2.6																										
2.6	0.102																				2.4							
2.8	0.110			2.5				2.5				2.5																
3	0.118		3				3				3										3							
3.2	0.126																					3						
3.4	0.134																											
3.6	0.142															3.7	3.5											
3.8	0.150																											
4	0.157				4				2,5				2.5				4.3	4				4						
4.2	0.165																											
4.4	0.173																											
4.6	0.181																											
4.8	0.189			5				5				5																
5	0.197																						5					
5.2	0.204																											
5.4	0.212																											
5.6	0.220																											
5.8	0.228																											
6	0.236																											
6.2	0.244																	6.3	6									
6.4	0.252																											
6.6	0.260																											
6.8	0.268																											
7	0.276																											
7.2	0.284																							7	7		7	
7.4	0.292																											
7.6	0.300																											
7.8	0.308																											
8	0.315					8				8				8														
8.2	0.323																											
8.4	0.331																											
8.6	0.339																											
8.8	0.347																											
9	0.355																											
9.2	0.363																		9									
9.4	0.371																											
9.6	0.379																											
9.8	0.387																											
10	0.394				10				10				10						10									
10.2	0.402																											
10.4	0.410																											
10.6	0.418																											
10.8	0.426																											
11	0.434																											
11.2	0.442																											
11.4	0.450																											
11.6	0.458																											
11.8	0.466																											
12	0.473																									12		
12.2	0.481																											
12.4	0.489																											
12.6	0.497																											
12.8	0.505																											
13	0.513																											
13.2	0.521																											
13.4	0.529																											
13.6	0.537																											
13.8	0.545																											
14	0.552																											
14.2	0.560																											
14.4	0.568																											
14.6	0.576																											
14.8	0.584																											
15	0.591																		15									
15.2	0.599																											
15.4	0.607																											
15.6	0.615																											
15.8	0.623																											
16	0.630					16				16				16														
16.2	0.638																						16					16
16.4	0.646																											
16.6	0.656																											
16.8	0.661																											
17	0.669																											
17.2	0.677																											
17.4	0.685																											
17.6	0.693																											
17.8	0.701																											
18	0.709																						>18	>18	>18	>18	>18	>18
Catalogue page		366	374	375	376	377	370	370	370	371	371	371	371	371	372	372	372	371	373	373	381	381	381	390	384	382	382	382	392

Selection based on wire cross-section

Wire cross-section

Ferrules for marker and cable labelling

Marker is attached with cable tie

mm²	AWG	MC KMC 0/4...	KBH 3/...	KBH 5/...	KBH 10/...	KBH 16/...	KH 02/...	KH 10/...	KH 20/...	KH 30/...	KHZ 02/...	KHZ 10/...	KHZ 20/...	KHZ 30/...	KH E 0,5/...	KH E 2,5/...	KH E 4,0/...	KH E 10,0/...	KH E 25,0/...	KH E 70,0/...	KBH-C 10	KBH-C 20	KBH-C 30	KBH-S...	KMS...	KSH 6/33	KSH 11/33	KSH 4/30	MPS...
0.1	27	0.14													0.1														
0.25	24														0.5														
0.5	20		0.2				0.25				0.25					0.5					0.4								
0.75	18																											
1	16	1.0																			1.5								
1.25	-																											
1.5	14		1.5	1.5			1.5	1,5			1.5	1,5										1,5							
-	-																											
-	-																											
2.5	12				2.5				2,5				2.5			2.5													
-	-																					3						
-	-																						3						
-	-																											
-	-																											
4	10			4				4				4					4						4						
-	-																											
-	-																											
-	-																											
-	-																											
-	-																											
-	-																											
6	8																											
-	-																											
-	-																											
-																												
-	-																											
-	-																											
-	-																											
-	-																											
-	-																											
-	-																											
10	6																	10										
-	-																											
-	-																											
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-	-																											
-	-																											
-	-																											
-	-																											
-	-																											
-	-																											
16	4				16	16			16	16			16												16	16	16		
-	-																											
-	-																											
-	-																											
-	-																											
-	-																											
-	-																											
-	-																											
25	3																		25									
-	-																											
-	-																											
-	-																											
-	-																											
-	-																											
-	-																											
-	-																											
35	2																											
-	-																											
-	-																											
-	-																											
-	-																											
-	-																											
50	1/0																									50		
-	-																											
-	-																											
-	-																											
70	2/0					70				70				70						70				70					70
-	-																											
-	-																											
-	-																											
-	-																											
95	4/0																											
-	-																											
-	-																											
-	-																											
120	5/0																							>120	>120	>120	>120	>120	>120

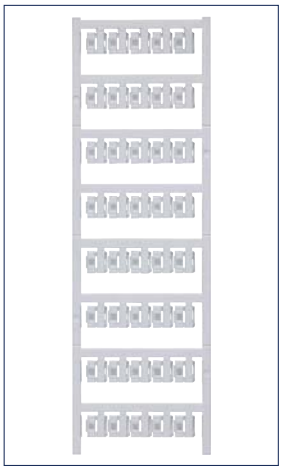
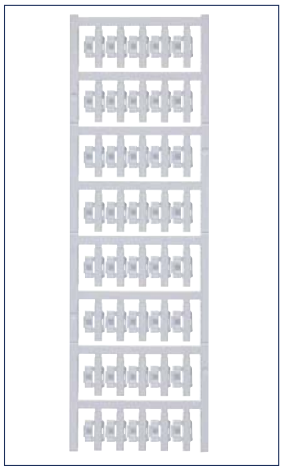
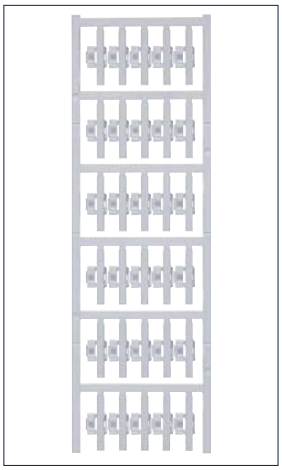
Catalogue page	366	374	375	376	377	370	370	370	371	371	371	371	371	372	372	372	371	373	373	381	381	381	390	384	382	382	382	392

Wire and cable markers – Maxicard MC KMC

Maxicard MC KMC

The **KMC** Maxicard provides a clear, quick and simple solution for marking a wire. The **MC KMC** can be attached to a wire that has already been connected. The plastic halves snap together to hold the marker captive on the wire.
Perfect for use with wire cross-sections from 0.14-1.0 mm² or 0.9-2.6 mm².
Three different lengths are available.
They are available blank or with custom printing.
The blank Maxicards can easily be printed using the **EMS** plotter system.

Material: Material: polyamide 6.6 UL 94-V2, halogen-free

	MC KMC 0/4x12	MC KMC 0/4x21	MC KMC 0/4x30
			
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	MC KMC 0/4x12/40 WH	MC KMC 0/4x21/40 WH	MC KMC 0/4x30/30 WH
Cat. no.	**9810.7*** 200	**9812.7*** 200	**9814.7*** 150
Type/colour Special print	MC KMC 0/4x12/40 So WH	MC KMC 0/4x21/40 So WH	MC KMC 0/4x30/30 So WH
Cat. no.	**9811.7*** 200	**9813.7*** 200	**9815.7*** 150
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	.5 .7 .8 .9 .0	.5 .7 .8 .9 .0	.5 .7 .8 .9 .0
Characteristics			
Dimensions			
Length x width of labelling field, mm	12 x 4.1	21 x 4.1	30 x 4.1
Number of markers per row	5	5	5
Number of markers per card	40	40	30
Material			
Material	PA6.6, halogen-free	PA6.6, halogen-free	PA6.6, halogen-free
Temperature range	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C
Flamm. class acc. to UL 94	V2	V2	V2
Inscription			
Plotter	EMS	EMS	EMS
Plotter inlay	CCI-10	CCI-10	CCI-10
Marker pen	BS-1	BS-1	BS-1
Number of characters | lines when using font size 14 and plotter pen 0.25: horizontal	8 | 1	15 | 1	22 | 1
Number of characters | lines when using font size 14 and plotter pen 0.25: vertical	2 | 5	2 | 5	2 | 5
Application			
Wire cross-section, mm²	0.14 - 1.0	0.14 - 1.0	0.14 - 1.0
Outer diameter of insulation in mm	0.9 - 2.6	0.9 - 2.6	0.9 - 2.6

Additional accessories

More accessories starting on page 264.

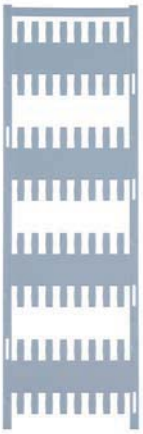
Wire and cable markers – Maxicard MC ESS and MC GS

Maxicard MC ESS

The **Maxicard ESS** provides a clear, quick and simple solution for marking a wire. The **MC ESS** single markers are pushed into custom-designed **KH**, **KHZ**, **KH E** or **KSH** cable-marker sleeves.

- When used together, the **MCESS** and the cable marker sleeves ensure that your labels are protected from environmental influences.
- Can be used for marking wires up to 70 mm².
  Available in five different lengths.
  They are available blank or with custom printing.
  The blank Pocket-Maxicards can easily be printed on using the **EMS** plotter system.

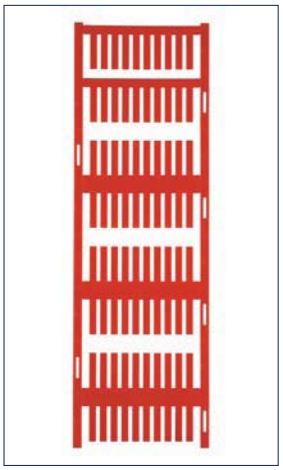
Material: Material: polyamide 6.6 UL 94-V2, halogen-free

	MC ESS 12/64	MC ESS 15/80	MC ESS 18/64
			
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	MC ESS 12/64 WH	MC ESS 15/80 WH	MC ESS 18/64 WH
Cat. no.	**3316.7** 320	**3317.7** 400	**3318.7** 320
Type/colour Special print	MC ESS 12/64 So WH	MC ESS 15/80 So WH	MC ESS 18/64 So WH
Cat. no.	**3364.7** 320	**3365.7** 400	**3366.7** 320
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	.5 .3 .1 .7 .8 .9	.5 .3 .1 .7 .8 .9	.5 .3 .1 .7 .8 .9
Characteristics			
Dimensions			
Length x width, mm	12x4	15x4	18x4
Number of markers per row	8	10	8
Number of markers per card	64	80	64
Material			
Material	PA6.6, halogen-free	PA6.6, halogen-free	PA6.6, halogen-free
Temperature range	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C
Flamm. class acc. to UL 94	V2	V2	V2
Inscription			
Plotter	EMS	EMS	EMS
Plotter inlay	CCI-10	CCI-10	CCI-10
Marker pen	BS-1	BS-1	BS-1
Number of characters | lines when using font size 14 and plotter pen 0.25: horizontal	8|1	11|2	13|2
Number of characters | lines when using font size 14 and plotter pen 0.25: vertical	2|5	3|5	3|5
Application			

Accessories		**Page**	**Qty.**		**Page**	**Qty.**		**Page**	**Qty.**
Cable marker sleeves KH	KH 02/12			KH 02/15			KH 02/18		
Cat. no.	**4900.0**	370	200	**4901.0**	370	200	**4902.0**	370	200
Cable marker sleeves KH	KH 10/12			KH 10/15			KH 10/18		
Cat. no.	**4904.0**	370	200	**4905.0**	370	200	**4906.0**	370	200
Cable marker sleeves KH	KH 20/12			KH 20/15			KH 20/18		
Cat. no.	**4908.0**	370	100	**4909.0**	370	100	**4910.0**	370	100
Cable marker sleeves KH	KH 30/12			KH 30/15			KH 30/18		
Cat. no.	**4912.0**	371	50	**4913.0**	371	50	**4914.0**	371	50
Cable marker sleeves KHZ	KHZ 02/12			KHZ 02/15			KHZ 02/18		
Cat. no.	**5984.0**	371	200	**5985.0**	371	200	**5986.0**	371	200
Cable marker sleeves KHZ	KHZ 10/12			KHZ 10/15			KHZ 10/18		
Cat. no.	**5988.0**	371	200	**5989.0**	371	200	**5990.0**	371	200
Cable marker sleeves KHZ	KHZ 20/12			KHZ 20/15			KHZ 20/18		
Cat. no.	**5992.0**	371	100	**5993.0**	371	100	**5994.0**	371	100
Cable marker sleeves KHZ	KHZ 30/12			KHZ 30/15			KHZ 30/18		
Cat. no.	**5996.0**	371	50	**5997.0**	371	50	**5998.0**	371	50
Cable marker sleeves KH E	KH E 0.5/12			KH E 0.5/15			KH E 0.5/18		
Cat. no.	**9360.0**	372	2000	**9361.0**	372	2000	**9362.0**	372	1000
Cable marker sleeves KH E	KH E 2.5/12			KH E 2.5/15			KH E 2.5/18		
Cat. no.	**9365.0**	372	1000	**9366.0**	372	1000	**9367.0**	372	1000
Cable marker sleeves KH E	KH E 4.0/12			KH E 4.0/15			KH E 4.0/18		
Cat. no.	**9370.0**	372	1000	**9371.0**	372	1000	**9372.0**	372	1000
Cable marker sleeves KH E	KH E 10.0/12			KH E 10.0/15			KH E 10.0/18		
Cat. no.	**9375.0**	373	500	**9376.0**	373	500	**9377.0**	373	500
Cable marker sleeves KH E	KH E 25,0/12			KH E 25,0/15			KH E 25,0/18		
Cat. no.	**9380.0**	373	500	**9381.0**	373	500	**9382.0**	373	500
Cable marker sleeves KH E	KH 70.0/12			KH 70.0/15			KH 70.0/18		
Cat. no.	**9385.0**	373	250	**9386.0**	373	250	**9387.0**	373	250
Cable marker sleeves KSH							KSH 6/33		
Cat. no.							**2383.0**	382	100
Additional accessories									

More accessories starting on page 264.

MC ESS 20/80



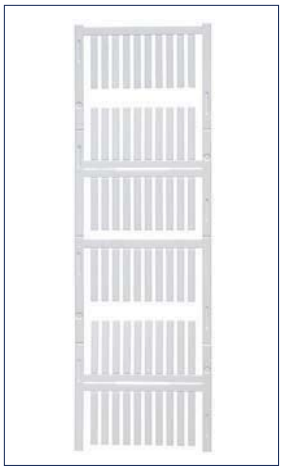
	Qty.
MC ESS 20/80 WH **3319.7**	400
MC ESS 20/80 So WH **3367.7**	400

.5 .3 .1 .7 .8 .9

20x4
10
80
PA6.6, halogen-free
-40°C to +105°C
V2
EMS
CCI-10
BS-1
15|2
3|5

	Page	Qty.
KH 02/21 **4903.0**	370	200
KH 10/21 **4907.0**	370	200
KH 20/21 **4911.0**	370	100
KH 30/21 **4915.0**	371	50
KHZ 02/21 **5987.0**	371	200
KHZ 10/21 **5991.0**	371	200
KHZ 20/21 **5995.0**	371	100
KHZ 30/21 **5999.0**	371	50
KH E 0.5/21 **9363.0**	372	1000
KH E 2.5/21 **9368.0**	372	1000
KH E 4.0/21 **9373.0**	372	1000
KH E 10.0/21 **9378.0**	373	500
KH E 25,0/21 **9383.0**	373	500
KH 70.0/21 **9388.0**	373	250

MC ESS 30/60



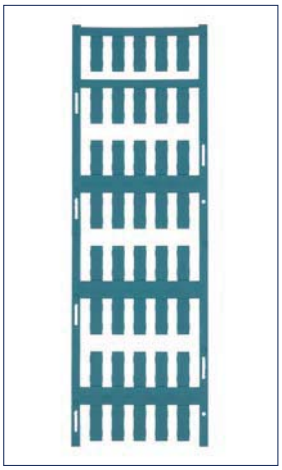
	Qty.
MC ESS 30/60 WH **3354.7**	300
MC ESS 30/60 So WH **3359.7**	300

.5 .3 .1 .7 .8 .9

30x4
10
60
PA6.6, halogen-free
-40°C to +105°C
V2
EMS
CCI-10
BS-1
22|1
2|5

	Page	Qty.
KH 02/30 **9390.0**	370	200
KH 10/30 **9391.0**	370	200
KH 20/30 **9392.0**	370	100
KH 30/30 **9393.0**	371	50
KH E 0.5/30 **9364.0**	372	2000
KH E 2.5/30 **9369.0**	372	1000
KH E 4.0/30 **9374.0**	372	1000
KH E 10.0/30 **9379.0**	373	500
KH E 25,0/30 **9384.0**	373	500
KH 70.0/30 **9389.0**	373	250
KSH 4/30 **3896.0**	382	500

MC GS 7/20

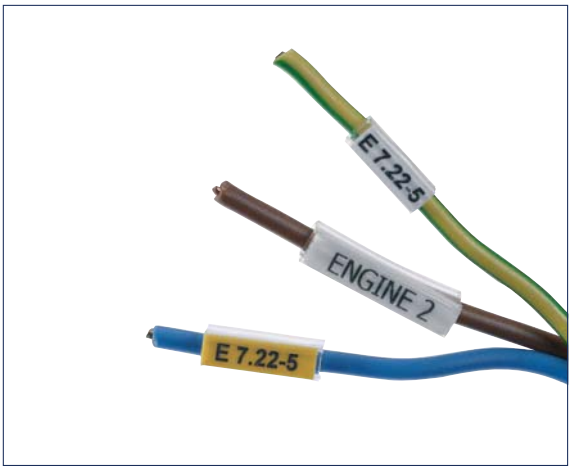


	Qty.
MC GS 7/20 R WH **3329.7**	200
MC GS 7/20 So WH **3335.7**	200

.7 .8 .0

20x7
5
40
PA6.6, halogen-free
-40°C to +105°C
V2
EMS
CCI-10
BS-1
14|4
5|5

	Page	Qty.
KSH 11/33 **2384.0**	382	100



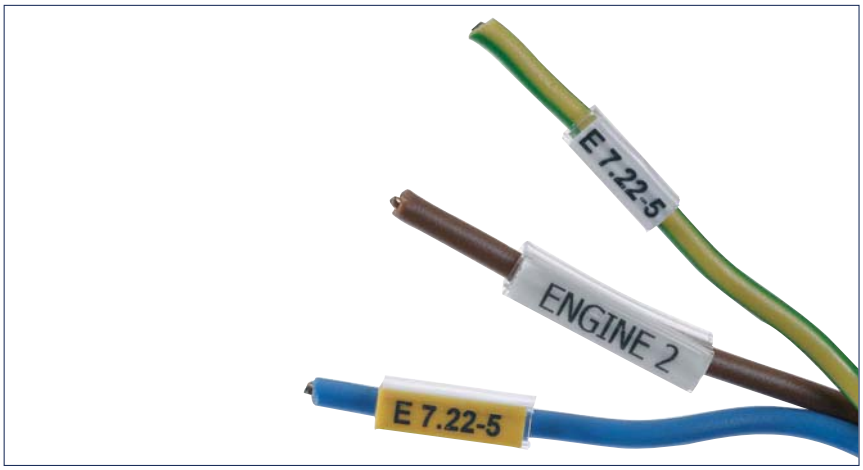
Wire and cable markers – Cable marker sleeves KH/KHZ

Cable marker sleeve KH and KHZ

The **KH** and **KHZ** cable marker sleeves, used in combination with the **ESS Maxicard**, enable cables to be labelled quickly and conveniently.

- The ferrule is easier to attach to the wire because of the special bellows shape of the cable marker sleeve.
- When used together, the **MCESS** and the **KH** and **KHZ** cable marker sleeves ensure that your labels are protected from environmental influences.
- Oval-shaped pocket makes the labels easy to insert before or after installation.
- The elastic pocket both protects and secures the marker.
- Can be used for marking wires up to 70 mm².
- Available in five different lengths and four wire diameters.

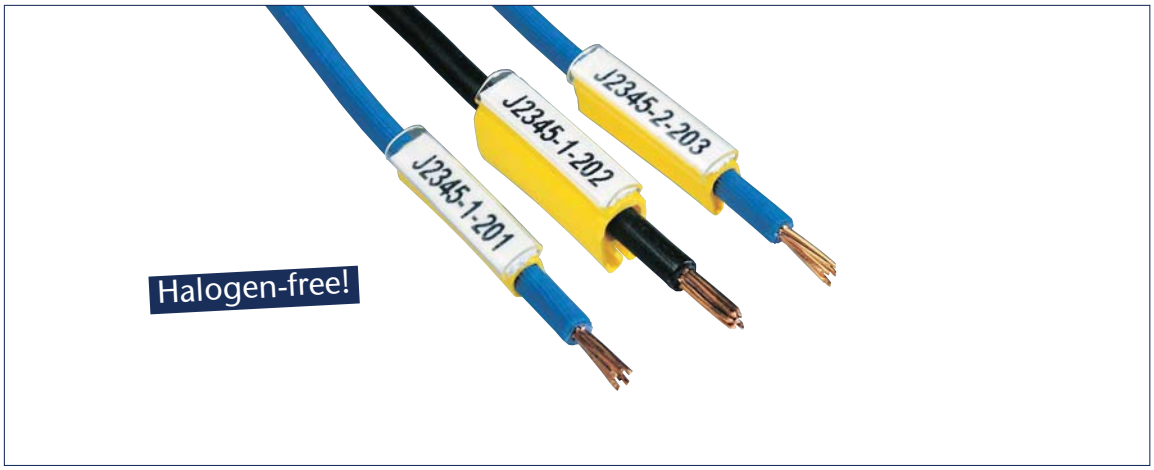
Material: KH Soft PVC, no cadmium or silicone
Material: KHZ Soft PVC, no cadmium, halogen or silicone



Type	KH 02	Qty.	Appropriate markers	KH 10	Qty.	Appropriate markers	KH 20	Qty.	Appropriate markers
Type/colour	KH 02/12		MC ESS 12	KH 10/12		MC ESS 12	KH 20/12		MC ESS 12
Cat. no.	**4900.0**	200	Page 368	**4904.0**	200	Page 368	**4908.0**	100	Page 368
Type/colour	KH 02/15		MC ESS 15	KH 10/15		MC ESS 15	KH 20/15		MC ESS 15
Cat. no.	**4901.0**	200	Page 368	**4905.0**	200	Page 368	**4909.0**	100	Page 368
Type/colour	KH 02/18		MC ESS 18	KH 10/18		MC ESS 18	KH 20/18		MC ESS 18
Cat. no.	**4902.0**	200	Page 368	**4906.0**	200	Page 368	**4910.0**	100	Page 368
Type/colour	KH 02/21		MC ESS 20	KH 10/21		MC ESS 20	KH 20/21		MC ESS 20
Cat. no.	**4903.0**	200	Page 369	**4907.0**	200	Page 369	**4911.0**	100	Page 369
Type/colour	KH 02/30		MC ESS 30	KH 10/30		MC ESS 30	KH 20/30		MC ESS 30
Cat. no.	**9390.0**	200	Page 369	**9391.0**	200	Page 369	**9392.0**	100	Page 369
Colours available	Transparent			Transparent			Transparent		
Characteristics									
Dimensions									
Length KH../12|KH../15|KH../18|KH../21|KH../30 x Width x Height (mm)	12|15|18|21|30 x 5 x 5			12|15|18|21|30 x 5 x 7			12|15|18|21|30 x 6 x 10		
Material									
Material	Soft PVC, no cadmium or silicone			Soft PVC, no cadmium or silicone			Soft PVC, no cadmium or silicone		
Temperature range	-30°C to +60°C			-30°C to +60°C			-30°C to +60°C		
Flamm. class acc. to UL 94	V0			V0			V0		
Resistance	Oils, benzene, gamma and UV radiation			Oils, benzene, gamma and UV radiation			Oils, benzene, gamma and UV radiation		
Inscription									
Can be marked with	MC ESS series			MC ESS series			MC ESS series		
Application									
Wire cross-section, mm²	0.25 - 1.5			1.5 - 4.0			2.5 - 16.0		
Outer diameter of insulation in mm	1.3 - 3.0			2.5 - 5.0			4.0 - 10.0		

Additional accessories

More accessories starting on page 264.



KH 30	Qty.	Appropriate markers
KH 30/12		MC ESS 12
4912.0	50	Page 368
KH 30/15		MC ESS 15
4913.0	50	Page 368
KH 30/18		MC ESS 18
4914.0	50	Page 368
KH 30/21		MC ESS 20
4915.0	50	Page 369
KH 30/30		MC ESS 30
9393.0	50	Page 369
Transparent		
12|15|18|21|30 x 6 x 10		
Soft PVC, no cadmium or silicone		
-30°C to +60°C		
V0		
Oils, benzene, gamma and UV radiation		
MC ESS series		
16.0 - 70.0		
8.0 - 16.0		

KHZ 02	Qty.	Appropriate markers
KHZ 02/12		MC ESS 12
5984.0	200	Page 368
KHZ 02/15		MC ESS 15
5985.0	200	Page 368
KHZ 02/18		MC ESS 18
5986.0	200	Page 368
KHZ 02/21		MC ESS 20
5987.0	200	Page 369
Yellow / transparent		
12|15|18|21 x 5 x 5		
Soft PVC, with no halogen, cadmium or silicone		
-30°C to +90°C		
V0		
Oils, benzene, gamma and UV radiation		
MC ESS series		
0.25 - 1.5		
1.3 - 3.0		

KHZ 10	Qty.	Appropriate markers
KHZ 10/12		MC ESS 12
5988.0	200	Page 368
KHZ 10/15		MC ESS 15
5989.0	200	Page 368
KHZ 10/18		MC ESS 18
5990.0	200	Page 368
KHZ 10/21		MC ESS 20
5991.0	200	Page 369
Yellow / transparent		
12|15|18|21 x 5 x 7		
Soft PVC, with no halogen, cadmium or silicone		
-30°C to +90°C		
V0		
Oils, benzene, gamma and UV radiation		
MC ESS series		
1.5 - 4.0		
2.5 - 5.0		

KH 20	Qty.	Appropriate markers
KHZ 20/12		MC ESS 12
5992.0	100	Page 368
KHZ 20/15		MC ESS 15
5993.0	100	Page 368
KHZ 20/18		MC ESS 18
5994.0	100	Page 368
KHZ 20/21		MC ESS 20
5995.0	100	Page 369
Yellow / transparent		
12|15|18|21 x 6 x 10		
Soft PVC, with no halogen, cadmium or silicone		
-30°C to +90°C		
V0		
Oils, benzene, gamma and UV radiation		
MC ESS series		
2.5 - 16.0		
4.0 - 10.0		

KHZ 30	Qty.	Appropriate markers
KHZ 30/12		MC ESS 12
5996.0	50	Page 368
KHZ 30/15		MC ESS 15
5997.0	50	Page 368
KHZ 30/18		MC ESS 18
5998.0	50	Page 368
KHZ 30/21		MC ESS 20
5999.0	50	Page 369
Yellow / transparent		
12|15|18|21 x 6 x 10		
Soft PVC, with no halogen, cadmium or silicone		
-30°C to +90°C		
V0		
Oils, benzene, gamma and UV radiation		
MC ESS series		
16.0 - 70.0		
8.0 - 16.0		

Wire and cable markers – Cable marker sleeves KH E

Cable marker sleeve KH E

The **KH E** cable marker sleeves, used in combination with the **ESS Maxicard**, enable cables to be labelled quickly and conveniently.

- The ferrule is easier to attach to the wire because of the special bellows shape of the cable marker sleeve.
- When used together, the **MCESS** and the **KH E** cable marker sleeves ensure that your labels are protected from environmental influences.
- Oval-shaped pocket makes the labels easy to insert before or after installation.
- The elastic pocket both protects and secures the marker.
- Can be used for marking wires up to 70 mm².

Available in five different lengths and six wire diameters. Many included in one package for cost-effective marking.

Material: PVC

Type	KH E 0,5 Qty.	KH E 0,5 Appropriate markers	KH E 2,5 Qty.	KH E 2,5 Appropriate markers	KH E 4,0 Qty.	KH E 4,0 Appropriate markers
Type/colour	KH E 0.5/12	MC ESS 12	KH E 2.5/12	MC ESS 12	KH E 4.0/12	MC ESS 12
Cat. no.	**9360.0** 2000	Page 368	**9365.0** 1000	Page 368	**9370.0** 1000	Page 368
Type/colour	KH E 0.5/15	MC ESS 15	KH E 2.5/15	MC ESS 15	KH E 4.0/15	MC ESS 15
Cat. no.	**9361.0** 2000	Page 368	**9366.0** 1000	Page 368	**9371.0** 1000	Page 368
Type/colour	KH E 0.5/18	MC ESS 18	KH E 2.5/18	MC ESS 18	KH E 4.0/18	MC ESS 18
Cat. no.	**9362.0** 1000	Page 368	**9367.0** 1000	Page 368	**9372.0** 500	Page 368
Type/colour	KH E 0.5/21	MC ESS 20	KH E 2.5/21	MC ESS 20	KH E 4.0/21	MC ESS 20
Cat. no.	**9363.0** 1000	Page 369	**9368.0** 1000	Page 369	**9373.0** 500	Page 369
Type/colour	KH E 0.5/30	MC ESS 30	KH E 2.5/30	MC ESS 30	KH E 4.0/30	MC ESS 30
Cat. no.	**9364.0** 2000	Page 369	**9369.0** 1000	Page 369	**9374.0** 1000	Page 369
Colours available	Transparent		Transparent		Transparent	

Characteristics

Dimensions

Length KH E../12|KH E../15|KH E../18|KH E../21|KH E../30	12|15|18|21|30	12|15|18|21|30	12|15|18|21|30

Material

Material	PVC, halogen-free	PVC, halogen-free	PVC, halogen-free
Temperature range	-40°C to +90°C	-40°C to +90°C	-40°C to +90°C
Flamm. class acc. to UL 94	V0	V0	V0
Resistance	Alkaline substances, alcohol, and various cleaning agents	Alkaline substances, alcohol, and various cleaning agents	Alkaline substances, alcohol, and various cleaning agents

Inscription

Can be marked with	MC ESS series	MC ESS series	MC ESS series

Application

Wire cross-section, mm²	0.1 - 0.5	0.5 - 2.5	2.5 - 4.0
Outer diameter of insulation in mm	0.3 - 2.2	2.0 - 3.7	3.5 - 4.3

Additional accessories

More accessories starting on page 264.

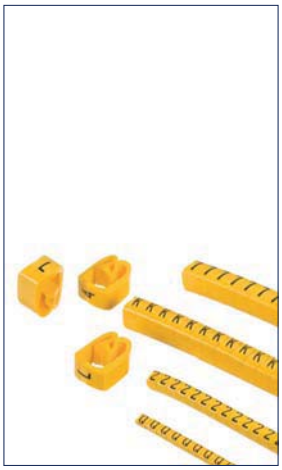
KH E 10	KH E 25	KH E 70		
Qty. / Appropriate markers	Qty. / Appropriate markers	Qty. / Appropriate markers		
KH E 10.0/12 MC ESS 12	KH E 25.0/12 MC ESS 12	KH E 70,0/12 MC ESS 12		
9375.0 500 Page 368	**9380.0** 500 Page 368	**9385.0** 250 Page 368		
KH E 10.0/15 MC ESS 15	KH E 25.0/15 MC ESS 15	KH E 70,0/15 MC ESS 15		
9376.0 500 Page 368	**9381.0** 500 Page 368	**9386.0** 250 Page 368		
KH E 10.0/18 MC ESS 18	KH E 25.0/18 MC ESS 18	KH E 10.0/18 MC ESS 18		
9377.0 500 Page 368	**9382.0** 500 Page 368	**9387.0** 250 Page 368		
KH E 10.0/21 MC ESS 20	KH E 25.0/21 MC ESS 20	KH E 70,0/21 MC ESS 20		
9378.0 500 Page 369	**9383.0** 500 Page 369	**9388.0** 250 Page 369		
KH E 10.0/30 MC ESS 30	KH E 25.0/30 MC ESS 30	KH E 70,0/30 MC ESS 30		
9379.0 500 Page 369	**9384.0** 500 Page 369	**9389.0** 250 Page 369		
Transparent	Transparent	Transparent		
12|15|18|21|30	12|15|18|21|30	12|15|18|21|30		
PVC, halogen-free	PVC, halogen-free	PVC, halogen-free		
-40°C to +90°C	-40°C to +90°C	-40°C to +90°C		
V0	V0	V0		
Alkaline substances, alcohol, and various cleaning agents	Alkaline substances, alcohol, and various cleaning agents	Alkaline substances, alcohol, and various cleaning agents		
MC ESS series	MC ESS series	MC ESS series		
4.0 - 10. 0 4.3 - 6.3	10.0 - 25.0 6.0 - 10.0	25.0 - 70.0 9.0 - 15.0		

Wire and terminal markers – Cable marker sleeves KBH

Wire marking KBH 3/3 | KH 3/6

KBH cable marker sleeves provide a safe, quick and simple marking solution.

Safe and adjustable, for unconnected cables. Perfect for use with wire cross-sections of 0.2 to 1.5 mm². Available in 3 mm and 6 mm lengths. Easy to read with high-contrast typeface. Torsion resistant for reliable marking combinations. Resistant to environmental influences.
Material: Soft PVC, with no cadmium or silicone. Halogen-free markers (**KBHZ**) are available on request.



Type	Qty.
Type/Colour bag	KBH 3/3 blank YE
Cat. no.	**2631.0104** 200
Type/Colour roll	KBH 3/3 blank YE
Cat. no.	**2142.0104** 1000

Characteristics	
Dimensions	
Length KBH 3/3 | KH 3/6 (mm)	3 | 6
Material	
Material	Soft PVC, no cadmium or silicone,
Temperature range	Dimensionally stable between -30 °C and +60 °C
Flamm. class acc. to UL 94	V0
Resistance	Oils, benzene, gamma and UV radiation
Inscription	
Printing process	Hot stamped
Marker pen	BS-1
Application	
Wire cross-section, mm²	0.2 - 1.5
Outer diameter of insulation in mm	1.3 - 3

Accessories	Qty.
Installation tool	MD 3
Cat. no.	**2650.0** 1

Installation tool MD

More accessories starting on page 264.

KBH 3

KBH 3/3 yellow Inscription	Cat. no. Bag with 200 pcs	KBH 3/3 yellow Inscription	Cat. no. Bag with 200 pcs
0	**2630.0000**	+	**2630.0419**
1	**2630.0001**	-	**2630.0420**
2	**2630.0002**	/	**2630.0402**
3	**2630.0003**	.	**2630.0403**
4	**2630.0004**	:	**2630.0404**
5	**2630.0005**	=	**2630.0405**
6	**2630.0006**	⏚	**2630.0406**
7	**2630.0007**	⏚	**2630.0407**
8	**2630.0008**	~	**2630.0408**
9	**2630.0009**	+ *1	**2630.0400**
		- *2	**2630.0401**
A	**2630.0200**	a	**2630.0300**
B	**2630.0201**	b	**2630.0301**
C	**2630.0202**	c	**2630.0302**
D	**2630.0203**	d	**2630.0303**
E	**2630.0204**	e	**2630.0304**
F	**2630.0205**	f	**2630.0305**
G	**2630.0206**	g	**2630.0306**
H	**2630.0207**	h	**2630.0307**
I	**2630.0208**	i	**2630.0308**
J	**2630.0209**	j	**2630.0309**
K	**2630.0210**	k	**2630.0310**
L	**2630.0211**	l	**2630.0311**
M	**2630.0212**	m	**2630.0312**
N	**2630.0213**	n	**2630.0313**
O	**2630.0214**	o	**2630.0314**
P	**2630.0215**	p	**2630.0315**
Q	**2630.0216**	q	**2630.0316**
R	**2630.0217**	r	**2630.0317**
S	**2630.0218**	s	**2630.0318**
T	**2630.0219**	t	**2630.0319**
U	**2630.0220**	u	**2630.0320**
V	**2630.0221**	v	**2630.0321**
W	**2630.0222**	w	**2630.0322**
X	**2630.0223**	x	**2630.0323**
Y	**2630.0224**	y	**2630.0324**
Z	**2630.0225**	z	**2630.0325**

KBH 3/3 Colour of ferrule	Cat. no. Bag with 200 pcs	KBH 3/3 Ferrule colour Inscription	Cat. no. Bag with 200 pcs
black	**2631.0100**	black/0	**2597.0000**
brown	**2631.0101**	brown/1	**2597.0001**
red	**2631.0102**	red/2	**2597.0002**
orange	**2631.0103**	orange/3	**2597.0003**
yellow	**2631.0104**	yellow/4	**2597.0004**
green	**2631.0105**	green/5	**2597.0005**
blue	**2631.0106**	blue/6	**2597.0006**
violet	**2631.0107**	magenta/7	**2597.0007**
grey	**2631.0108**	grey/8	**2597.0008**
white	**2631.0109**	white/9	**2597.0009**

KBH 3/6 Colour of ferrule	Cat. no. Bag with 200 pcs
L1	**2678.0409**
L2	**2678.0410**
L3	**2678.0411**
MP*2	**2678.0412**
PE	**2678.0413**
X1	**2678.0414**
X2	**2678.0415**
X3	**2678.0416**
A1	**2678.0417**
A2	**2678.0418**

KBH 3

KBH 3/3 yellow Inscription	Cat. no. Roll with 1000 pcs	KBH 3/3 yellow Inscription	Cat. no. Roll with 1000 pcs
0	**2156.0000**	+	**2156.0419**
1	**2156.0001**	-	**2156.0420**
2	**2156.0002**	/	**2156.0402**
3	**2156.0003**	.	**2156.0403**
4	**2156.0004**	:	**2156.0404**
5	**2156.0005**	=	**2156.0405**
6	**2156.0006**	⏚	**2156.0406**
7	**2156.0007**	⏚	**2156.0407**
8	**2156.0008**	~	**2156.0408**
9	**2156.0009**	+ *1	**2156.0400**
		- *2	**2156.0401**
A	**2156.0200**	a	**2156.0300**
B	**2156.0201**	b	**2156.0301**
C	**2156.0202**	c	**2156.0302**
D	**2156.0203**	d	**2156.0303**
E	**2156.0204**	e	**2156.0304**
F	**2156.0205**	f	**2156.0305**
G	**2156.0206**	g	**2156.0306**
H	**2156.0207**	h	**2156.0307**
I	**2156.0208**	i	**2156.0308**
J	**2156.0209**	j	**2156.0309**
K	**2156.0210**	k	**2156.0310**
L	**2156.0211**	l	**2156.0311**
M	**2156.0212**	m	**2156.0312**
N	**2156.0213**	n	**2156.0313**
O	**2156.0214**	o	**2156.0314**
P	**2156.0215**	p	**2156.0315**
Q	**2156.0216**	q	**2156.0316**
R	**2156.0217**	r	**2156.0317**
S	**2156.0218**	s	**2156.0318**
T	**2156.0219**	t	**2156.0319**
U	**2156.0220**	u	**2156.0320**
V	**2156.0221**	v	**2156.0321**
W	**2156.0222**	w	**2156.0322**
X	**2156.0223**	x	**2156.0323**
Y	**2156.0224**	y	**2156.0324**
Z	**2156.0225**	z	**2156.0325**

KBH 3/3 Colour of ferrule	Cat. no. Roll with 1000 pcs
black	**2142.0100**
brown	**2142.0101**
red	**2142.0102**
orange	**2142.0103**
yellow	**2142.0104**
green	**2142.0105**
blue	**2142.0106**
violet	**2142.0107**
grey	**2142.0108**
white	**2142.0109**

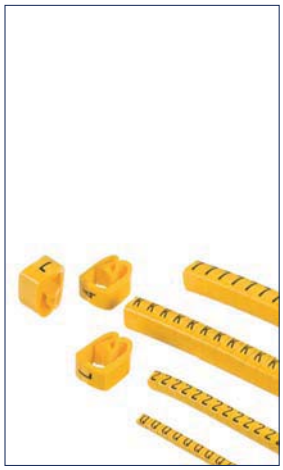
KBH 3/6 Colour of ferrule	Cat. no. Roll with 1000 pcs
L1	**2675.0409**
L2	**2675.0410**
L3	**2675.0411**
MP*2	**2675.0412**
PE	**2675.0413**
X1	**2675.0414**
X2	**2675.0415**
X3	**2675.0416**
A1	**2675.0417**
A2	**2675.0418**

*1: red ferrules
*2: blue ferrules

Wire and terminal markers – Cable marker sleeves KBH

Wire marking KBH 5/3 | KH 5/6

KBH cable marker sleeves provide a safe, quick and simple marking solution. Safe and adjustable, for unconnected cables. Perfect for use with wire cross-sections of 1.5 mm² to 4 mm². Available in 3 mm and 6 mm lengths. Easy to read with high-contrast typeface. Torsion resistant for reliable marking combinations. Resistant to environmental influences.
Material: Soft PVC, with no cadmium or silicone. Halogen-free markers (**KBHZ**) are available on request.



Type	Qty.
Type/Colour bag	KBH 3/3 blank YE
Cat. no.	**2633.0104** 200
Type/Colour roll	KBH 3/3 blank YE
Cat. no.	**2146.0104** 1000

Colours available

Characteristics

Dimensions	
Length KBH 5/3 | KBH 5/6 (mm)	3 | 6

Material	
Material	Soft PVC, no cadmium or silicone,
Temperature range	Dimensionally stable between -30 °C and +60 °C
Flamm. class acc. to UL 94	V0
Resistance	Oils, benzene, gamma and UV radiation

Inscription	
Printing process	Hot stamped
Marker pen	BS-1

Application	
Wire cross-section, mm²	1,5 - 4
Outer diameter of insulation in mm	2,5 - 5

Accessories	Qty.
Installation tool	MD 4
Cat. no.	**2651.0** 1
Installation tool	MD 5
Cat. no.	**2652.0** 1

Installation tool MD

More accessories starting on page 264.

KBH 5

KBH 5/3 yellow Inscription	Cat. no. Bag with 200 pcs	KBH 5/3 yellow Inscription	Cat. no. Bag with 200 pcs
0	**2632.0000**	+	**2632.0419**
1	**2632.0001**	-	**2632.0420**
2	**2632.0002**	/	**2632.0402**
3	**2632.0003**	.	**2632.0403**
4	**2632.0004**	:	**2632.0404**
5	**2632.0005**	=	**2632.0405**
6	**2632.0006**	⏚	**2632.0406**
7	**2632.0007**	⏚	**2632.0407**
8	**2632.0008**	~	**2632.0408**
9	**2632.0009**	+ *1	**2632.0400**
		- *2	**2632.0401**
A	**2632.0200**	a	**2632.0300**
B	**2632.0201**	b	**2632.0301**
C	**2632.0202**	c	**2632.0302**
D	**2632.0203**	d	**2632.0303**
E	**2632.0204**	e	**2632.0304**
F	**2632.0205**	f	**2632.0305**
G	**2632.0206**	g	**2632.0306**
H	**2632.0207**	h	**2632.0307**
I	**2632.0208**	i	**2632.0308**
J	**2632.0209**	j	**2632.0309**
K	**2632.0210**	k	**2632.0310**
L	**2632.0211**	l	**2632.0311**
M	**2632.0212**	m	**2632.0312**
N	**2632.0213**	n	**2632.0313**
O	**2632.0214**	o	**2632.0314**
P	**2632.0215**	p	**2632.0315**
Q	**2632.0216**	q	**2632.0316**
R	**2632.0217**	r	**2632.0317**
S	**2632.0218**	s	**2632.0318**
T	**2632.0219**	t	**2632.0319**
U	**2632.0220**	u	**2632.0320**
V	**2632.0221**	v	**2632.0321**
W	**2632.0222**	w	**2632.0322**
X	**2632.0223**	x	**2632.0323**
Y	**2632.0224**	y	**2632.0324**
Z	**2632.0225**	z	**2632.0325**

KBH 5/3 yellow Inscription	Cat. no. Bag with 200 pcs	KBH 5/3 Ferrule colour Inscription	Cat. no. Bag of 200
black	**2633.0100**	black/0	**2596.0000**
brown	**2633.0101**	brown/1	**2596.0001**
red	**2633.0102**	red/2	**2596.0002**
orange	**2633.0103**	orange/3	**2596.0003**
yellow	**2633.0104**	yellow/4	**2596.0004**
green	**2633.0105**	green/5	**2596.0005**
blue	**2633.0106**	blue/6	**2596.0006**
violet	**2633.0107**	magenta/7	**2596.0007**
grey	**2633.0108**	grey/8	**2596.0008**
white	**2633.0109**	white/9	**2596.0009**

KBH 5/6 Colour of ferrule	at. no. Roll with 200 pcs
L1	**2681.0409**
L2	**2681.0410**
L3	**2681.0411**
MP*2	**2681.0412**
PE	**2681.0413**
X1	**2681.0414**
X2	**2681.0415**
X3	**2681.0416**
A1	**2681.0417**
A2	**2681.0418**

*1: red ferrules
*2: blue ferrules

KBH 5

KBH 5/3 yellow Inscription	Cat. no. Roll with 1000 pcs	KBH 5/3 yellow Inscription	Cat. no. Roll with 1000 pcs
0	**2160.0000**	+	**2160.0419**
1	**2160.0001**	-	**2160.0420**
2	**2160.0002**	/	**2160.0402**
3	**2160.0003**	.	**2160.0403**
4	**2160.0004**	:	**2160.0404**
5	**2160.0005**	=	**2160.0405**
6	**2160.0006**	⏚	**2160.0406**
7	**2160.0007**	⏚	**2160.0407**
8	**2160.0008**	~	**2160.0408**
9	**2160.0009**	+ *1	**2160.0400**
		- *2	**2160.0401**
A	**2160.0200**	a	**2160.0300**
B	**2160.0201**	b	**2160.0301**
C	**2160.0202**	c	**2160.0302**
D	**2160.0203**	d	**2160.0303**
E	**2160.0204**	e	**2160.0304**
F	**2160.0205**	f	**2160.0305**
G	**2160.0206**	g	**2160.0306**
H	**2160.0207**	h	**2160.0307**
I	**2160.0208**	i	**2160.0308**
J	**2160.0209**	j	**2160.0309**
K	**2160.0210**	k	**2160.0310**
L	**2160.0211**	l	**2160.0311**
M	**2160.0212**	m	**2160.0312**
N	**2160.0213**	n	**2160.0313**
O	**2160.0214**	o	**2160.0314**
P	**2160.0215**	p	**2160.0315**
Q	**2160.0216**	q	**2160.0316**
R	**2160.0217**	r	**2160.0317**
S	**2160.0218**	s	**2160.0318**
T	**2160.0219**	t	**2160.0319**
U	**2160.0220**	u	**2160.0320**
V	**2160.0221**	v	**2160.0321**
W	**2160.0222**	w	**2160.0322**
X	**2160.0223**	x	**2160.0323**
Y	**2160.0224**	y	**2160.0324**
Z	**2160.0225**	z	**2160.0325**

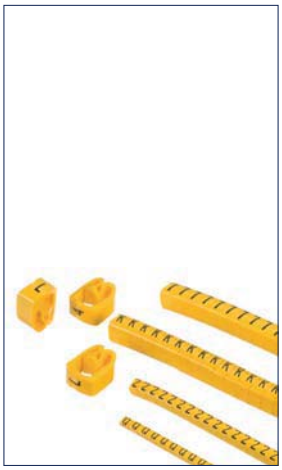
KBH 5/3 Colour of ferrule	Cat. no. Roll with 1000 pcs
black	**2146.0100**
brown	**2146.0101**
red	**2146.0102**
orange	**2146.0103**
yellow	**2146.0104**
green	**2146.0105**
blue	**2146.0106**
violet	**2146.0107**
grey	**2146.0108**
white	**2146.0109**

KBH 5/6 Colour of ferrule	Cat. no. Roll with 1000 pcs
L1	**2634.0409**
L2	**2634.0410**
L3	**2634.0411**
MP*2	**2634.0412**
PE	**2634.0413**
X1	**2634.0414**
X2	**2634.0415**
X3	**2634.0416**
A1	**2634.0417**
A2	**2634.0418**

Wire and terminal markers – Cable marker sleeves KBH

Wire marking KBH 10/4 | KBH 10/6

KBH cable marker sleeves provide a safe, quick and simple marking solution. Safe and adjustable, for unconnected cables. Perfect for use with wire cross-sections of 2,5 to 16 mm². Available in 4 mm and 6 mm lengths. Easy to read with high-contrast typeface. Torsion resistant for reliable marking combinations. Resistant to environmental influences.
Material: Soft PVC, with no cadmium or silicone. Halogen-free markers (**KBHZ**) are available on request.



Type	Qty.
Type/Colour bag	KBH 10/4 blank YE
Cat. no.	**2638.0104** 100
Type/Colour roll	KBH 10/4 blank YE
Cat. no.	**2148.0104** 250

Characteristics	
Dimensions	
Length KBH 10/4 | KBH 10/6 (mm)	4 | 6
Material	
Material	Soft PVC, no cadmium or silicone,
Temperature range	Dimensionally stable between -30 °C and +60 °C
Flamm. class acc. to UL 94	V0
Resistance	Oils, benzene, gamma and UV radiation
Inscription	
Printing process	Hot stamped
Marker pen	BS-1
Application	
Wire cross-section, mm²	2.5 - 16
Outer diameter of insulation in mm	4 - 10

Colours available

KBH 10

KBH 10/4 Yellow Inscription	Cat. no. Bag with 100 pcs	KBH 10/4 Yellow Inscription	Cat. no. Bag with 100 pcs
0	**2637.0000**	+	**2637.0419**
1	**2637.0001**	-	**2637.0420**
2	**2637.0002**	/	**2637.0402**
3	**2637.0003**	.	**2637.0403**
4	**2637.0004**	:	**2637.0404**
5	**2637.0005**	=	**2637.0405**
6	**2637.0006**	⏚	**2637.0406**
7	**2637.0007**	⏚	**2637.0407**
8	**2637.0008**	~	**2637.0408**
9	**2637.0009**	+ *1	**2637.0400**
		- *2	**2637.0401**
A	**2637.0200**	a	**2637.0300**
B	**2637.0201**	b	**2637.0301**
C	**2637.0202**	c	**2637.0302**
D	**2637.0203**	d	**2637.0303**
E	**2637.0204**	e	**2637.0304**
F	**2637.0205**	f	**2637.0305**
G	**2637.0206**	g	**2637.0306**
H	**2637.0207**	h	**2637.0307**
I	**2637.0208**	i	**2637.0308**
J	**2637.0209**	j	**2637.0309**
K	**2637.0210**	k	**2637.0310**
L	**2637.0211**	l	**2637.0311**
M	**2637.0212**	m	**2637.0312**
N	**2637.0213**	n	**2637.0313**
O	**2637.0214**	o	**2637.0314**
P	**2637.0215**	p	**2637.0315**
Q	**2637.0216**	q	**2637.0316**
R	**2637.0217**	r	**2637.0317**
S	**2637.0218**	s	**2637.0318**
T	**2637.0219**	t	**2637.0319**
U	**2637.0220**	u	**2637.0320**
V	**2637.0221**	v	**2637.0321**
W	**2637.0222**	w	**2637.0322**
X	**2637.0223**	x	**2637.0323**
Y	**2637.0224**	y	**2637.0324**
Z	**2637.0225**	z	**2637.0325**

KBH 10

KBH 10/4 yellow Inscription	Cat. no. Roll à 250	KBH 10/4 yellow Inscription	Cat. no. Roll at 250 pcs
0	**2162.0000**	+	**2162.0419**
1	**2162.0001**	-	**2162.0420**
2	**2162.0002**	/	**2162.0402**
3	**2162.0003**	.	**2162.0403**
4	**2162.0004**	:	**2162.0404**
5	**2162.0005**	=	**2162.0405**
6	**2162.0006**	⏚	**2162.0406**
7	**2162.0007**	⏚	**2162.0407**
8	**2162.0008**	~	**2162.0408**
9	**2162.0009**	+*1	**2162.0400**
		- *2	**2162.0401**
A	**2162.0200**	a	**2162.0300**
B	**2162.0201**	b	**2162.0301**
C	**2162.0202**	c	**2162.0302**
D	**2162.0203**	d	**2162.0303**
E	**2162.0204**	e	**2162.0304**
F	**2162.0205**	f	**2162.0305**
G	**2162.0206**	g	**2162.0306**
H	**2162.0207**	h	**2162.0307**
I	**2162.0208**	i	**2162.0308**
J	**2162.0209**	j	**2162.0309**
K	**2162.0210**	k	**2162.0310**
L	**2162.0211**	l	**2162.0311**
M	**2162.0212**	m	**2162.0312**
N	**2162.0213**	n	**2162.0313**
O	**2162.0214**	o	**2162.0314**
P	**2162.0215**	p	**2162.0315**
Q	**2162.0216**	q	**2162.0316**
R	**2162.0217**	r	**2162.0317**
S	**2162.0218**	s	**2162.0318**
T	**2162.0219**	t	**2162.0319**
U	**2162.0220**	u	**2162.0320**
V	**2162.0221**	v	**2162.0321**
W	**2162.0222**	w	**2162.0322**
X	**2162.0223**	x	**2162.0323**
Y	**2162.0224**	y	**2162.0324**
Z	**2162.0225**	z	**2162.0325**

KBH 10/4 Colour of ferrule	Cat. no. Bag with 100 pcs	KBH 10/4 Ferrule colour Inscription	Cat. no. Bag with 100 pcs
black	**2638.0100**	black/0	**2589.0000**
brown	**2638.0101**	brown/1	**2589.0001**
red	**2638.0102**	red/2	**2589.0002**
orange	**2638.0103**	orange/3	**2589.0003**
yellow	**2638.0104**	yellow/4	**2589.0004**
green	**2638.0105**	green/5	**2589.0005**
blue	**2638.0106**	blue/6	**2589.0006**
violet	**2638.0107**	magenta/7	**2589.0007**
grey	**2638.0108**	grey/8	**2589.0008**
white	**2638.0109**	white/9	**2589.0009**

KBH 10/4 Colour of ferrule	Cat. no. Roll with 250 pcs	KBH 10/6 Ferrule colour	Cat. no. Roll with 125 pcs
black	**2148.0100**	L1	**2695.0409**
brown	**2148.0101**	L2	**2695.0410**
red	**2148.0102**	L3	**2695.0411**
orange	**2148.0103**	MP*2	**2695.0412**
yellow	**2148.0104**	PE	**2695.0413**
green	**2148.0105**	X1	**2695.0414**
blue	**2148.0106**	X2	**2695.0415**
violet	**2148.0107**	X3	**2695.0416**
grey	**2148.0108**	A1	**2695.0417**
white	**2148.0109**	A2	**2695.0418**

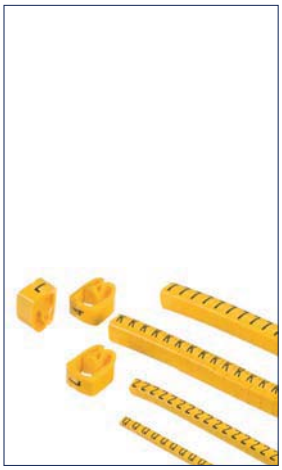
More accessories starting on page 264.

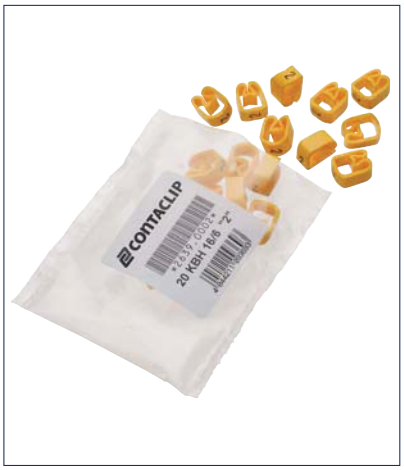
*1: red ferrules
*2: blue ferrules

Wire and terminal markers – Cable marker sleeves KBH

Wire marking KBH 16/6

KBH cable marker sleeves provide a safe, quick and simple marking solution. Safe and adjustable, for unconnected cables. Perfect for use with wire cross-sections of 16 to 70 mm². Easy to read with high-contrast typeface. Torsion resistant for reliable marking combinations. Resistant to environmental influences.
Material: Soft PVC, with no cadmium or silicone. Halogen-free markers (**KBHZ**) are available on request.





Type	Qty.
Type/Colour bag	KBH 16/6 blank YE
Cat. no.	**2640.0104** 20

Colours available

Characteristics

Dimensions	
Length KBH 16, mm	6

Material	
Material	Soft PVC, no cadmium or silicone,
Temperature range	Dimensionally stable between -30 °C and +60 °C
Flamm. class acc. to UL 94	V0
Resistance	Oils, benzene, gamma and UV radiation

Inscription	
Printing process	Hot stamped
Marker pen	BS-1

Application	
Wire cross-section, mm²	16 - 70
Outer diameter of insulation in mm	8 - 16

KBH 16

KBH 16/6 yellow Inscription	Cat. no. Bag with 20 pcs	KBH 16/6 yellow Inscription	Cat. no. Bag with 20 pcs
0	**2639.0000**	+	**2639.0419**
1	**2639.0001**	-	**2639.0420**
2	**2639.0002**	/	**2639.0402**
3	**2639.0003**	.	**2639.0403**
4	**2639.0004**	:	**2639.0404**
5	**2639.0005**	=	**2639.0405**
6	**2639.0006**	⏚	**2639.0406**
7	**2639.0007**	⏚	**2639.0407**
8	**2639.0008**	~	**2639.0408**
9	**2639.0009**	+ *1	**2639.0400**
		- *2	**2639.0401**
A	**2639.0200**	a	**2637.0300**
B	**2639.0201**	b	**2637.0301**
C	**2639.0202**	c	**2637.0302**
D	**2639.0203**	d	**2637.0303**
E	**2639.0204**	e	**2637.0304**
F	**2639.0205**	f	**2637.0305**
G	**2639.0206**	g	**2637.0306**
H	**2639.0207**	h	**2637.0307**
I	**2639.0208**	i	**2637.0308**
J	**2639.0209**	j	**2637.0309**
K	**2639.0210**	k	**2637.0310**
L	**2639.0211**	l	**2637.0311**
M	**2639.0212**	m	**2637.0312**
N	**2639.0213**	n	**2637.0313**
O	**2639.0214**	o	**2637.0314**
P	**2639.0215**	p	**2637.0315**
Q	**2639.0216**	q	**2637.0316**
R	**2639.0217**	r	**2637.0317**
S	**2639.0218**	s	**2637.0318**
T	**2639.0219**	t	**2637.0319**
U	**2639.0220**	u	**2637.0320**
V	**2639.0221**	v	**2637.0321**
W	**2639.0222**	w	**2637.0322**
X	**2639.0223**	x	**2637.0323**
Y	**2639.0224**	y	**2637.0324**
Z	**2639.0225**	z	**2637.0325**

KBH 16/6 Colour of ferrule	Cat. no. Bag with 20 pcs
black	**2640.0100**
brown	**2640.0101**
red	**2640.0102**
orange	**2640.0103**
yellow	**2640.0104**
green	**2640.0105**
blue	**2640.0106**
violet	**2640.0107**
grey	**2640.0108**
white	**2640.0109**

More accessories starting on page 264.

*1: red ferrules
*2: blue ferrules

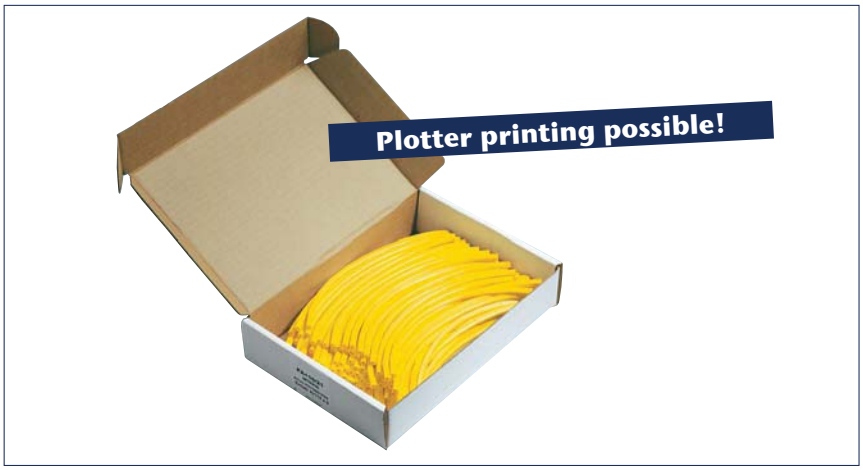
Wire and terminal markers – Cable marker sleeves KBH

Cable marker sleeve KBH

KBH cable marker sleeves provide a safe, quick and simple marking solution. Safe and adjustable, for unconnected cables.

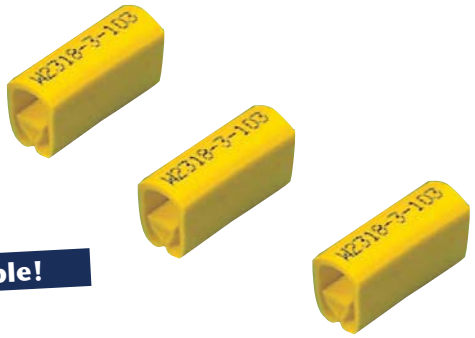
Perfect for use with wire cross-sections of 2.5 to 16 mm².
- Available in lengths of 15 mm, 21 mm, 27 mm and 36 mm.
- Easy to read with high-contrast typeface.
- Torsion resistant for reliable marking combinations.

Resistant to environmental influences.
Material: Soft PVC, with no cadmium or silicone.



Type	KBH 3/15 strip	KBH 3/21 strip	KBH 3/27 strip
	Qty.	Qty.	Qty.
Type/colour	KBH 3/15 blank YE strip	KBH 3/21 blank YE strip	KBH 3/27 blank YE strip
Cat. no.	**2627.0** 1008	**2661.0** 1008	**2629.0** 1001
Type/colour	KBH 3/15 blank WH strip	KBH 3/21 blank WH strip	KBH 3/27 blank WH strip
Cat. no.	**2628.0** 1008	**2662.0** 1008	**2663.0** 1001
Colours available	.8 .7	.8 .7	.8 .7
Characteristics			
Dimensions			
Length, mm	15	21	27
Number of ferrules per strip	12	9	7
Number of strips per pack	84	112	143
Material			
Material	Soft PVC, no cadmium or silicone	Soft PVC, no cadmium or silicone	Soft PVC, no cadmium or silicone
Temperature range	-30°C to +60°C	-30°C to +60°C	-30°C to +60°C
Flamm. class acc. to UL 94	V0	V0	V0
Resistance	Oils, benzene, gamma and UV radiation	Oils, benzene, gamma and UV radiation	Oils, benzene, gamma and UV radiation
Inscription			
Plotter	EMS	EMS	EMS
Plotter inlay	CCI-17	CCI-17	CCI-17
Marker pen	BS-1	BS-1	BS-1
Application			
Cross-section, mm²	0.2-1.5	0.2-1.5	0.2-1.5
Outer diameter of insulation, mm	1.3-3	1.3-3	1.3-3
Accessories	Page Qty.	Page Qty.	Page Qty.
Installation tool	MD 3	MD 3	MD 3
Cat. no.	**2650.0** - 1	**2650.0** - 1	**2650.0** - 1
Additional accessories			

Plotter printing possible!



KBH 5/15 strip	KBH 5/21 strip	KBH 5/27 strip	KBH 10/15-Single	KBH 10/21-Single
Qty.	Qty.	Qty.	Qty.	Qty.
KBH 5/15 blank YE strip **2664.0** 1008	KBH 5/21 blank YE strip **2673.0** 1008	KBH 5/27 blank YE strip **2684.0** 910	KBH 10/15 blank YE single **2590.0** 100	KBH 10/21 blank YE single **2592.0** 100
KBH 5/15 blank WH strip **2665.0** 1008	KBH 5/21 blank WH strip **2674.0** 1008	KBH 5/27 blank WH strip **2685.0** 910	KBH 10/15 blank WH single **2656.0** 100	KBH 10/21 blank WH single **2657.0** 100
.8 .7	.8 .7	.8 .7	.8 .7	.8 .7
15	21	27	15	21
12	9	7	-	-
84	112	130	-	-
Soft PVC, no cadmium or silicone	Soft PVC, no cadmium or silicone	Soft PVC, no cadmium or silicone	Soft PVC, no cadmium or silicone	Soft PVC, no cadmium or silicone
-30°C to +60°C	-30°C to +60°C	-30°C to +60°C	-30°C to +60°C	-30°C to +60°C
V0	V0	V0	V0	V0
Oils, benzene, gamma and UV radiation	Oils, benzene, gamma and UV radiation	Oils, benzene, gamma and UV radiation	Oils, benzene, gamma and UV radiation	Oils, benzene, gamma and UV radiation
EMS	EMS	EMS	EMS	EMS
CCI-18	CCI-18	CCI-18	CCI-19	CCI-19
BS-1	BS-1	BS-1	BS-1	BS-1
1,5-4	1,5-4	1,5-4	2,5-16	2,5-16
2,5-5	2,5-5	2,5-5	4-10	4-10

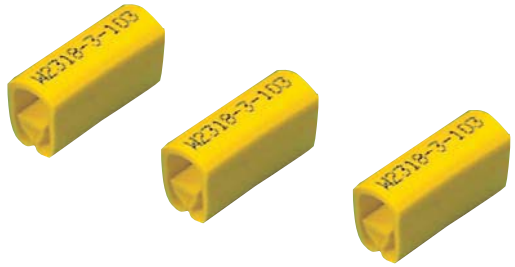
	Page	Qty.		Page	Qty.		Page	Qty.		Page	Qty.		Page	Qty.
MD 4 **2651.0**	-	1	MD 4 **2651.0**	-	1	MD 4 **2651.0**	-	1						
MD 5 **2652.0**	-	1	MD 5 **2652.0**	-	1	MD 5 **2652.0**	-	1						

Wire and terminal markers – Cable marker sleeves KBH

Cable marker sleeve KBH	KBH 10/27-Single	KBH 10/36-Single	

KBH cable marker sleeves provide a safe, quick and simple marking solution. Safe and adjustable, for unconnected cables. Perfect for use with wire cross-sections of 2.5 to 16 mm². Available in lengths of 15 mm, 21 mm, 27 mm and 36 mm. Easy to read with high-contrast typeface. Torsion resistant for reliable marking combinations. Resistant to environmental influences.

Material: Soft PVC, with no cadmium or silicone.



Plotter printing possible!

Type	Qty.	Qty.	
Type/colour	KBH 10/27 blank YE single	KBH 10/36 blank YE single	
Cat. no.	**2593.0** 100	**2594.0** 100	
Type/colour	KBH 10/27 blank WH single	KBH 10/36 blank WH single	
Cat. no.	**3435.0** 100	**2659.0** 100	
Colours available	.8 .7	.8 .7	

Characteristics			
Dimensions			
Length, mm	27	36	
Number of ferrules per strip	-	-	
Number of strips per pack	-	-	
Material			
Material	Soft PVC, no cadmium or silicone	Soft PVC, no cadmium or silicone	
Temperature range	-30°C to +60°C	-30°C to +60°C	
Flamm. class acc. to UL 94	V0	V0	
Resistance	Oils, benzene, gamma and UV radiation	Oils, benzene, gamma and UV radiation	
Inscription			
Plotter	EMS	EMS	
Plotter inlay	CCI-19	CCI-19	
Marker pen	BS-1	BS-1	
Application			
Cross-section, mm²	2.5-16	2.5-16	
Outer diameter of insulation, mm	4-10	4-10	

Accessories	Page Qty.	Page Qty.	
Installation tool			
Cat. no.			

Additional accessories

Wire and cable markers – Cable marker sleeves KBH

Cable marker sleeve KBH-C

KBH-C wire markers provide a safe, quick and simple solution for marking wires that are already connected.

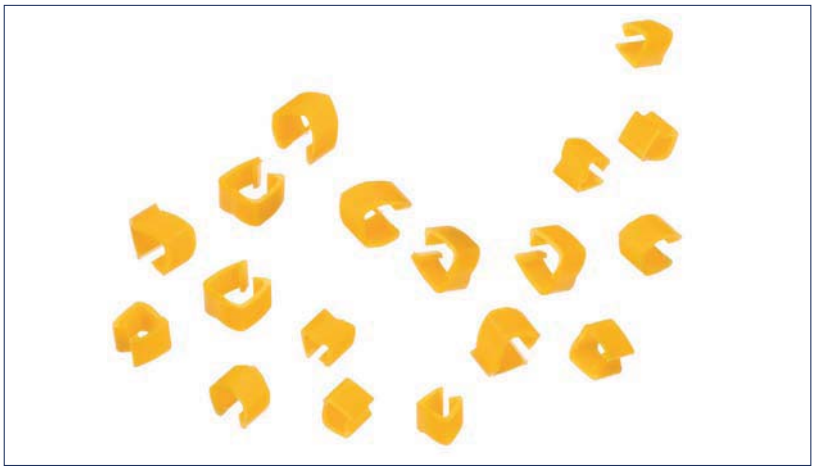
Rapid snap-on attachment.
Perfect for use with wire cross-sections of 0.4 – 4 mm². Torsion resistant for reliable marking combinations. Very low space requirements. Material: hard PVC, with no cadmium or silicone.

Type	Qty.
Type/colour	
Cat. no.	
Type/colour	
Cat. no.	
Colours available	.8
Characteristics	
Dimensions	
Length, mm	3
Material	
Material	Hard PVC, cadmium-free and silicone-free
Temperature range	-30°C to +60°C
Flamm. class acc. to UL 94	V0
Resistance	Oils, benzene, gamma and UV radiation
Inscription	
Printing process	Hot stamped
Marker pen	–
Application	
Cross-section*, mm²	0,4-1,5 | 1,5-3 | 3-4
Outer diameter of insulation*, mm	2,4-3 | 3-4 | 4-5
*KBH-C 10|20|30	

Accessories	Page	Qty.

*¹: red ferrules
*²: blue ferrules

KBH-C



KBH-C

KBH-C 10 yellow Inscription	Cat. no. Bag à 200
0	2591.0000
1	2591.0001
2	2591.0002
3	2591.0003
4	2591.0004
5	2591.0005
6	2591.0006
7	2591.0007
8	2591.0008
9	2591.0009
+	2591.0419
-	2591.0420
/	2591.0402
.	2591.0403
:	2591.0404
=	2591.0405
⏚	2591.0406
⏚	2591.0407
~	2591.0408
+ *¹	2591.0400
- *²	2591.0401

KBH-C 30 yellow Inscription	Cat. no. Bag à 200
0	2599.0000
1	2599.0001
2	2599.0002
3	2599.0003
4	2599.0004
5	2599.0005
6	2599.0006
7	2599.0007
8	2599.0008
9	2599.0009
+	2599.0419
-	2599.0420
/	2599.0402
.	2599.0403
:	2599.0404
=	2599.0405
⏚	2599.0406
⏚	2599.0407
~	2599.0408
+ *¹	2599.0400
- *²	2599.0401

KBH-C 20 yellow Inscription	Cat. no. Bag with 200
0	2595.0000
1	2595.0001
2	2595.0002
3	2595.0003
4	2595.0004
5	2595.0005
6	2595.0006
7	2595.0007
8	2595.0008
9	2595.0009
+	2595.0419
-	2595.0420
/	2595.0402
.	2595.0403
:	2595.0404
=	2595.0405
⏚	2595.0406
⏚	2595.0407
~	2595.0408
+ *¹	2595.0400
- *²	2595.0401

Wire and cable markers – Cable marker sleeves KSH

Cable marker sleeve KSH

The **KSH** cable marker sleeves, used in combination with the **ESS Maxicard** and **GS markers**, enable cables to be labelled quickly and conveniently.
The **KSH** is simply attached to the cable using cable ties. This makes them particularly suitable for cables with large cross-sections. When used together, the Maxicard and the **KSH** cable marker sleeves ensure that your labels are protected from environmental influences.

Available in three different sizes.

Material: Soft PVC, no cadmium or silicone

Type	KSH 11/33	Qty.	Appropriate markers	KSH 6/33	Qty.	Appropriate markers	KSH 4/30	Qty.	Appropriate markers
Type/colour	KSH 11/33		MC GS 7/20	KSH 6/33		MC ESS 18	KSH 4/30		MC ESS 30
Cat. no.	**2384.0**	100	Page 396	**2383.0**	100	Page 368	**3896.0**	100	Page 369
Type/colour									
Cat. no.									
Type/colour									
Cat. no.									
Type/colour									
Cat. no.									
Type/colour									
Cat. no.									
Colours available	transparent			transparent			transparent		
Characteristics									
Dimensions									
Length x width x height, mm	11 x 33 x 2.2			6 x 33 x 1.5			5.2 x 30 x 4		
Pocket width, mm	11			6			4.2		
Wing width, mm	-			-			14.4		
Material									
Material	Soft PVC, no cadmium or silicone			Soft PVC, no cadmium or silicone			Soft PVC, no cadmium or silicone		
Temperature range	-30°C to +60°C			-30°C to +60°C			-30°C to +60°C		
Flamm. class acc. to UL 94	V0			V0			V0		
Resistance	Oils, benzene, gamma and UV radiation			Oils, benzene, gamma and UV radiation			Oils, benzene, gamma and UV radiation		
Inscription									
Application									
Max. number of cable ties per ferrule	2			2			1		
Max. cable tie width, mm	3.6			3.6			5.4		

Accessories		Page	Qty.		Page	Qty.		Page	Qty.
KB cable ties	KB 140 BK			KB 140 BK			KB 140 BK		
Cat. no.	**2672.0**	390	1000	**2672.0**	390	1000	**2672.0**	390	1000
Maxicard MC	MC GS 7/20 WH			MC ESS 18/64 WH			MC ESS 30/60 WH		
Cat. no.	**3329.7**	396	200	**3318.7**	368	320	**3354.7**	369	300

J2356

Wire and cable markers – Maxicard MC KMS

Maxicard MC KMS

The **KMS Maxicard** provides a clear, quick and simple solution for marking a cable. The **MC KMS** is attached to the cable using one or more cable ties.

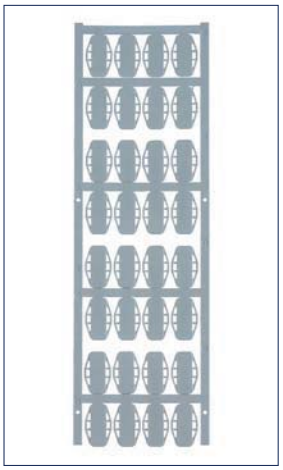
- Perfect for use with wire cross-sections of 16 mm².
- Available in four different sizes.

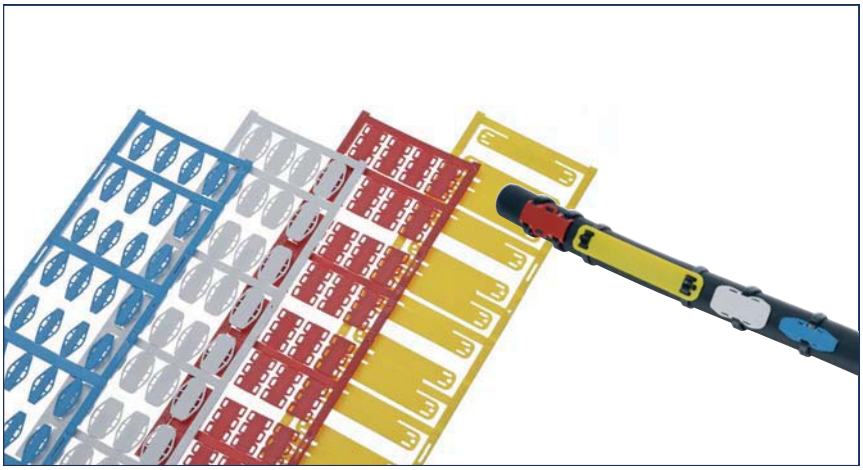
They are available blank or with custom printing. The blank Pocket-Maxicards can easily be printed on using the **EMS** plotter system.

Material: Material: polyamide 6.6 UL 94-V2, halogen-free

	MC KMS 10/23	MC KMS 11 /60	MC KMS 14 /23
Type	**Qty.**	**Qty.**	**Qty.**
Type / colour	MC KMS 10/23 WH	MC KMS 11/60 WH	MC KMS 14/23 WH
Cat. no.	**3303.7** 160	**3305.7** 60	**3304.7** 160
Type/colour Special print	MC KMS 10/23 So WH	MC MM 11/60 So WH	MC KMS 14/23 So WH
Cat. no.	**3361.7** 160	**3363.7** 60	**3362.7** 160
Type/colour			
Cat. no.			
Type/colour			
Cat. no.			
Colours available	.5 .7 .8 .9	.5 .7 .8 .9	.5 .7 .8 .9
Characteristics			
Dimensions			
Length x width, mm	10x23	11x60	14x23
Number of markers per row	4	1	4
Number of markers per card	32	12	32
Material			
Material	PA6.6, halogen-free	PA6.6, halogen-free	PA6.6, halogen-free
Temperature range	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C
Flamm. class acc. to UL 94	V2	V2	V2
Inscription			
Plotter	EMS	EMS	EMS
Plotter inlay	CCI-10	CCI-10	CCI-10
Marker pen	BS-1	BS-1	BS-1
Number of characters | lines when using font size 14 and plotter pen 0.25: horizontal	18|2	32|5	18|4
Number of characters | lines when using font size 14 and plotter pen 0.25: vertical	3|5	8|5	6|5
Application			
Wire cross-section, mm²	≥ 16	≥ 16	≥ 16
Max. number of cable ties per tag	1	2	3
Max cable tie width, mm	3.6	4.7	3.6
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
KB cable ties	KB 140 BK	KB 140 BK	KB 140 BK
Cat. no.	**2672.0** 390 1000	**2672.0** 390 1000	**2672.0** 390 1000

MC KMS 15 /24





Qty.
MC KMS 15/24 WH **3302.7** 160
MC KMS 15/24 So WH **3360.7** 160

.5 .7 .8 .9

15x24
4
32
PA6.6, halogen-free
-40°C to +105°C
V2
EMS
CCI-10
BS-1
18|4
6|5
≥ 16
1
3.6

Page	Qty.
KB 140 BK **2672.0** 390	1000

Wire and cable markers – Cable tie KB | Cable marker KKM

Cable tie KB | Cable marker KKM

KB and **KKM** cable markers provide you with a way to label your cables quickly and simply.

KB:

The cable ties come with an integrated cable marker. The **BS-1** marker pen can be used for labelling as can the **GKE** labels which can be printed on with a thermal-transfer printer.

Available in two lengths.

Material: Transparent nylon 6.6, halogen-free and silicone-free

KKM:

The **KKM** cable markers are mainly used indoors. They are attached to the cable using cable ties. They can be labelled with **GKE** labels or **MC GST** Maxicards.

They are available in two sizes. Material: Polypropylene/nylon 6.6, transparent, halogen-free and silicone-free.

	KB 100	KB 200	KB 200
Type			
Type/colour	KB 100 BF 25x8	KB 200 BF 25x8	KB 200 BF 28.5 x 13
Cat. no.	**3189.0**	**3190.0**	**3191.0**
Qty.	100	100	100
Colours available	Transparent	Transparent	Transparent
Characteristics			
Dimensions			
Length x width, mm	100 x 2.5	200 x 2.5	200 x 4.6
Length x width of label field	8 x 25	8 x 25	28.5 x 13
Material			
Material	Nylon 6.6, no halogen or silicone	Nylon 6.6, no halogen or silicone	Nylon 6.6, no halogen or silicone
Temperature range	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Flamm. class acc. to UL 94			
Inscription options			
Marker pen	BS-1	BS-1	BS-1
Labels	GKE	GKE	GKE
Maxicard	-	-	-
Application			
Max. insulation diameter, mm	24	52	46
Max. number of cable ties	-	-	-
Max. cable tie width, mm	-	-	-

Accessories	**Page**	**Qty.**	**Page**	**Qty.**	**Page**	**Qty.**
Labels GKE YE	GKE 20/8 YE	1 roll of 10000	GKE 20/8 YE	1 roll of 10000	GKE 25/12 YE	1 roll of 10000
Cat. no.	**3903.8** 404	pieces	**3903.8** 404	pieces	**3904.8** 404	pieces
Labels GKE silver	GKE 20/8 SI	1 roll of 10000	GKE 20/8 SI	1 roll of 10000	GKE 25/12 SI	1 roll of 10000
Cat. no.	**3903.0** 404	pieces	**3903.0** 404	pieces	**3904.0** 404	pieces
Labels GKE WH	GKE 20/8 WH	1 roll of 10000	GKE 20/8 WH	1 roll of 10000	GKE 25/12 WH	1 roll of 10000
Cat. no.	**3903.7** 404	pieces	**3903.7** 404	pieces	**3904.7** 404	pieces
Labels GKE YE	GKE 20/8 A4 GE	10 sheets at	GKE 20/8 A4 GE	10 sheets at	GKE 26/10 A4 GE	10 sheets at
Cat. no.	**3922.8** 405	264 pieces	**3922.8** 405	264 pieces	**3924.8** 405	156 pieces
Labels GKE WH	GKE 20/8 A4 WH	10 sheets at	GKE 20/8 A4 WH	10 sheets at	GKE 26/10 A4 WH	10 sheets at
Cat. no.	**3922.7** 405	264 pieces	**3922.7** 405	264 pieces	**3924.7** 405	156 pieces
Maxicard MC						
Cat. no.						
Marker pen	BS-1		BS-1		BS-1	
Cat. no.	**2034.0** 413	1	**2034.0** 413	1	**2034.0** 413	1
KB cable ties						
Cat. no.						

Additional accessories

More accessories starting on page 264.

KKM 34 x 10

KKM 45 x 20

Qty.	Qty.
KKM 34x10	KKM 45x20
3192.0 100	**3193.0** 100
transparent	transparent
34 x 10	45 x 20
31 x 7	40 x 19
Polypropylene, no halogen or silicone	Polypropylene, no halogen or silicone
-40°C to +105°C	-40°C to +105°C
-	-
GKE	GKE
MC GST	-
-	-
1	1
8.5	8.5

Page	Qty.	Page	Qty.
		GKE 38/19 YE **3909.8** 404	1 roll of 2000 pieces
		GKE 38/19 SI **3909.0** 404	1 roll of 2000 pieces
GKE 30/6 WH **3917.7** 404	1 roll of 10000 pieces	GKE 3819/ WH **3909.7** 404	1 roll of 2000 pieces
MC GST 27/8 R **3340.7** 399	80		
KB 140 BK **2672.0** 390	1000	KB 140 BK **2672.0** 390	1000

Wire and terminal markers – Cable marker sleeves KBH-S

Cable marker sleeve KBH-S

KBH-S cable marker sleeves provide a safe, quick and simple solution for marking a wire.
The **KBH-S** cable marker sleeves can be printed on using the **EMS** plotter system.

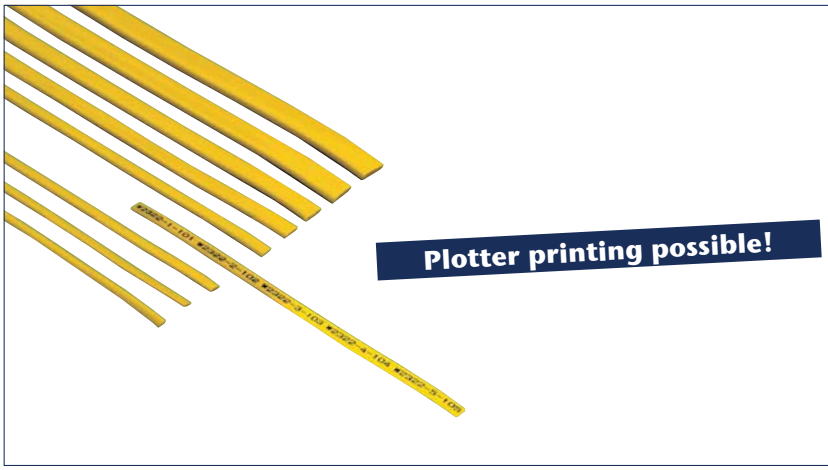
Perfect for use with wire cross-sections of 70 mm² and larger. They can be quickly attached using **KH holders** and cable ties or just with cable ties for stamped ferrules.
- They are available in 21, 25, 36, 40, 57 and 84 mm lengths.
- Easy to read with high-contrast typeface.
- Torsion resistant and captive.

Resistant to environmental influences.
Material: Soft PVC, no cadmium or silicone

KBH-S 21 – Strip

KBH-S 36 – Strip

KBH-S 57 – Strip



Type	KBH-S 21 – Strip Qty.	KBH-S 36 – Strip Qty.	KBH-S 57 – Strip Qty.
Type/colour	KBH-S 21 blank YE strip	KBH-S 36 blank YE strip	KBH-S 57 blank YE strip
Cat. no.	**2624.0** 450	**2532.0** 250	**2625.0** 150
Type/colour	KBH-S 21 blank WH strip	KBH-S 36 blank WH strip	KBH-S 57 blank WH strip
Cat. no.	**2525.0** 450	**2533.0** 250	**2626.0** 150
Colours available	.8 .7	.8 .7	.8 .7
Characteristics			
Dimensions			
Length, mm	21	36	57
Number of ferrules per strip	9	5	3
Number of strips per pack	50	50	50
Material			
Material	Soft PVC, no cadmium or silicone	Soft PVC, no cadmium or silicone	Soft PVC, no cadmium or silicone
Temperature range	-30°C to +60°C	-30°C to +60°C	-30°C to +60°C
Flamm. class acc. to UL 94	V0	V0	V0
Resistance	Oils, benzene, gamma and UV radiation	Oils, benzene, gamma and UV radiation	Oils, benzene, gamma and UV radiation
Inscription			
Plotter	EMS	EMS	EMS
Plotter inlay	CCI-15	CCI-15	CCI-15
Marker pen	BS-1	BS-1	BS-1
Number of characters| rows, font size 16, plotter pen 0.25: horizontal	12 | 3	21 | 3	32 | 3
Number of characters| rows, font size 16, plotter pen 0.25: vertical	5 | 6	5 | 6	5 | 6
Application			
Cross-section, mm²	≥70	≥70	≥70
Outer diameter of insulation, mm	≥16	≥16	≥16

Accessories	KBH-S 21 – Strip Page	Qty.	KBH-S 36 – Strip Page	Qty.	KBH-S 57 – Strip Page	Qty.
Holder KH	KH 70 BK		KH 70 BK		KH 70 BK	
Cat. no.	**2654.0** 390	100	**2654.0** 390	100	**2654.0** 390	100
Holder KH	KH 110 BK		KH 110 BK		KH 110 BK	
Cat. no.	**2655.0** 390	100	**2655.0** 390	100	**2655.0** 390	100
KB cable ties	KB 140 BK		KB 140 BK		KB 140 BK	
Cat. no.	**2672.0** 390	1000	**2672.0** 390	1000	**2672.0** 390	1000

Holder KH

Additional accessories

More accessories starting on page 264.

Wire and terminal markers – Cable marker sleeves KBH-S/KBS

Cable marker sleeve KBH-S

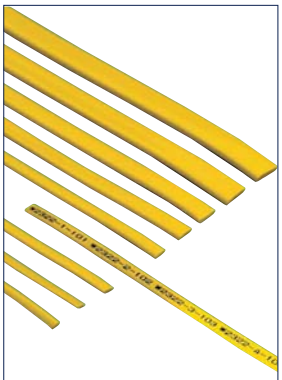
KBH-S cable marker sleeves provide a safe, quick and simple solution for marking a wire.
The **KBH-S** cable marker sleeves can be printed on using the **EMS** plotter system.

Perfect for use with wire cross-sections of 70 mm² and larger. They can be quickly attached using **KH holders** and cable ties or just with cable ties for **KBS** stamped ferrules.

- They are available in 21, 25, 36, 40, 57 and 84 mm lengths.
- Easy to read with high-contrast typeface.
- Torsion resistant and captive.

Resistant to environmental influences.
Material: Soft PVC, no cadmium or silicone

KBH-S 84 – Strip



KBS-25 – Single

KBS-40 – Single

Plotter printing possible!

Type	KBH-S 84 – Strip	Qty.	KBS-25 – Single	Qty.	KBS-40 – Single	Qty.
Type/colour	KBH-S 84 blank YE strip		KBS-25 blank YE Single		KBS-40 blank YE Single	
Cat. no.	**2562.0**	100	**2669.0104**	100	**2670.0104**	100
Type/colour	KBH-S 84 blank WH strip		KBS-25 blank WH Single		KBS-40 blank WH Single	
Cat. no.	**2565.0**	100	**2669.0109**	100	**2670.0109**	100
Type/colour						
Cat. no.						
Type/colour						
Cat. no.						
Colours available	.8 .7		.8 .7		.8 .7	

Characteristics			
Dimensions			
Length, mm	84	25	40
Number of ferrules per strip	2	-	-
Number of strips per pack	50	-	-
Material			
Material	Soft PVC, no cadmium or silicone	Soft PVC, no cadmium or silicone	Soft PVC, no cadmium or silicone
Temperature range	-30°C to +60°C	-30°C to +60°C	-30°C to +60°C
Flamm. class acc. to UL 94	V0	V0	V0
Resistance	Oils, benzene, gamma and UV radiation	Oils, benzene, gamma and UV radiation	Oils, benzene, gamma and UV radiation
Inscription			
Plotter	EMS	EMS	EMS
Plotter inlay	CCI-15	CCI-19	CCI-19
Marker pen	BS-1	BS-1	BS-1
Number of characters| rows, font size 16, plotter pen 0.25: horizontal	48 | 3	14 | 3	24 | 3
Number of characters| rows, font size 16, plotter pen 0.25: vertical	5 | 6	5 | 6	5 | 6
Application			
Cross-section, mm²	≥70	≥70	≥70
Outer diameter of insulation, mm	≥16	≥16	≥16

Accessories	Page	Qty.	Page	Qty.	Page	Qty.
Holder KH	KH 70 BK					
Cat. no.	**2654.0**	390 100				
Holder KH	KH 110 BK					
Cat. no.	**2655.0**	390 100				
KB cable ties	KB 140 BK		KB 140 BK		KB 140 BK	
Cat. no.	**2672.0**	390 1000	**2672.0**	390 1000	**2672.0**	390 1000

Holder KH

Wire and cable markers – Cable marker sleeves KBH-S

Cable marker sleeve KBH-S

KBH-S cable marker sleeves provide a safe, quick and simple solution for marking wires.
Perfect for use with wire cross-sections of 70 mm2 and larger. Quick attachment with **KH holders** and cable ties.
- Unlimited combination possibilities.
- Easy to read with high-contrast typeface.
- Torsion resistant and captive.
- Resistant to environmental influences.

Material: Soft PVC, with no cadmium or silicone.
Halogen-free markers (KBHZ-S) are available on request.

KBH-S4 Bag

KBH-S4 Roll

Type	Qty.
Type/colour	KBH-S4 blank YE
Cat. no.	**2691.0104** 100
Type/colour	KBH-S4 blank YE
Cat. no.	**2671.0104** 500
Colours available	8

Characteristics	
Dimensions	
Length, mm	4
Material	
Material	Soft PVC, cadmium-free and silicone-free
Temperature range	Dimensionally stable between -30 °C and +60 °C
Flamm. class acc. to UL 94	V0
Resistance	Oils, benzene, gamma and UV radiation
Inscription	
Printing process	Hot stamped
Marker pen	BS-1
Application	
Cross-section, mm²	≥70
Outer diameter of insulation, mm	≥16

Accessories	Qty.
Holder KH	KH 70 BK
Cat. no.	**2654.0** 100
Holder KH	KH 110 BK
Cat. no.	**2655.0** 100
KB cable ties	KB 140 BK
Cat. no.	**2672.0** 1000

KBH-S4 yellow Inscription	Cat. no. Bag à 100	KBH-S4 yellow Inscription	Cat. no. Bag à 100
0	**2690.0000**	+	**2690.0419**
1	**2690.0001**	-	**2690.0420**
2	**2690.0002**	/	**2690.0402**
3	**2690.0003**	.	**2690.0403**
4	**2690.0004**	:	**2690.0404**
5	**2690.0005**	=	**2690.0405**
6	**2690.0006**	⏚	**2690.0406**
7	**2690.0007**	⏚	**2690.0407**
8	**2690.0008**	~	**2690.0408**
9	**2690.0009**	+*[1]	**2690.0400**
		-*[2]	**2690.0401**
A	**2690.0200**	a	**2690.0300**
B	**2690.0201**	b	**2690.0301**
C	**2690.0202**	c	**2690.0302**
D	**2690.0203**	d	**2690.0303**
E	**2690.0204**	e	**2690.0304**
F	**2690.0205**	f	**2690.0305**
G	**2690.0206**	g	**2690.0306**
H	**2690.0207**	h	**2690.0307**
I	**2690.0208**	i	**2690.0308**
J	**2690.0209**	j	**2690.0309**
K	**2690.0210**	k	**2690.0310**
L	**2690.0211**	l	**2690.0311**
M	**2690.0212**	m	**2690.0312**
N	**2690.0213**	n	**2690.0313**
O	**2690.0214**	o	**2690.0314**
P	**2690.0215**	p	**2690.0315**
Q	**2690.0216**	q	**2690.0316**
R	**2690.0217**	r	**2690.0317**
S	**2690.0218**	s	**2690.0318**
T	**2690.0219**	t	**2690.0319**
U	**2690.0220**	u	**2690.0320**
V	**2690.0221**	v	**2690.0321**
W	**2690.0222**	w	**2690.0322**
X	**2690.0223**	x	**2690.0323**
Y	**2690.0224**	y	**2690.0324**
Z	**2690.0225**	z	**2690.0325**

KBH-S4 yellow Inscription	Cat. no. Roll à 500	KBH-S4 yellow Inscription	Cat. no. Roll à 500
0	**2666.0000**	+	**2666.0419**
1	**2666.0001**	-	**2666.0420**
2	**2666.0002**	/	**2666.0402**
3	**2666.0003**	.	**2666.0403**
4	**2666.0004**	:	**2666.0404**
5	**2666.0005**	=	**2666.0405**
6	**2666.0006**	⏚	**2666.0406**
7	**2666.0007**	⏚	**2666.0407**
8	**2666.0008**	~	**2666.0408**
9	**2666.0009**	+*[1]	**2666.0400**
		-*[2]	**2666.0401**
A	**2666.0200**	a	**2666.0300**
B	**2666.0201**	b	**2666.0301**
C	**2666.0202**	c	**2666.0302**
D	**2666.0203**	d	**2666.0303**
E	**2666.0204**	e	**2666.0304**
F	**2666.0205**	f	**2666.0305**
G	**2666.0206**	g	**2666.0306**
H	**2666.0207**	h	**2666.0307**
I	**2666.0208**	i	**2666.0308**
J	**2666.0209**	j	**2666.0309**
K	**2666.0210**	k	**2666.0310**
L	**2666.0211**	l	**2666.0311**
M	**2666.0212**	m	**2666.0312**
N	**2666.0213**	n	**2666.0313**
O	**2666.0214**	o	**2666.0314**
P	**2666.0215**	p	**2666.0315**
Q	**2666.0216**	q	**2666.0316**
R	**2666.0217**	r	**2666.0317**
S	**2666.0218**	s	**2666.0318**
T	**2666.0219**	t	**2666.0319**
U	**2666.0220**	u	**2666.0320**
V	**2666.0221**	v	**2666.0321**
W	**2666.0222**	w	**2666.0322**
X	**2666.0223**	x	**2666.0323**
Y	**2666.0224**	y	**2666.0324**
Z	**2666.0225**	z	**2666.0325**

KBH-S4 Colour of ferrule	Cat. no. Bag à 100	KBH-S4 Ferrule colour Inscription	Cat. no. Bag à 100
black	**2691.0100**	black/0	**2527.0000**
brown	**2691.0101**	brown/1	**2527.0001**
red	**2691.0102**	red/2	**2527.0002**
orange	**2691.0103**	orange/3	**2527.0003**
yellow	**2691.0104**	yellow/4	**2527.0004**
green	**2691.0105**	green/5	**2527.0005**
blue	**2691.0106**	blue/6	**2527.0006**
violet	**2691.0107**	magenta/7	**2527.0007**
grey	**2691.0108**	grey/8	**2527.0008**
white	**2691.0109**	white/9	**2527.0009**

KBH-S4 Colour of ferrule	Cat. no. Roll à 500	KBH-S4 Ferrule colour Inscription	Cat. no. Roll à 100
black	**2671.0100**		
brown	**2671.0101**		
red	**2671.0102**		
orange	**2671.0103**		
yellow	**2671.0104**		
green	**2671.0105**		
blue	**2671.0106**		
violet	**2671.0107**		
grey	**2671.0108**		
white	**2671.0109**		

Additional accessories

More accessories starting on page 264.

*[1]: red ferrules
*2: blue ferrules

Wire and cable markers – Stainless steel marking system MPS

Stainless steel markers MPS

The **MPS** marking system provides a high-quality method for marking cables, wires, pipes and components that is quick, safe and simple.

Single and multi-character marking – with high-quality embossing
Single-character marker: 0-9, A-Z, Ä; Ü; Ö, special characters and symbols

- Very good resistance in saline and damp environments
- Good corrosion resistance against acids
- First-class quality controlled

Material: Acid-resistant, stainless steel

MPS

MPS H

Type		Qty.
Type/colour	MPS blank	
Cat. no.	**2653.0229**	50
Type/colour	MPS Assortment box*1	
Cat. no.	**2686.0**	1
Type/colour	MPS assortment box*2	
Cat. no.	**2687.0**	1
Type/colour		
Cat. no.		
Type/colour		
Cat. no.		

Characteristics	
Dimensions	
Length x width, mm	5,5 x 10,9
Material	
Material	Acid-resistant stainless steel, in compliance with SIS 2347 | SIS 2348, corresponding to AISI 316TI | 316 L and DIN 17440
Temperature range	-80°C to +500°C
Resistance	Excellent resistance against heat, cold, corrosion, acids, chemical and fire
Inscription	
System	Embossing
Application	
Max. number of cable ties per holder	2
Max. cable tie width, mm	4.6

Accessories		Page	Qty.
Holder MPS H	MPS H 47		
Cat. no.	**3430.0**	393	50
Holder MPS H	MPS H 65		
Cat. no.	**3431.0**	393	50
Holder MPS H	MPS H 87		
Cat. no.	**3432.0**	393	50
Holder MPS H	MPSH 109		
Cat. no.	**3433.0**	393	50
Holder MPS H	MPS H 128		
Cat. no.	**3434.0**	393	50
Cable tie CTS	CTS 4,6/127		
Cat. no.	**3436.0**	393	100
Cable tie CTS	CTS 4,6/150		
Cat. no.	**3437.0**	393	100
Cable tie CTS	CTS 4,6/200		
Cat. no.	**3438.0**	393	100
Cable tie CTS	CTS 4,6/360		
Cat. no.	**3439.0**	393	100
Cable tie tool	MPS Tool M		
Cat. no.	**3826.0**	425	1

Additional accessories

More accessories starting on page 264.

MPS Inscription	Cat. no.	Qty.
0	**2653.0000**	50
1	**2653.0001**	50
2	**2653.0002**	50
3	**2653.0003**	50
4	**2653.0004**	50
5	**2653.0005**	50
6	**2653.0006**	50
7	**2653.0007**	50
8	**2653.0008**	50
9	**2653.0009**	50
A	**2653.0200**	50
B	**2653.0201**	50
C	**2653.0202**	50
D	**2653.0203**	50
E	**2653.0204**	50
F	**2653.0205**	50
G	**2653.0206**	50
H	**2653.0207**	50
I	**2653.0208**	50
J	**2653.0209**	50
K	**2653.0210**	50
L	**2653.0211**	50
M	**2653.0212**	50
N	**2653.0213**	50
O	**2653.0214**	50
P	**2653.0215**	50
Q	**2653.0216**	50
R	**2653.0217**	50
S	**2653.0218**	50
T	**2653.0219**	50
U	**2653.0220**	50
V	**2653.0221**	50
W	**2653.0222**	50
X	**2653.0223**	50
Y	**2653.0224**	50
Z	**2653.0225**	50
Ä	**2653.0226**	50
Ö	**2653.0227**	50
Ü	**2653.0228**	50
)	**2653.0401**	50
/	**2653.0402**	50
.	**2653.0403**	50
:	**2653.0404**	50
=	**2653.0405**	50
⏚	**2653.0406**	50
⏚	**2653.0407**	50
~	**2653.0408**	50
,	**2653.0409**	50
(	**2653.0410**	50
+	**2653.0419**	50
-	**2653.0420**	50

*1 Numbers and symbols 30 pcs. each: 0-9; blank; symbols
*2 Characters A through Z 30 pcs. per: A-Z; Ä; Ö; Ü; blank

Wire and cable markers – Stainless steel marking system MPS

Stainless steel markers MPS

The **MPS** marking system provides a high-quality method for marking cables, wires, pipes and components that is quick, safe and simple.
Customer-specific multi-character marking, single-row embossing with up to 30 characters, or double-row embossing with up to 43 characters per row.
- Very good resistance in saline and damp environments
- Good corrosion resistance against acids
- First-class quality controlled

The **MPS H** is a holder with raised profiles at both ends for fixing steel cable ties.
It is available in five different lengths.
The markers are simply stretched over the holder

The **CTS** stainless steel cable ties can be used outdoors under extremely harsh conditions.
Easy processing is possible with a pliers or the **MPS Tool M**.
Material: Acid-resistant stainless steel

MPS customer-specific embossing

Type		Qty.		Qty.		Qty.
Type/colour	MPS 1x1-8 So		MPS 1x9-13 So		MPS 1x14-19 So	
Cat. no.	**2658.008**	1	**2658.013**	1	**2658.019**	50
Type/colour	MPS 2x1-11 So		MPS 2x12-18 So		MPS 2x19-27 So	
Cat. no.	**2658.011**	1	**2658.018**	1	**2658.027**	50
Characteristics						
Length x width, mm	47 x 10.3		65 x 10.3		87 x 10.3	
Length MPS H 47|65|87|109|128 x width (mm)						
Length CTS 4,6/127|150|200|360 x width (mm)						
Material						
Material	Acid-resistant stainless steel, in compliance with		Acid-resistant stainless steel, in compliance with		Acid-resistant stainless steel, in compliance with	
	SIS 2347 | SIS 2348, corresponding to		SIS 2347 | SIS 2348, corresponding to		SIS 2347 | SIS 2348, corresponding to	
	AISI 316TI | 316 L and DIN 17440		AISI 316TI | 316 L and DIN 17440		AISI 316TI | 316 L and DIN 17440	
Temperature range	-80°C to +500°C		-80°C to +500°C		-80°C to +500°C	
Resistance	Excellent resistance against heat, cold, corrosion, acids, chemicals and fire		Excellent resistance against heat, cold, corrosion, acids, chemicals and fire		Excellent resistance against heat, cold, corrosion, acids, chemicals and fire	
Inscription						
System	Embossing		Embossing		Embossing	
No. of rows MPS 1 | MPS 2	1 | 2		1 | 2		1 | 2	
Max. no. of characters per row MPS 1| MPS 2	8 | 11		13 | 18		19 | 27	
Application						
Max. number of cable ties per holder						
Max cable tie width, mm						
Max. no of MPS markers per MPS H 47 holder |65|87|109|128	2		2		2	
Bundle Ø CTS 4.6/127|150|200|360 (mm)	4.6		4.6		4.6	
Minimum tensile strength, N/mm²						
Accessories		Page Qty.		Page Qty.		Page Qty.
Cable tie CTS	CTS 4,6/127		CTS 4,6/127		CTS 4,6/127	
Cat. no.	**3436.0**	393 100	**3436.0**	393 100	**3436.0**	393 100
Cable tie CTS	CTS 4,6/150		CTS 4,6/150		CTS 4,6/150	
Cat. no.	**3437.0**	393 100	**3437.0**	393 100	**3437.0**	393 100
Cable tie CTS	CTS 4,6/200		CTS 4,6/200		CTS 4,6/200	
Cat. no.	**3438.0**	393 100	**3438.0**	393 100	**3438.0**	393 100
Cable tie CTS	CTS 4,6/360		CTS 4,6/360		CTS 4,6/360	
Cat. no.	**3439.0**	393 100	**3439.0**	393 100	**3439.0**	393 100
Cable tie tool	MPS Tool M		MPS Tool M		MPS Tool M	
Cat. no.	**3826.0**	425 1	**3826.0**	425 1	**3826**	425 1

Additional accessories

More accessories starting on page 264.

MPS Customer-specific embossing

	Qty.
MPS 1x20-25 So	
2658.025	1
MPS 2x28-35 So	
2658.035	1

	Qty.
MPS 1x26-30 So	
2658.030	1
MPS 2x36-43 So	
2658.043	1

109 x 10.3

128 x 10.3

Acid-resistant stainless steel, in compliance with SIS 2347 | SIS 2348, corresponding to AISI 316TI | 316 L and DIN 17440

-80°C to +500°C

Excellent resistance against heat, cold, corrosion, acids, chemical and fire.

Embossing

1|2

25|35

30|43

2

4,6

	Page	Qty.
CTS 4,6/127 **3436.0**	393	100
CTS 4,6/150 **3437.0**	393	100
CTS 4,6/200 **3438.0**	393	100
CTS 4,6/360 **3439.0**	393	100
MPS Tool M **3826.0**	425	1

MPS H

	Qty.
MPS H 47	
3430.0	50
MPS H 65	
3431.0	50
MPS H 87	
3432.0	50
MPS H 109	
3433.0	50
MPS H 128	
3434.0	50

47|65|87|109|128 x 10.3

Acid-resistant stainless steel, in compliance with SIS 2347 | SIS 2348, corresponding to AISI 316TI | 316 L and DIN 17440

-80°C to +500°C

Excellent resistance against heat, cold, corrosion, acids, chemical and fire.

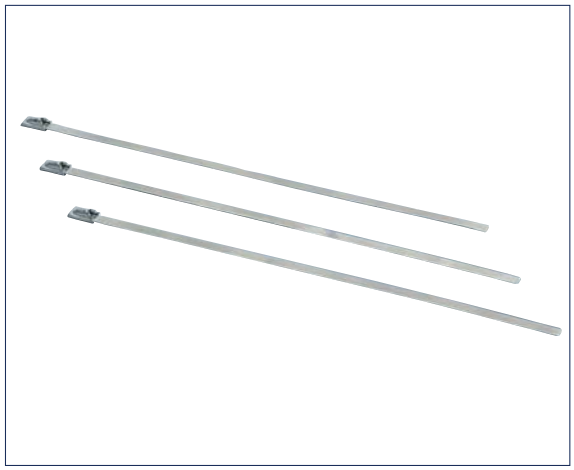
2

4,6

6|9|13|17|20

	Page	Qty.
CTS 4,6/127 **3436.0**	393	100
CTS 4,6/150 **3437.0**	393	100
CTS 4,6/200 **3438.0**	393	100
CTS 4,6/360 **3439.0**	393	100
MPS Tool M **3826.0**	425	1

CTS



	Qty.
CTS 4,6/127	
3436.0	50
CTS 4,6/150	
3437.0	50
CTS 4,6/200	
3438.0	50
CTS 4,6/360	
3439.0	50

127|150|200|360 x 4,6

Acid-resistant stainless steel, in compliance with SIS 2347 | SIS 2348, corresponding to AISI 316TI | 316 L and DIN 17440

-80°C to +500°C

Excellent resistance against heat, cold, corrosion, acids, chemical and fire.

25|44|50|102

45

Qty.

MARKING SYSTEMS

Cable and wire markers – Adhesive cable labels KKE

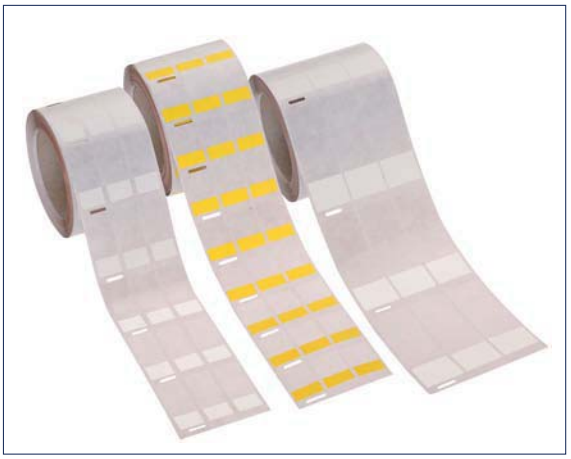
Adhesive cable labels KKE

The **KKE** cable markers allow you to mark cables and wire with an outer diameter of up to 32 mm in a safe, easy and quick manner.

- Quick and professional marking with the **TTP** thermal-transfer printer or **EMS** plotter.
- The **BS-1** marker pen provides uncomplicated and quick marking of blank labels

Format: DIN A4 or roll
Material: Polyester

KKE roll



Type	Qty.
Type, roll	**KKE...** 1
Type, sheet	**KKE...A4** 10
Colours available	(7) (8)

Characteristics

Dimensions	
Diameter of roll core	75 mm
Sheet	DIN A4
Material	
Material	Polyester
Temperature range	-40°C to +150°C
Min. temperature when attaching	+10°C
Resistance	Water, alcohol, benzene, oils
Min. shelf-life under normal conditions (21°C and 50% rel. humidity)	2 years
Inscription	
Plotter for KKE..A4	EMS
Plotter inlay	CCI-8
Printer for KKE.. Roll	TTP
Marker pen	BS-1

Type	Cat. no.	Size of label field L x W (mm)	Outer diameter (mm)	Roll of ...pcs.
KKB 34/18 WH	**3950.7**	16 x 13	4,5 - 6	3000
KKE 34/18 YE	**3950.8**	16 x 13	4,5 - 6	3000
KKE 35/25 WH	**3955.7**	25 x 14	4,5 - 6	4500
KKE 35/25 YE	**3955.8**	25 x 14	4,5 - 6	4500
KKE 55/23 WH	**3954.7**	21 x 16	6,5 - 11	2400
KKE 55/23 YE	**3954.8**	21 x 16	6,5 - 11	2400
KKE 76/25 WH	**3951.7**	23 x 19	6,5 - 16	1800
KKE 76/25 YE	**3951.8**	23 x 19	6,5 - 16	1800
KKE 93/36 WH	**3952.7**	34 x 25	8,5 - 21	1500
KKE 93/36 YE	**3952.8**	34 x 25	8,5 - 21	1500
KKE 140/25 WH	**3953.7**	24 x 25	12,5 - 32	1050
KKE 140/25 YE	**3953.8**	24 x 25	12,5 - 32	1050

Adhesive cable labels KKE

KKE DIN A4 sheet

Type	Qty.
Type, roll	**KKE...** 1
Type, sheet	**KKE...A4** 10
Colours available	.7 .8

Characteristics

Dimensions	
Diameter of roll core	75 mm
Sheet	DIN A4
Material	
Material	Polyester
Temperature range	-40°C to +150°C
Min. temperature when attaching	+10°C
Resistance	Water, alcohol, benzene, oils
Min. shelf-life under normal conditions (21°C and 50% rel. humidity)	2 years
Inscription	
Plotter for KKE..A4	EMS
Plotter inlay	CCI-8
Printer for KKE.. Roll	TTP
Marker pen	BS-1

Type	Cat. no.	Label field size L x W (mm)	Outer diameter (mm)	DIN A4 sheet at ...pieces
KKE 25/37 A4 WH	**3956.7**	8 x 37	3 - 5	55
KKE 25/37 A4 YE	**3956.8**	8 x 37	3 - 5	55
KKE 34/17,8 A4 WH	**3957.7**	13 x 17.8	5 - 7	88
KKE 34/17,8 A4 YE	**3957.8**	13 x 17.8	5 - 7	88
KKE 55/22,8 A4 WH	**3958.7**	13 x 22.8	7 - 12	40
KKE 55/22,8 A4 YE	**3958.8**	13 x 22.8	7 - 12	40
KKE 68/25,4 A4 WH	**3959.7**	17 x 25.4	8 - 14	28
KKE 68/25,4 A4 YE	**3959.8**	17 x 25.4	8 - 14	28
KKE 93/35.5 A4 WH	**3960.7**	25 x 35.5	10 - 22	15
KKE 93/35.5 A4 YE	**3960.8**	25 x 35.5	10 - 22	15
KKE 139,7/25,4 A4 WH	**3961.7**	25.4 x 25.4	16 -36	16
KKE 139,7/25,4 A4 YE	**3961.8**	25.4 x 25.4	16 -36	16

Additional accessories

More accessories starting on page 264.

Device and installation markers – Maxicard MC GS

Maxicard MC GS

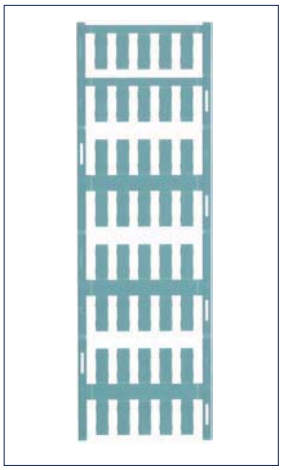
The **GS** Maxicard allows you to mark on the contactors, automatic switchgear, relays and circuit-breakers from leading manufacturers in a safe, quick and simple manner.

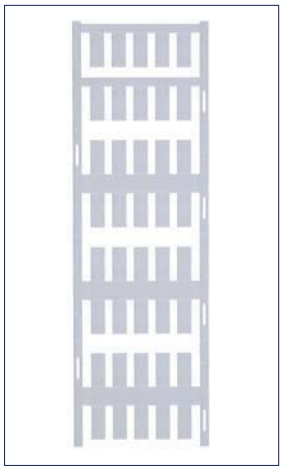
The markers are available for devices manufactured by the following companies: ABB, Siemens, Telemecanique, Moeller, GE, AEG, ifm-electronic, and Finder.

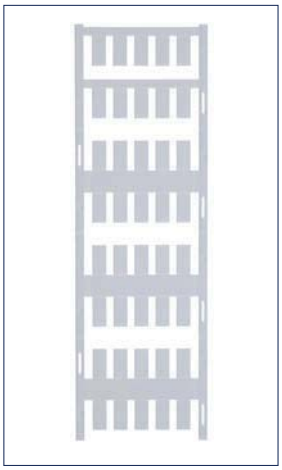
The self-adhesive types (**MC GS.. K**) can be used anywhere in the field or in the switchgear cabinet.

They are available blank or with custom printing. The blank Pocket-Maxicards can easily be printed on using the **EMS-2** plotter system.

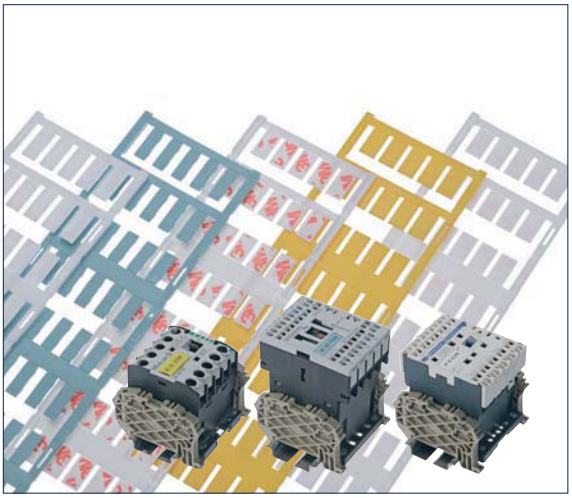
Material: Polyamide 6.6 UL 94-V2, halogen-free

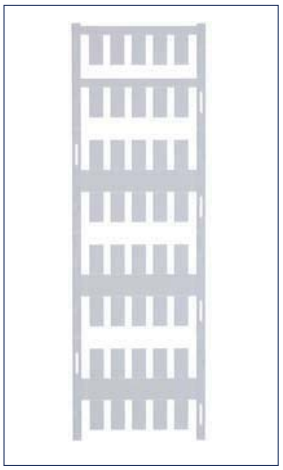
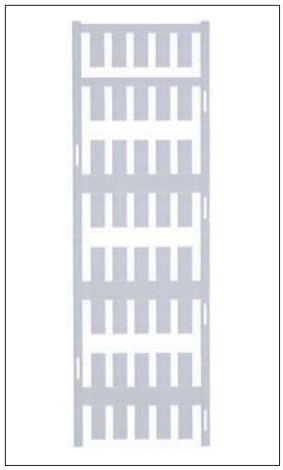
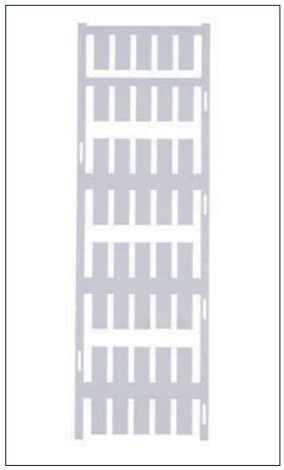
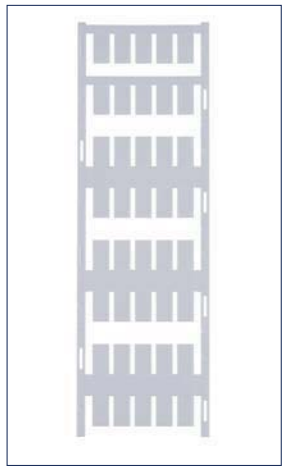
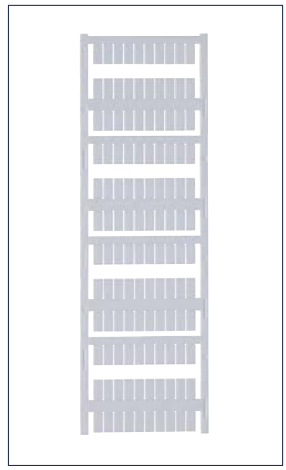






Type		MC GS 7/20 Qty.	MC GS 7/20 Qty.	MC GS 8/17 Qty.
Type/colour		MC GS 7/20 R WH		MC GS 8/17 R t WH
Cat. no.	Snap-on	**3329.7** 200		**3321.7** 200
Type/colour	Special print	MC GS 7/20 R So WH		MC GS 8/17 R t So WH
Cat. no.	Snap-on	**3335.7** 200		**3331.7** 200
Type/colour			MC GS 7/20 K WH	
Cat. no.	self-adhesive		**3381.7** 200	
Type/colour	Special print		MC GS 7/20 K So WH	
Cat. no.	self-adhesive		**9806.7** 200	
Colours available		.0 .7 .8	.7 .8	.7
Characteristics				
Dimensions				
Length x width, mm		20 x 7	20 x 7	17 x 8
Number of markers per row		5	5	5
Number of markers per card		40	40	40
Material				
Material		PA6.6, halogen-free	PA6.6, halogen-free	PA6.6, halogen-free
Temperature range		-40°C to +105°C	-40°C to +105°C	-40°C to +105°C
Flamm. class acc. to UL 94		V2	V2	V2
Inscription				
Plotter		EMS-2	EMS-2	EMS-2
Plotter inlay		CCI-10	CCI-10	CCI-10
Marker pen		BS-1	BS-1	BS-1
Number of characters | lines when using font size 14 and plotter pen 0.25: horizontal		14|4	14|4	14|5
Number of characters | lines when using font size 14 and plotter pen 0.25: vertical		5|5	5|5	7|5
Application				
Device manufacturer		Siemens/ifm-electronic	Universal self-adhesive (K)	Telemecanique / ifm-electronic
Additional variant information, device manufacturer				
		Siemens ASI slaves slimline S22.5/S45 ASI slaves counter module ASI slaves earth fault detection module protection, auxiliary protection, protective combination Auxiliary switch block auxiliary switch blocks 3RH1921 ENV interference suppression module semiconductor relay, semiconductor protection functional module power switch, electrical overload relay thermal overload relay soft starter, direct starter motor management and control devices timing relay, monitoring relay safety relay **ifm-electronic** Active AS-i module AC225..		**Siemens** Standard protection: GC 1610, 1611, 1620, 2502 GC 1622, 1630, 1640, 2504 GC 2510, 2511, 2520 GC 2522, 2530, 2540 GC 4002, 4004, 4011, 4020, 4022 GC 4030, 4040 GC 6302, 6304, 6311, 6320, 6322 GC 3630, 6340 GC 10020, 10040 Series protection: GY 1611, 1620, 1640 GY 2511, 2520, 2530, 2540 GY 4020. 4030, 4040 Motor outlet combination TeSys LD1 Motor feeder combination HL-protection LD4 Motor feeder combination / Rotation combination LD 5 **ifm-electronic** Active AS-i Module AC225..



MC GS 8/17	MC GS 8/19	MC GS 9/20	MC GS 9/17	MC GS 6x12
				
Qty.	Qty.	Qty.	Qty.	Qty.
MC GS 8/17 R WH	MC GS 8/19 R WH	MC GS 9/20 R WH		MC GS 6x12 R WH
3320.7 200	**3322.7** 200	**3324.7** 200		**3884.7** 600
MC GS 8/17 R So WH	MC GS 8/19 R So WH	MC GS 9/20 R So WH		MC GS 6x12 R So WH
3330.7 200	**3332.7** 200	**3334.7** 200		**3885.7** 600
			MC GS 9/17 K WH	MC GS 6x12 K WH
			3323.7 200	**3886.7** 600
			MC GS 9/17 K So WH	MC GS 6x12 K So WH
			3333.7 200	**3887.7** 600
.7	.7	.7	.7 .8	.7
17 x 8	19 x 8	20 x 9	17 x 9	6 x 12
5	5	5	5	10
40	40	40	40	120
PA6.6, halogen-free	PA6.6, halogen-free	PA6.6, halogen-free	PA6.6, halogen-free	PA6.6, halogen-free
-40°C to +105°C	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C
V2	V2	V2	V2	V2
EMS-2	EMS-2	EMS-2	EMS-2	EMS-2
CCI-10	CCI-10	CCI-10	CCI-10	CCI-10
BS-1	BS-1	BS-1	BS-1	BS-1
14|5	14|4	15|5	11|5	4|5
7|5	6|5	7|5	6|5	9|3
GE (AEG), SYS Pro M, ABB-Stotz /Lumberg	AEG	Siemens, Moeller	Universal self-adhesive (K)	CONTA-CLIP / Finder (only ..R type)
ABB Machinery S 221, S 223, S 281, S 284 Protective switch F271, F172 Switch, button, signal lamp: E 221, E 222, E 223, E 225, E 226, E 227 Power dimmer STD... Power supply NTLS Power meter RS 232... Installation protection ESB..., EN..., Circuit breaker LE1, LE3, LP1-3, LPUC 1/2, LP1NA, LP3NA Protective switch: F..., FIP..., FIK..., FI-LP..., FIS..., FI transmitter FISG Load switch IS... Overvoltage arrester SA 4... Logic modules Logic and expansion module: LM..., DO...,DX..., **Lumberg** Interbus remote bus terminal Profibus-DP... CANopen node CSL... DeviceNet node DSL... AS interface module Ethernet switch EEC... Actuator-sensor distributor ASB		**Moeller** Protection DILER, DILEM **Siemens** ASI slaves I/O module K45.../K60... Mounting plate K45/K60		**CONTA-CLIP** PCRCU 2... ZPRC 2... **Finder** 38, 48, 49, 58, 59, 94, 95 series **Woertz** Terminal blocks

Device and installation markers – Maxicard MC GST

Maxicard MC GST and holder GST-H

The **GST** Maxicard provides a clear, quick and simple solution for marking command and alert devices.

The markers are snapped onto the holders or attached using double sided tape.

The markers fit on the **GST-H** holder. The holder is available in four sizes and has a 22-mm diameter.

They are available blank or with custom printing.
The blank Pocket-Maxicards can easily be printed on using the **EMS** plotter system.

Material: polyamide 6.6 UL 94-V2, halogen-free

Type	MC GST 22/22 Qty.	MC GST 27/12.5 Qty.	MC GST 27/18 Qty.
Type/colour		MC GST 27/12,5 R WH	MC GST 27/18 R WH
Cat. no. Snap-on		**3336.7** 80	**3337.7** 80
Type/colour Special print		MC GST 27/12,5 R So WH	MC GST 27/18 R So WH
Cat. no. Snap-on		**3345.7** 80	**3346.7** 80
Type/colour	MC GST 22/22 K WH	MC GST 27/12,5 K WH	MC GST 27/18 K WH
Cat. no. self-adhesive	**3344.7** 80	**3341.7** 80	**3342.7** 80
Type/colour Special print	MC GSU 22/22 K So WH	MC GST 27/12,5 K So WH	MC GST 27/18 K So WH
Cat. no. self-adhesive	**3353.7** 80	**3350.7** 80	**3351.7** 80
Colours available	.0 .7	.0 .7	.0 .7

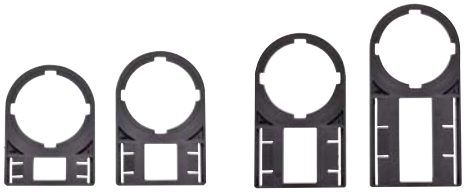
Characteristics			
Dimensions			
Length x width, mm	22 x 22	12.5 x 27	18 x 27
Number of markers per row	2	2	2
Number of markers per card	16	16	16
Material			
Material	PA6.6, halogen-free	PA6.6, halogen-free	PA6.6, halogen-free
Temperature range	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C
Flamm. class acc. to UL 94	V2	V2	V2
Inscription			
Plotter	EMS	EMS	EMS
Plotter inlay	CCI-10	CCI-10	CCI-10
Marker pen	BS-1	BS-1	BS-1
Number of characters | lines when using font size 14 and plotter pen 0.25: horizontal	17|5	20|5	20|5
Number of characters | lines when using font size 14 and plotter pen 0.25: vertical	17|5	9|5	13|5
Application			
Attach to MC GSt...R | MC GST...K	Universal self-adhesive (K)	Snap-on (R) | All-purpose self-adhesive (K)	Snap-on (R) | All-purpose self-adhesive (K)

		Manufacturer	Type	Manufacturer	Type
		ABB	MA6 -1060	ABB	BSH-B
		Siemens	3SB3922-0AY	Moeller	M22-ST-X
				Siemens	3SB3925-0AV

Accessories	Qty.	Qty.	Qty.
Holder GST-H		GST-H 27x12,5 BK	GST-H 27x18 BK
Cat. no.		**9803.4** 40	**9804.4** 40

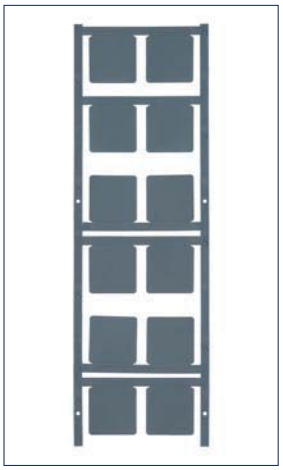
Technical data for the Maxicard and GST-H holder	
Material	Polyamide 6.6, halogen-free
Flammability class	In accordance with UL 94-V2
Temperature range	-40 to +105°C

Holder GST-H, for MC GST



Application MC GST...K

MC GST 27/27



Qty.
MC GST 27/27 R WH **3338.7** 80
MC GST 27/27 R So WH **3347.7** 80
MC GST 27/27 K WH **3343.7** 80
MC GST 27/27 K So WH **3352.7** 80

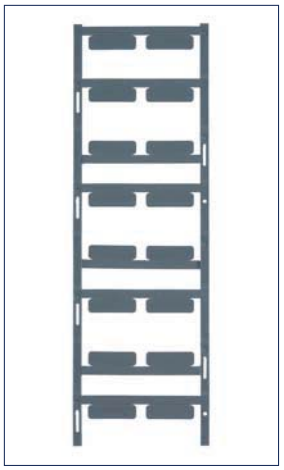
0 7

27 x 27
2
12
PA6.6, halogen-free
-40°C to +105°C
V2
EMS
CCI-10
BS-1
20|5
20|5
Snap-on (R) | All-purpose self-adhesive (K)

Manufacturer	Type
Grafoplast	SIT 0B08
Siemens	3SB1906-2AA
Siemens	3SB1906-2AW

Qty.
GST-H 27x27 BK **9805.4** 40

MC GST 27/8



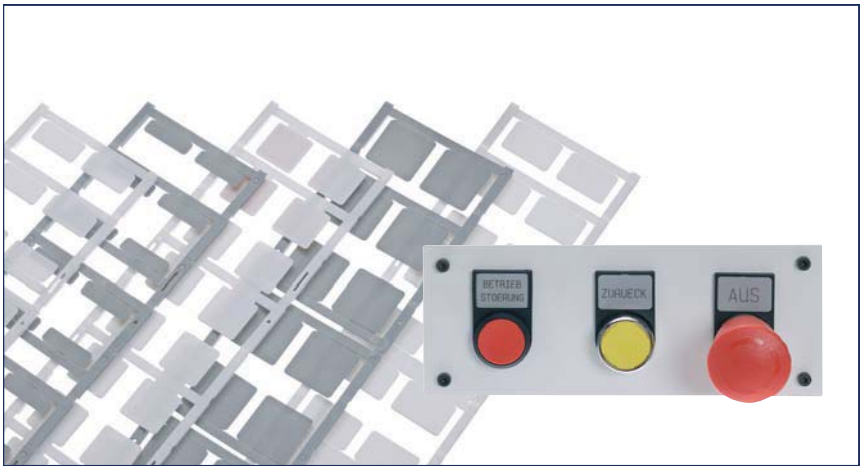
Qty.
MC GST 27/8 R WH **3340.7** 80
MC GST 27/8 R So WH **3348.7** 80
MC GST 27/8 K WH **3339.7** 80
MC GST 27/8 K So WH **3349.7** 80

0 7

8 x 27
2
16
PA6.6, halogen-free
-40°C to +105°C
V2
EMS
CCI-10
BS-1
20|4
6|5
Snap-on (R) | All-purpose self-adhesive (K)

Manufacturer	Type
ABB	BSH-A
Grafoplast	SIT 0B09
Murrplastik	BT 22,5
Murrplastik	BT Harmony ZB4

Qty.
GST-H 27x8 BK **9802.4** 40



Device and installation markers – Maxicard MC GSU

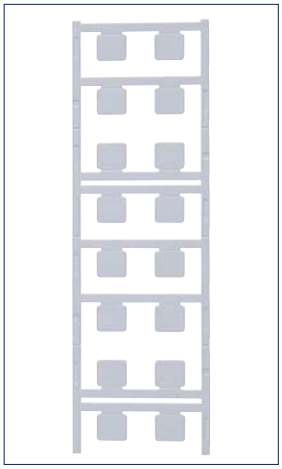
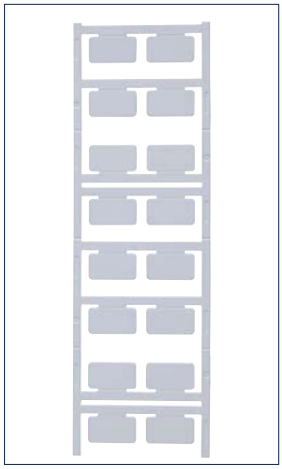
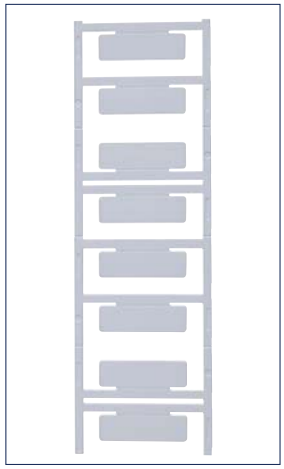
The **GSU Maxicard** provides a clear, quick and simple solution for marking devices, components and switchgear cabinets.

The marker is snapped in to the **GSU-H** holder. It is protected from environmental conditions by the **STR MC GSU** protective strips.

It is available in seven sizes, as either snap-on (R) or stick-on (K) variants.

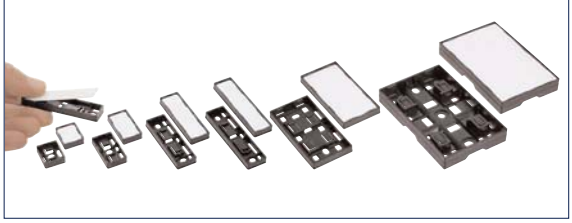
They are available blank or with custom printing.
The blank Pocket-Maxicards can easily be printed on using the **EMS** plotter system.

Material: Polyamide 6.6 UL 94-V2, halogen-free

	MC GSU 17x15	MC GSU 17x15	MC GSU 45x15
			
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	MC GSU 17 x 15 R WH	MC GSU 27 x 15 R WH	
Cat. no. Snap-on	**3382.7** 80	**3386.7** 80	
Type/colour Special print	MC GSU 17 x 15 R So WH	MC GSU 27 x 15 R So WH	
Cat. no. Snap-on	**3383.7** 80	**3388.7** 80	
Type/colour	MC GSU 17 x 15 K WH	MC GSU 27 x 15 K WH	MC GSU 45 x 15 K WH
Cat. no. self-adhesive	**3384.7** 80	**3387.7** 80	**3398.7** 40
Type/colour Special print	MC GSU 17 x 15 K So WH	MC GSU 27 x 15 K So WH	MC GSU 45 x 15 K So WH
Cat. no. self-adhesive	**3385.7** 80	**3389.7** 80	**3399.7** 40
Colours available	.7 .8	.7 .8	.7 .8
Characteristics			
Dimensions			
Length x width, mm	17 x 15	27 x 15	45 x 15
Number of markers per row	2	2	1
Number of markers per card	16	16	8
Material			
Material	PA6.6, halogen-free	PA6.6, halogen-free	PA6.6, halogen-free
Temperature range	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C
Flamm. class acc. to UL 94	V2	V2	V2
Inscription			
Plotter	EMS	EMS	EMS
Plotter inlay	CCI-10	CCI-10	CCI-10
Marker pen	BS-1	BS-1	BS-1
Number of characters | lines when using font size 14 and plotter pen 0.25: horizontal	12|5	20|5	34|5
Number of characters | lines when using font size 14 and plotter pen 0.25: vertical	10|5	10|5	10|5
Application			
Attach to MC GSU...R |Attach to MC GSU...K	Snap-on (R) | All-purpose self-adhesive (K)	**Snap-on (R) | All-purpose self-adhesive (K)**	- | Universal self-adhesive (K)
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Holder GSU-H	GSU-H 17x15 BK	GSU-H 17x15 BK	
Cat. no.	**3827.4** 400 80	**3828.4** 400 80	
Protective strips STR	STR MC GSU 17x15 R	STR MC GSU 27x15 R	
Cat. no.	**3860.0** 400 80	**3861.0** 400 80	
Cable ties KB	KB 140 BK	KB 140 BK	
Cat. no.	**2672.0** 390 1000	**2672.0** 390 1000	

Technical data for the Maxicard and GSU-H holder | Protective strips STR	
Material	Polyamide 6.6, halogen-free|Hard PVC (STR)
Flammability class	In accordance with UL 94-V2 | B1 (STR)
Temperature range	-40 to +105°C | -30 to +60°C (STR)

Holder GSU-H, for MC GSU

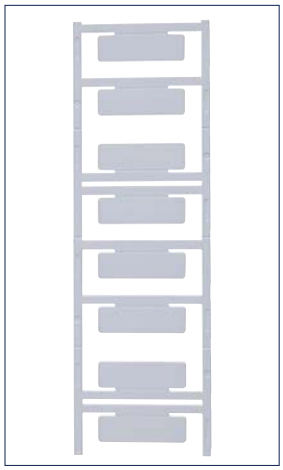


Application Protective strips STR

Additional accessories

More accessories starting on page 264.

MC GSU 49x15



Qty.
MC GSU 49 x 15 R WH **3390.7** 40
MC GSU 49 x 15 R So WH **3392.7** 40
MC GSU 49 x 15 K WH **3391.7** 40
MC GSU 49 x 15 K So WH **3393.7** 40

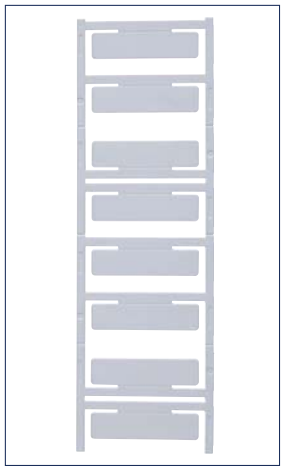
.7 .8

49 x 15
1
8
PA6.6, halogen-free
-40°C to +105°C
V2
EMS
CCI-10
BS-1
38|5
10|5

Snap-on (R) | All-purpose self-adhesive (K)

	Page	Qty.
GSU-H 49x15 BK **3829.4**	401	40
STR MC GSU 49x15 R **3862.0**	401	40
KB 140 BK **2672.0**	390	1000

MC GSU 60x15



Qty.
MC GSU 60 x 15 R WH **3394.7** 40
MC GSU 60 x 15 R So WH **3396.7** 40
MC GSU 60 x 15 K WH **3395.7** 40
MC GSU 60 x 15 K So WH **3397.7** 40

.7 .8

60 x 15
1
8
PA6.6, halogen-free
-40°C to +105°C
V2
EMS
CCI-10
BS-1
45|5
10|5

Snap-on (R) | All-purpose self-adhesive (K)

	Page	Qty.
GSU-H 60x15 BK **3830.4**	401	40
STR MC GSU 60x15 R **3863.0**	401	40
KB 140 BK **2672.0**	390	1000

MC GSU 60x30

Qty.
MC GSU 60 x 30 R WH **3852.7** 30
MC GSU 60 x 30 R So WH **3854.7** 30
MC GSU 60 x 30 K WH **3853.7** 30
MC GSU 60 x 30 K So WH **3855.7** 30

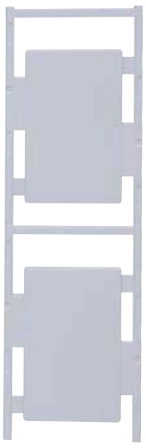
.7 .8

60 x 30
1
6
PA6.6, halogen-free
-40°C to +105°C
V2
EMS
CCI-10
BS-1
45|5
20|5

Snap-on (R) | All-purpose self-adhesive (K)

	Page	Qty.
GSU-H 60x30 BK **3850.4**	401	30
STR MC GSU 60x30 R **3864.0**	401	30
KB 140 BK **2672.0**	390	1000

MC GSU 85.4x54



Qty.
MC GSU 85,4 x 54 R WH **3856.7** 10
MC GSU 85,4x54 R So WH **3858.7** 10
MC GSU 85,4 x 54 K WH **3857.7** 10
MC GSU 85,4x54 K So WH **3859.7** 10

.7 .8

85.4 x 54
1
2
PA6.6, halogen-free
-40°C to +105°C
V2
EMS
CCI-10
BS-1
65|5
42|5

Snap-on (R) | All-purpose self-adhesive (K)

	Page	Qty.
GSU-H 85,4x54 BK **3851.4**	401	10
STR MC GSU 85,4x54 R **3865.0**	401	10
KB 140 BK **2672.0**	390	1000

Application MC GSU...K

Device and installation markers – Maxicard MC GSU

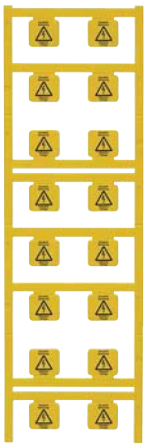
Maxicard MC GSU and holder

Colour: yellow, printed in two languages: Vorsicht Spannung – Attention Voltage

The marker is snapped in to the **GSU-H** holder. It is protected from environmental conditions by the **STR MC GSU** protective strips.

It is available in seven sizes, as either snap-on (R) or stick-on (K) variants.

Material: polyamide 6.6 UL 94-V2, halogen-free

	MC GSU 17x15	MC GSU 17x15	MC GSU 45x15
			
Type	**Qty.**	**Qty.**	**Qty.**
Type/colour	MC GSU 17 x 15 R/B YE	MC GSU 27 x 15 R/B YE	
Cat. no. Snap-on	**3872.8** 80	**3874.8** 80	
Type/colour			
Cat. no.			
Type/colour	MC GSU 17 x 15 K/B YE	MC GSU 27 x 15 K/B YE	MC GSU 45 x 15 K/B YE
Cat. no. self-adhesive	**3873.8** 80	**3875.8** 80	**3888.8** 40
Type/colour			
Cat. no.			
Colours available	.8	.8	.8
Characteristics			
Dimensions			
Length x width, mm	17 x 15	27 x 15	45 x 15
Number of markers per row	2	2	1
Number of markers per card	16	16	8
Material			
Material	PA6.6, halogen-free	PA6.6, halogen-free	PA6.6, halogen-free
Temperature range	-40°C to +105°C	-40°C to +105°C	-40°C to +105°C
Flamm. class acc. to UL 94	V2	V2	V2
Inscription			
Plotter	Thermal transfer	Thermal transfer	Thermal transfer
Application			
Attach to MC GSU...R | Attach to MC GSU...K	Snap-on (R) | All-purpose self-adhesive (K)	Snap-on (R) | All-purpose self-adhesive (K)	- | Universal self-adhesive (K)

Accessories	Page	Qty.	Page	Qty.	Page	Qty.
Holder GSU-H, for MC GSU...R	GSU-H 17 x 15 BK		GSU-H 27 x 15 BK		-	
Cat. no.	**3827.4** 400	1000	**3828.4** 400	1000		
Protective strips STR	STR MC GSU 17 x 15 R		STR MC GSU 27 x 15 R		-	
Cat. no.	**3860.0** 400	80	**3861.0** 400	80		
Cable ties KB						
Cat. no.						

Technical data for the Maxicard and GSU-H holder | Protective strips STR

Material	Polyamide 6.6, halogen-free | Hart PVC (STR)
Flammability class	In accordance with UL 94-V2 | B1 (STR)
Temperature range	-40 to +105°C | -30 to +60°C (STR)

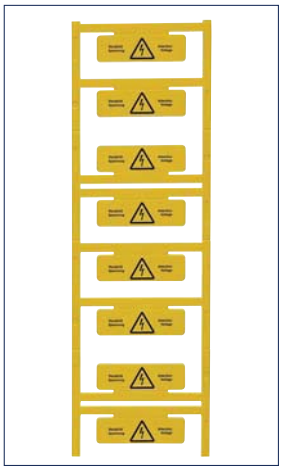
Holder GSU-H, for MC GSU

Application Protective strips STR

Additional accessories

More accessories starting on page 264.

MC GSU 49x15



Qty.

MC GSU 49 x 15 R/B YE
3876.8 40

MC GSU 49 x 15 K/B YE
3877.8 40

.8

49 x 15
1
8

PA6.6, halogen-free
-40°C to +105°C
V2

Thermal transfer

Snap-on (R) | All-purpose self-adhesive (K)

	Page	Qty.
GSU-H 49 x 15 BK **3829.4**	401	1000
STR MC GSU 49 x 15 R **3862.0**	401	40

MC GSU 60x15

Qty.

MC GSU 60 x 15 R/B YE
3878.8 40

MC GSU 60 x 15 K/B YE
3879.8 40

.8

60 x 15
1
8

PA6.6, halogen-free
-40°C to +105°C
V2

Thermal transfer

Snap-on (R) | All-purpose self-adhesive (K)

	Page	Qty.
GSU-H 60 x 15 BK **3830.4**	401	1000
STR MC GSU 60 x 15 R **3863.0**	401	40

MC GSU 60x30

Qty.

MC GSU 60 x 30 R/B YE
3880.8 30

MC GSU 60 x 30 K/B YE
3881.8 30

.8

60 x 30
1
6

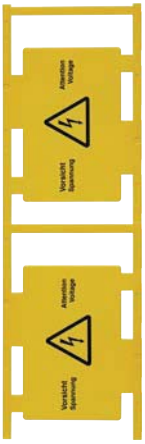
PA6.6, halogen-free
-40°C to +105°C
V2

Thermal transfer

Snap-on (R) | All-purpose self-adhesive (K)

	Page	Qty.
GSU-H 60 x 30 BK **3850.4**	401	1000
STR MC GSU 60 x 30 R **3864.0**	401	30

MC GSU 85,4x54



Qty.

MC GSU 85.4 x 54 R/B YE
3882.8 10

MC GSU 85,4 x 54 K/B YE
3883.8 10

.8

85,4 x 54
1
2

PA6.6, halogen-free
-40°C to +105°C
V2

Thermal transfer

Snap-on (R) | All-purpose self-adhesive (K)

	Page	Qty.
GSU-H 85,4 x 54 BK **3851.4**	401	1000
STR MC GSU 85,4 x 54 R **3865.0**	401	10

Application MC GSU...K

Device and facility markers – GKE adhesive device labels

Adhesive device labels GKE

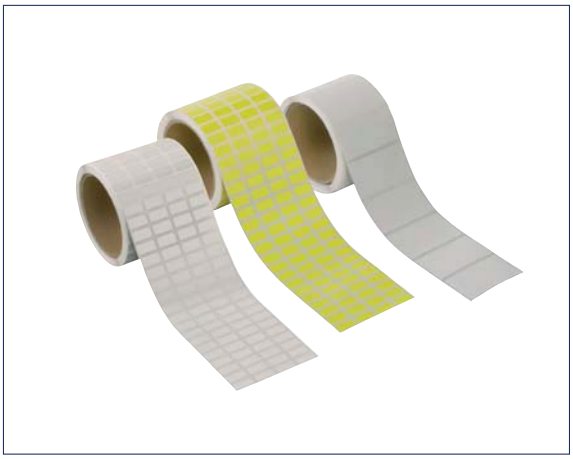
GKE adhesive device labels bring clarity to the switchgear cabinet. With four different sizes and three colours, the **GKE** series provides the right marking solution for any position in the switchgear cabinet.

Quick and professional marking with the **TTP** thermal-transfer printer or **EMS** plotter.

The **BS-1** marker pen provides uncomplicated and quick marking of blank labels

Format: DIN A4 or roll
Material polyester

GKE, roll



Type	Qty.
Type roll	GKE...
Cat. no.	1
Type sheet	GKE...A4
Cat. no.	10
Colours available	7 8

Characteristics

Dimensions	
Diameter of roll core	75 mm
Sheet	DIN A4

Material	
Material	Polyester
Temperature range	-40°C to +105°C
Min. temperature when attaching	+15°C
Resistance	Water, alcohol, benzene, oils
Min. 2 year storage under normal conditions (21°C and 50 % relative humidity)	2 years

Inscription	
Plotter for GKE..A4	EMS
Plotter inlay	CCI-8
Printer for GKE...roll	TTP
Marker pen	BS-1

Type	Cat. no.	Tag size LxW (mm)	Roll at... pieces
GKE 10/7 YE	**3914.8**	10x70	10000
GKE 15/6 YE	**3900.8**	15x6	10000
GKE 15/6 SI	**3900.0**	15x6	10000
GKE 15/6 WH	**3900.7**	15x6	10000
GKE 18/6 YE	**3901.8**	18x6	10000
GKE 18/6 SI	**3901.0**	18x6	10000
GKE 18/6 WH	**3901.7**	18x6	10000
GKE 18/9 YE	**3902.8**	18x9	10000
GKE 18/9 SI	**3902.0**	18x9	10000
GKE 18/9 WH	**3902.7**	18x9	10000
GKE 20/8 YE	**3903.8**	20x8	10000
GKE 20/8 SI	**3903.0**	20x8	10000
GKE 20/8 WH	**3903.7**	20x8	10000
GKE 21.5/21.5 SI	**3915.0**	21.5x21.5	6000
GKE 25/12 YE	**3904.8**	25x12	10000
GKE 25/12 SI	**3904.0**	25x12	10000
GKE 25/12 WH	**3904.7**	25x12	10000
GKE 26/10 YE	**3905.8**	26x10	10000
GKE 26/10 SI	**3905.0**	26x10	10000
GKE 26/10 WH	**3905.7**	26x10	10000
GKE 26,5/17,5 SI	**3906.0**	26.5x17.5	10000
GKE 27/27 SI	**3916.0**	27x27	9000
GKE 30/6 WH	**3917.7**	30x6	10000
GKE 30/20 YE	**3907.8**	30x20	6000
GKE 30/20 SI	**3907.0**	30x20	6000
GKE 30/20 WH	**3907.7**	30x20	6000
GKE 32/9 YE	**3908.8**	32x9	10000
GKE 32/9 SI	**3908.0**	32x9	10000
GKE 32/9 WH	**3908.7**	32x9	10000
GKE 38/19 YE	**3909.8**	38x19	2000
GKE 38/19 SI	**3909.0**	38x19	2000
GKE 38/19 WH	**3909.7**	38x19	2000
GKE 45/10 WH	**88607.0**	45x10	10000
GKE 45/23 YE	**3910.8**	45x23	2000
GKE 45/23 SI	**3910.0**	45x23	2000
GKE 45/23 WH	**3910.7**	45x23	2000
GKE 65/35 YE	**3911.8**	65x35	1000
GKE 65/35 SI	**3911.0**	65x35	1000
GKE 65/35 WH	**3911.7**	65x35	1000
GKE 101/48 SI	**3912.0**	101x48	500
GKE 101/74 SI	**3913.0**	101x74	500

Additional accessories

More accessories starting on page 264.

GKE DIN A4 sheet

Cat. no.	Type	Tag size LxW (mm)	DIN A4 sheet with ... pcs
3920.8	GKE 15/4,6 A4 YE	15x4.6	627
3920.7	GKE 15/ 4,6 A4 WH	15x4.6	627
3921.8	GKE15/6 A4 YE	15x6	484
3921.7	GKE 15/ 6 A4 WH	15x6	484
88517.0	GKE 17/9 A4 YE	17x9	290
88517.7	GKE 17/ 9 A4 WH	17x9	290
3992.8	GKE 20/8 A4 YE	20x8	264
3922.7	GKE 20/ 8 A4 WH	20x8	264
3923.8	GKE 25,4/12,7 A4 YE	25.4x12.7	147
3923.7	GKE 25,4/ 12,7 A4 WH	25.4x12.7	147
3924.8	GKE 26/10 A4 YE	26x10	156
3924.7	GKE 26/ 10 A4 WH	26x10	156
3925.8	GKE 30/20 A4 YE	30x20	78
3925.7	GKE 30/20 A4 WH	30x20	78
3926.8	GKE 56/22 A4 YE	56x22	36
3926.7	GKE 56/ 22 A4 WH	56x22	36
3927.8	GKE 60/36 A4 YE	60x36	21
3927.7	GKE 60/ 36 A4 WH	60x36	21
3928.8	GKE 105/148 A4 YE	105x148	4
3928.7	GKE 105/148 A4 WH	105x148	4
3929.8	GKE 210/148 A4 YE	210x148	2
3929.7	GKE 210/ 148 A4 WH	210x148	2

Device and facility markers – Plastic engraving cards GMP

Plastic engraving material GMP

Markers for engraving and identification on switchgear cabinets, machines and facilities.

This high-quality marking option is a good solution for any application.

GMP markers can be engraved on with the **EMS Engraving Unit** or they can be used with plotter pens.
Precise alignment of the 300 x 200 mm cards on the plotter base plate by means of the adhesive inlay **CCI-8**.
Pre-milled markers in various sizes or 300 x 200-mm blank cards are available.
Markers come with a silver base colour and black fill colour or alternatively a white base colour and black fill colour.

Material: Acrylate polymer

GMP

Type	Qty.
Type	GMP...
Cat. no.	2
Colours available	Base colour: ○ ○ ● Fill colour: ● ○

Characteristics

Dimensions	
Card size, mm	300 x 200
R = corners with marker radius	

Material	
Material	Acrylate polymer
Temperature range	-20°C to +80°C
Resistance	Acids, chemicals and UV radiation

Inscription	
Printing process	EMS or EMS Engraving Unit
Plotter inlay	CCI-8
Fill colour	BK

Application	
Attachment	self-adhesive

Cat. no.	Type	Tag size LxW (mm)	Card at... pieces
1660.0	GMP 17/9 R WH|BK	17x9	255
1661.0	GMP 17/9 R SI|BK	17x9	255
1662.0	GMP 18/9 R WH|BK	18x9	238
1663.0	GMP 19/9 R SI|BK	18x9	238
1664.0	GMP 22/22 R WH|BK	22x22	84
1665.0	GMP 22/22 R SI|BK	22x22	84
1666.0	GMP 25/60 R WH|BK	25x60	30
1667.0	GMP 19/45 R SI|BK	19x45	56
1668.0	GMP 27/12,5 R WH|BK	27x12.5	120
1669.0	GMP 27/12,5 R SI|BK	27x12.5	120
1670.0	GMP 27/18 R WH|BK	27x18	90
1671.0	GMP 27/18 R SI|BK	27x18	90
1672.0	GMP 27/27 R WH|BK	27x27	60
1673.0	GMP 27/27 R SI|BK	27x27	60
1674.0	GMP 30/15 SI|BK	30x15	108
1675.0	GMP 70/35 R SI|BK	70x35	20
1676.0	GMP 200/300 WH|BK	200x300	1
1677.0	GMP 200/300 SI|BK	200x300	1
1679.0	GMP 45/14 R SI|BK	49x15	72
1690.0	GMP 27/18 R RD|WH	27x18	90
1691.0	GMP 50/20 R RD|WH	50x20	45
1692.0	GMP 70/35 R RD|WH	70x35	20
1693.0	GMP 95/45 R RD|WH	95x45	12
1786.0	GMP 25/60 R SI|BK	25x60	30
1787.0	GMP 40/15 WH|BK	40x15	84
1788.0	GMP 60/20 WH|BK	60x20	42
1789.0	GMP 70/35 WH|BK	70x35	20
1791.0	GMP 8/18 WH|BK	8x18	374

Additional accessories

More accessories starting on page 264.

Device and facility markers – Aluminium engraving cards GMA

Aluminium engraving material GMA

Markers for engraving and identification on switchgear cabinets, machines and facilities.

This high-quality marking option is a good solution for any application.

GMA markers can be engraved with the **EMS Engraving Unit**.
Precise alignment of the 300 x 200 mm cards on the plotter base plate by means of the adhesive inlay **CCI-8**.

Available in three different sizes.
Two holes per tag for mounting with screws or rivets.

Material: anodized aluminium

GMA

Type	Qty.
Type	GMA..
Cat. no.	2
Colours available	anodized silver

Characteristics

Dimensions	
Card size, mm	300 x 200
Attachment holes, mm	2.2

Material	
Material	Anodized aluminium
Temperature range	-40°C to +800°C
Resistance	Heat, cold, corrosion, acids, chemicals, fireproof

Inscription	
Printing process	EMS + EMS Engraving Unit
Plotter inlay	CCI-8
Fill colour	silver

Application	
Attachment	2 x screw or rivet
Screw	M2

Type	Cat. no.	Tag size LxW (mm)at...	Card pieces
GMA 30/15 R 2x2,2 SI/anodized SI	**1680.0**	30x15	130
GMA 55/20 R 2x2,5 SI/anodized SI	**1681.0**	55x20	50
GMA 40/15 R 2x2,5 SI/anodized SI	**1682.0**	40x15	91

The printers and plotters are described on page 408.

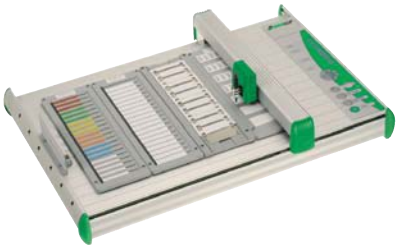
Printing systems and software – Plotter systems EMS

Plotter system EMS-2

A system that fulfils a wide variety of marking and labelling requirements! The **EMS** Easy Marking System series features excellent versatility and ease of use.

- Generous loading capacity: up to 800 markers for the **EMS-2 DIN A3** with 4 inlays; up to 400 markers for the **EMS-2 DIN A4** with 2 inlays.
- Short loading times for various materials, thanks to fast and straight-forward exchange of inlays and automatic inlay recognition
- The accompanying labelling software, **CONTA-Sign**, is available in ten languages (German, English, French, Spanish, Hungarian, Italian, Dutch, Polish, Russian, Swedish)
- Free software updates can be downloaded from our web page
- High-quality labelling is ensured by the combination of our **PP** and **PPE** pens and the double-sided plotter arm design.
- Just one inlay for all **CONTA-CLIP** Maxicards
- Automatic calibration eliminates the need for manual adjustments

EMS-2



Type		Qty.
Type	**EMS-2 Starter Kit DIN A3** 1 x EMS-2 Easy Marking System DIN A3 (**1610.0**) 1 x plotter inlay CCI-10 (**1606.0**) 1x disposable plotter pen PPE 0.35 (**1651.0**) Plotter (DIN A3), power pack, connecting cable (parallel cable and USB cable for connecting the plotter to a PC), software: CONTA-Sign CS in ten languages (German, English, French, Spanish, Hungarian, Italian, Dutch, Polish, Russian, Swedish). Runs on Windows: 2000, XP, Vista, 7	1
Cat. no.	**1612.0**	

Technical data for DIN A3 plotter	
Printer type	Flat bed plotter
Drive	Two-phase step motor
Intended use	Printing markers of various materials and sizes
Max. marker height	10.5 mm, custom solutions up to 15 mm
Max. plotting area	DIN A3, 440 x 305
Command language	Based on HP-GL
Max. plotting speed	40 cm /sec.
Max. printing speed	80 mm /sec.
Dimensions (WxHxD)	660 x 125 x 440
Weight	Approx. 8 kg
Supply voltage	100-240 V AC 50-60 Hz
Interfaces	Centronix / USB Level 1.1
Pen station	Max. 4 plotter pens
Inlays	Max. 4 pieces
Ambient temperature	10°C...35°C

Type		Qty.
Type	EMS-2 Starter Kit DIN A4 1 x EMS-2 Easy Marking System DIN A4 (**1631.0**) 1 x plotter inlay CCI-10 (**1606.0**) 1x disposable plotter pen PPE 0.35 (**1651.0**) Plotter (DIN A3), power pack, connecting cable (parallel cable and USB cable for connecting the plotter to a PC), software: CONTA-Sign CS in ten languages (German, English, French, Spanish, Hungarian, Italian, Dutch, Polish, Russian, Swedish). Runs on Windows: 2000, XP, Vista, 7	1
Cat. no.	**9800.0**	

Printer type	Flat bed plotter
Drive	Two-phase step motor
Intended use	Printing markers of various materials and sizes
Max. marker height	10.5 mm, custom solutions up to 15 mm
Max. plotting area	DIN A4, 220 x 305
Command language	Based on HP-GL
Max. plotting speed	40 cm /sec.
Max. printing speed	80 mm /sec.
Dimensions (WxHxD)	450 x 125 x 440
Weight	Approx. 6 kg
Supply voltage	100-240 V AC 50-60 Hz
Interfaces	Centronix / USB Level 1.1
Pen station	Max. 4 plotter pens
Inlays	Max. 2 pieces
Ambient temperature	10°C...35°C

EMS-eco Marking-System Plotter

A system that fulfils a wide variety of marking and labelling requirements! The entry-level model in our **EMS** Easy Marking System series stands out for the impressive versatility and user-friendliness fitted into its small size.

- Generous loading capacity (up to 400 markers with 2 inlays)
- Short loading times for various materials, thanks to fast and straightforward exchange of inlays and automatic inlay recognition
- The accompanying labelling software, **CONTA-Sign**, is available in ten languages (German, English, French, Spanish, Hungarian, Italian, Dutch, Polish, Russian, Swedish)
- Free software updates can be downloaded from our web page
- High-quality labelling is ensured by the combination of our plotter pens and the double-sided plotter arm design.
- Just one inlay for all **CONTA-CLIP** Maxicards
- Automatic calibration eliminates the need for manual adjustments

EMS-eco

Type		Qty.
Type	**EMS-eco Starter Kit DIN A4** **1 x EMS-eco Easy Marking System DIN A4 (1611.0)** **1 x plotter inlay CCI-10 (1606.0)** **1 x disposable plotter pen PPE 0.35 (1651.0)** Plotter (DINA4), power pack, connecting cable (USB cable for connecting the plotter to a PC), software: CONTA-Sign CS in ten languages (German, English, French, Spanish, Hungarian, Italian, Dutch, Polish, Russian, Swedish), 2000, XP, Vista, 7	1
Cat. no.	**1613.0**	

Technical data	
Printer type	Flat-bed plotter
Drive	Two-phase step motor
Intended use	Printing markers of various materials and sizes
Max. marker height	10.5 mm, custom solutions up to 15 mm
Max. plotting area	DIN A4, 220 x 305
Command language	Based on HP-GL
Max. plotting speed	40 cm /sec.
Max. printing speed	80 mm /sec.
Dimensions (WxHxD)	440 x 125 x 440
Weight	approx. 6 kg
Supply voltage	100-240V AC 50-60 Hz
Interfaces	USB Level 1.1
Pen station	-
Inlays	Max. 2 pieces
Ambient temperature	10°C...35°C

EMS accessories (DIN A3, DIN A4, eco)			
Cat. no.	**Type**	**Short description**	**Qty.**
1630.0	Pressure ball	The pen is re-activated by means of negative pressure following a refill or a longer period of non-use.	1
1595.0	TP (5x1 ml)	Ink cartridge for the PP plotter pen (the etching ink is quick-drying, smudge-proof, non-fading as well as resistant to spirits and benzene when used with suitable plastic materials). The use of cartridges eliminates the need to re-fill the ink.	1
1614.0	TPP (5x1 ml)	Ink Cartridge Paper for PPP (Plotter Pen Paper) for printing on paper	1
1597.0	CC-1	Cleaning container (reusable cleaning container for PP)	1
1598.0	PC-1	Pen cleaner (for cleaning two PP plotter pens). Two new clip-seal caps are included.	1
1648.0	Protective dust cover EMS-2 DIN A3	For EMS-2 A3	1
1687.0	Protective dust cover EMS-2 DIN A4	For EMS-2 A4 and EMS eco	1
1658.0	Visual calibration tool	Visual calibration aid for the EMS-2 (DIN A3 and DIN A4)	1
1647.0	Service Set EMS-2	Four exchangeable sealing inserts (for pen station), installation key and ten exchangeable tags	1
Engraving unit for EMS plotter (DINA3, DIN A4, eco)			
1621.0	EMS engraving unit	Engraving module for EMS-2 plotter including: spindle, controller, vacuum cleaner and 0.4-mm graver. This addition extends the EMS plotter so it can be used as an affordable engraving tool for aluminium or plastic.	1
Engraving unit accessories			
1623.0	Graver 0.2	Graver set for plastic, 0.2 mm	1
1624.0	Graver 0.3	Graver set for plastic, 0.3 mm	1
1625.0	Graver 0.4	Graver set for plastic, 0.4 mm	1
1626.0	Graver 0.5	Graver set for plastic, 0.5 mm	1
1627.0	Graver 0.7	Graver set for plastic, 0.7 mm	1
1628.0	Graver 1.0	Graver set for plastic, 1.0 mm	1
1629.0	Graver set for plastic	Graver set for plastic (0.2; 0.3; 0.4; 0.5; 0.7; 1.0 mm) incl. packaging	1
1635.0	Graver cutter 0.2	Graver cutter for aluminium, 0.2 mm	1
1636.0	Graver cutter 0.4	Graver cutter for aluminium, 0.4 mm	1
1637.0	Graver cutter 0.6	Graver cutter for aluminium, 0.6 mm	1
1638.0	Graver cutter 1.0	Graver cutter for aluminium, 1.0 mm	1
1684.0	Graver cutter 1.4	Graver cutter for aluminium, 1.4 mm	1
1688.0	Graver cutter 2.0	Graver cutter for aluminium, 2.0 mm	1
1689.0	Graver cutter 2.4	Graver cutter for aluminium, 2.4 mm	1
1685.0	Survol cutting oil, 500 ml	500 ml cutting oil for aluminium	1
1686.0	alu-oxide acid, 100 ml	100 mm alu-oxide acid for darkening of anodized aluminium markers	1
1659.0	EMS-2 engraving unit, vacuum cleaner bag	1 packet á 5 bags	1

Printing systems and software – Inlays for plotter systems EMS

Inlays

CONTA-CLIP's EMS plotter systems allow you to conveniently print on practically any **CONTA-CLIP** marker. **CONTA-CLIP** offers a matching inlay for each marker.
Just pick the appropriate inlay for your marker and you're already on your way.

The **CONTA-Sign** marking software can automatically recognize the inserted inlay; the software can then suggest the appropriate marker to the user.

In addition to our proprietary inlays, **CONTA-CLIP** offers inlays for the standard markers from other manufacturers such as Partex, Phoenix, Wago or Weidmüller.
These are available upon request.

CCI

Type		Qty.	For holding CONTA-CLIP markers of type
Type **Cat. no.**	CCI-3 **1593.0**	1	AD 1/5 N
Type **Cat. no.**	CCI-4 **1600.0**	1	ADQ
Type **Cat. no.**	CCI-5 **1601.0**	1	KBH-S4
Type **Cat. no.**	CCI-6 **1602.0**	1	AD 1/5 AD 1/6 AD 1/8 AD 1/16 N
Type **Cat. no.**	CCI-7 **1603.0**	1	AD 1/2 N
Type **Cat. no.** DIN A4 inlay	CCI-8 **1604.0**	1	ESO GT 1 ESO GT 2 ESO BST 8 KKE...A4 GKE...A4 GMP... GMA...
Type **Cat. no.**	CCI-10 **1606.0**	1	MC SB MC BSTR MC MM MC KMS MC ESS MC GS MC GST MC GSU MC KMC
Type **Cat. no.**	CCI-11 **1607.0**	1	SchT 9 SchT 10 ZSchT 6
Type **Cat. no.**	CCI-15 **88520.8**	1	KBH-S 21 strip KBH-S 36 strip KBH-S 57 strip KBH-S 84 strip
Type **Cat. no.**	CCI-17 **88520.0**	1	KBH-S 3/15 strip KBH-S 3/21 strip KBH-S 3/27 strip
Type **Cat. no.**	CCI-18 **88520.1**	1	KBH 5/15 strip KBH 5/21 strip KBH 5/27 strip
Type **Cat. no.**	CCI-19 **88520.2**	1	KBH 10/15 KBH 10/21 KBH 10/27 KBH 10/36

Printing systems and software – Thermal-transfer printer TTP

Thermal transfer printer TTP

The **TTP** thermal-transfer printer was designed specifically for marking solutions in systems and switchgear cabinet applications and is very versatile.

- Its speed and robustness make the **TTP** printer ideal for industrial applications.
- Short loading times for various materials, thanks to fast and straightforward exchange of label rolls.
- The accompanying labelling software, **CONTA-Sign**, is available in ten languages (German, English, French, Spanish, Hungarian, Italian, Dutch, Polish, Russian, Swedish)
- Free software updates can be downloaded from our web page
- The **TTP** can be used to print on **GKE** and **KKE** labels quickly and simply.

TTP

Type		Qty.
Type	**TTP Starter Kit** 1xTTP-Printer (**1640.0**) 1 x TTP film (**1641.0**) Thermal-transfer printer TTP, including power cable, printer driver and software CONTA-Sign CS in ten languages (German, English, French, Spanish, Hungarian, Italian, Dutch, Polish, Russian, Swedish), runs under Windows: 2000, XP, Vista, 7. Connection cable (USB cable), label attacher (75-mm diameter)	1
Cat. no.	**1644.0**	

Technical data	
Printer type	Thermal transfer
Intended use	Printing of labels
Max. label width	110 mm
Min. label width	15 mm
Print width	104 mm
Max. printing height	750 mm
Min. label height	6 mm
Resolution	200 dpi
Max. printing speed	50 - 80 mm/sec
Dimensions (W x H x D)	230 x 230 x 350
Weight	ca. 9 kg
Supply voltage	230 V AC / 50 Hz (optional 115 V AC / 60 Hz)
Interfaces	RS232 C / USB 1.1
Barcodes	EAN 8, EAN 13, EAN 128, Code 39, Code 39 extended, Code 128, Code 2/5 interleaved
Diameter of label role core	75 mm (40 mm optional)
Max. diameter of roll	180 mm

TTP accessories		
Cat. no.	**Type**	**Overview**
1641.0	TTP film	Roll of thermal-transfer film, 110 mm x 300 mm (outside with colour) industrial quality
1639.0	TTP cleaning set	1 print head and drum cleaner, 250 ml 1 compressed air for cleaning the photoelectric sensor, 200 ml 22 wipes, 5 cleaning spatulas, 2 cleaning cards, 1 cleaning file for print head, 1 label solvent spray, 200 ml

Printing systems and software – Plotter and printing pens

Plotter and printing pens

CONTA-CLIP offers a complete line of plotter pans and hand pens for labelling all types of markers and adhesive labels. The reusable **PP** pens are available in six different line widths and can be refilled using the **TP** ink cartridge. The disposable **PPE** pen is an affordable and long-lasting alternative to the **PP** pen. This pen is available with six line widths. The HP hand pen can be used to label quickly and easily without a plotter. The **TP** ink cartridges can be used to refill it. It is available in four different line widths.

The **PPE Ink-ED** does not dry out even if it has not been used for a long time, but is not suitable for marking outside of the switchgear cabinet because it is not resistant to smearing. Additional ink colours and line widths for the **PPE INK-ED** are available on request.

	PP.. 0.18	PP../HP 0.25	PP../HP 0.35
	Disposable plotter pen, 0.18 mm Reusable plotter pen, 0.18 mm	Disposable plotter pen, 0.25 mm Reusable plotter pen, 0.25 mm Reusable hand pen, 0.25 mm	Disposable plotter pen, 0.35 mm Reusable plotter pen, 0.35 mm Reusable hand pen, 0.35 mm
Type	**Qty.**	**Qty.**	**Qty.**
Type	PPE 0.18 mm	PPE 0.25 mm	PPE 0.35 mm
Cat. no. Disposable	**1649.0** 1	**1650.0** 1	**1651.0** 1
Type	PPE Ink-ED 0.18 mm	PPE Ink-ED 0.25 mm	PPE Ink-ED 0.35 mm
Cat. no. Disposable	**9820.0** 1	**9821.0** 1	**9822.0** 1
Type	PP 0.18 mm	PP 0.25 mm	PP 0.35 mm
Cat. no. Reusable	**1586.0** 1	**1587.0** 1	**1588.0** 1
Type		HP 0.25 mm	HP 0.35 mm
Cat. no. Reusable		**1316.0** 1	**1317.0** 1
Characteristics			
General			
Line width, mm	0.18	0.25	0.35
Colour code	red	white	yellow
Ink colour	black	black	black
Storage			
Storage temperature °C | °F	+5°C to +20°C | +41°F to +68°F	+5°C to +20°C | +41°F to +68°F	+5°C to +20°C | +41°F to +68°F
Storage at rel. humidity level of:	30% to 60%	30% to 60%	30% to 60%
Application			
For labelling of:	Plastic	Plastic	Plastic
Characteristics	Quick-drying, smudge-proof*2, non-fading	Quick-drying, smudge-proof*2, non-fading	Quick-drying, smudge-proof*2, non-fading
Plotter / Plotter pen holder	yes (PPE/PP) / yes (PPE/PP)	yes (PPE/PP) / yes (PPE/PP)	yes (PPE/PP) / yes (PPE/PP)
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Ink cartridge for PP / HP (TP)	TP (5 x 1ml)	TP (5 x 1ml)	TP (5 x 1ml)
Cat. no.	**1595.0** 409 1	**1595.0** 409 1	**1595.0** 409 1
Pressure ball for plotter pen	Pressure ball	Pressure ball	Pressure ball
Cat. no.	**1630.0** 409 1	**1630.0** 409 1	**1630.0** 409 1
Cleaning container	CC-1	CC-1	CC-1
Cat. no.	**1597.0** 409 1	**1597.0** 409 1	**1597.0** 409 1
Pen cleaner	PC-1	PC-1	PC-1
Cat. no.	**1598.0** 409 1	**1598.0** 409 1	**1598.0** 409 1

PPP 0.18 / PPP 0.25 / PPP 0.35

The **PPP** paper plotter pen is particularly well suited for labelling paper. It is designed for use with the **TPP** ink, which is particularly suitable for paper. The **PMP** permanent pen is an affordable pen that is primarily used for test purposes.
The **BS-1** marker pen is good for easy labelling tasks that are carried out on-site.
They can also be used with an adapter on a plotter.

	PPP 0.18	PPP 0.25	PPP 0.35
	Paper plotter pen / reusable, 0.18 mm	Paper plotter pen / reusable, 0.25 mm	Paper plotter pen / reusable, 0.35 mm
Type	**Qty.**	**Qty.**	**Qty.**
Type			
Cat. no. Disposable			
Type	PPP 0.18 mm	PPP 0.25 mm	PPP 0.35 mm
Cat. no. Reusable	**1615.0** 1	**1616.0** 1	**1617.0** 1
Characteristics			
General			
Line width, mm	0.18	0.25	0.35
Colour code	red	white	yellow
Ink colour	black	black	black
Storage			
Storage temperature °C | °F	+5°C to +20°C | +41°F to +68°F	+5°C to +20°C | +41°F to +68°F	+5°C to +20°C | +41°F to +68°F
Storage at rel. humidity level of:	30% to 60%	30% to 60%	30% to 60%
Application			
For labelling of:	Paper	Paper	Paper
Characteristics	smudge-proof	smudge-proof	smudge-proof
Plotter / Plotter pen holder	yes / yes	yes / yes	yes / yes
Accessories	**Page Qty.**	**Page Qty.**	**Page Qty.**
Ink cartridge for PPP (TPP)/plotter adapter	TPP (5 x 1ml)	TPP (5 x 1ml)	TPP (5 x 1ml)
Cat. no.	**1614.0** 409 1	**1614.0** 409 1	**1614.0** 409 1

*1: with plotter adapter *2: PE INK-ED only smear resistant

PP../HP 0.5

Disposable plotter pen, 0.50 mm
Reusable plotter pen, 0.50 mm
Reusable hand pen, 0.50 mm

	Qty.
PPE 0.5 mm **1652.0**	1
PPE Ink-ED 0.5 mm **9823.0**	1
PP 0.5 mm **1589.0**	1
HP 0.5 mm **1318.0**	1

0.50
brown
black

+5°C to +20°C | +41°F to +68°F
30% to 60%

Plastic
Quick-drying, smudge-proof, non-fading
yes (PPE/PP) / yes (PPE/PP)

	Page	Qty.
TP (5 x 1ml) **1595.0**	409	1
Pressure ball **1630.0**	409	1
CC-1 **1597.0**	409	1
PC-1 **1598.0**	409	1

PPP 0.50

Paper plotter pen /
reusable, 0.50 mm

	Qty.
PPP 0.50 mm **1618.0**	1

0.50
brown
black

+5°C to +20°C | +41°F to +68°F
30% to 60%

Paper
Smudge-proof
yes / yes

	Page	Qty.
TPP (5 x 1ml) **1614.0**	409	1

PP../HP 0.70

Disposable plotter pen, 0.70 mm
Reusable plotter pen, 0.70 mm
Reusable hand pen, 0.70 mm

	Qty.
PPE 0.7 mm **1653.0**	1
PPE Ink-ED 0.7 mm **9824.0**	1
PP 0.7 mm **1590.0**	1
HP 0.7 mm **1319.0**	1

0.70
blue
black

+5°C to +20°C | +41°F to +68°F
30% to 60%

Plastic
Quick-drying, smudge-proof, non-fading
yes (PPE/PP) / yes (PPE/PP)

	Page	Qty.
TP (5 x 1ml) **1595.0**	409	1
Pressure ball **1630.0**	409	1
CC-1 **1597.0**	409	1
PC-1 **1598.0**	409	1

PPP 0.70

Paper plotter pen /
reusable, 0.70 mm

	Qty.
PPP 0.70 mm **1619.0**	1

0.70
blue
black

+5°C to +20°C | +41°F to +68°F
30% to 60%

Paper
Smudge-proof
yes / yes

	Page	Qty.
TPP (5 x 1ml) **1614.0**	409	1

PP..1.00

Disposable plotter pen, 1.00 mm
Reusable plotter pen, 1.00 mm

	Qty.
PPE 1.0 mm **1654.0**	1
PPE Ink-ED 1.0 mm **9825.0**	1
PP 1.0 mm **1591.0**	1

1.00
orange
black

+5°C to +20°C | +41°F to +68°F
30% to 60%

Plastic
Quick-drying, smudge-proof, non-fading
yes (PPE/PP) / yes (PPE/PP)

	Page	Qty.
TP (5 x 1ml) **1595.0**	409	1
Pressure ball **1630.0**	409	1
CC-1 **1597.0**	409	1
PC-1 **1598.0**	409	1

PPP 1.00

Paper plotter pen/
reusable, 1.00 mm

	Qty.
PPP 1.00 mm **1620.0**	1

1.00
orange
black

+5°C to +20°C | +41°F to +68°F
30% to 60%

Paper
Smudge-proof
yes / yes

	Page	Qty.
TPP (5 x 1ml) **1614.0**	409	1

	Qty.
	1
	1

BS-1

Labelling pen 0.4 mm

	Qty.
BS-1 **2034.0**	1

0.40
-
black

+5°C to +20°C | +41°F to +68°F
30% to 60%

Plastic / paper
Water-proof and smudge-proof
yes*[1] / yes*[1]

	Page	Qty.
Adapter BS-1 **2000.0**	413	1

	Qty.
	1

Labelling systems and software – Labelling software CONTA-Sign

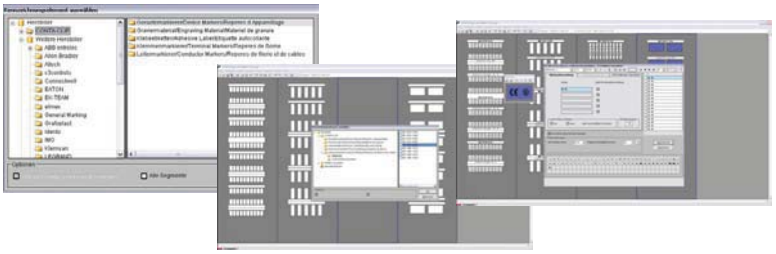
Labelling software CONTA-Sign

The Windows-based **CONTA-Sign** software was specially developed to produce professional marking solutions for systems and switchgear cabinet applications. This **CONTA-Sign** software can be used to control the **EMS-2** plotters (A3, A4 and eco). It can also be used with printing on heat-transfer roll printers (**TTP**) or with Windows-based printers. This software can be used to print on almost all of the markers that **CONTA-CLIP** delivers.

CONTA-Sign can be used to easily print text, barcodes or graphics on the markers.

The **CONTA-Sign** software is available in ten languages.

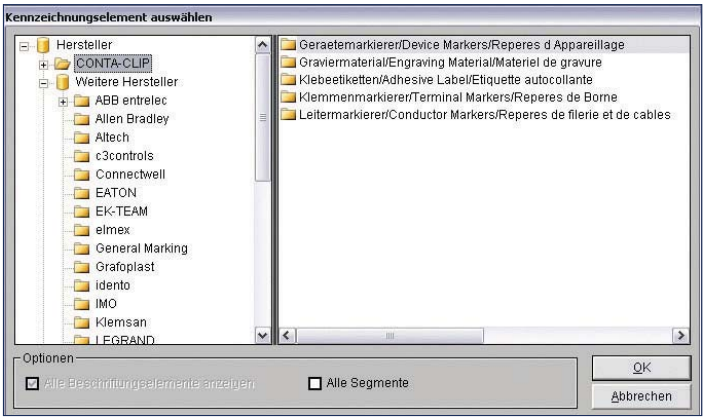
CONTA-Sign



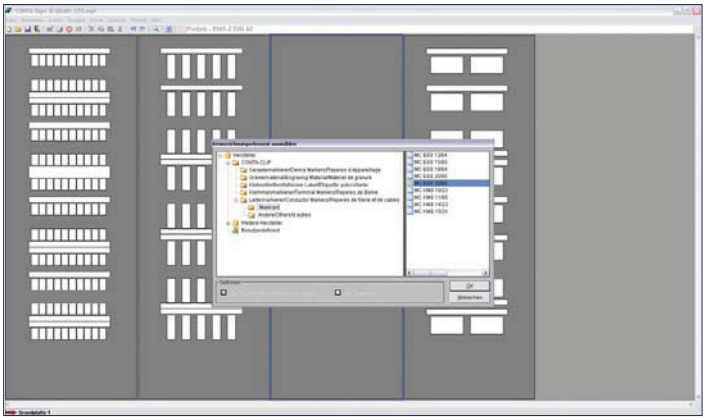
System requirements	
CPU	> Pentium II, 200 MHz
RAM	64 MB RAM
Drives	CD-ROM
Screen resolution	640 x 480 Pixels, we recommend at least 1024 x 768 pixels
Operating system	Windows: 98, ME, NT, 2000, XP, Vista, 7
Peripherals	Keyboard and mouse
Languages	German, English, French, Spanish, Hungarian, Italian, Dutch, Polish, Russian, Swedish

Features

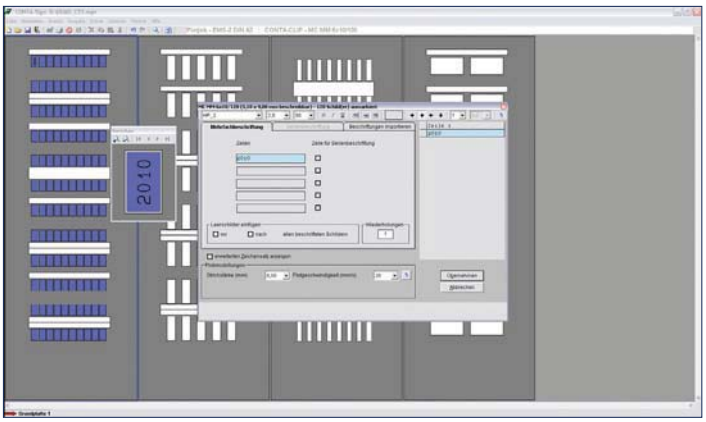
An import option is available for importing labelling specifications from project engineering software. Uncomplicated, retroactive processing of imported data in the software. Numerous user-friendly functions simplify manual input. Intuitive operation supports single, multiple and batch markings. Create individual markers using the marker design function. The pitch correction function guarantees faultless centering of labelling information even with large deviation in the material tolerances. Electronics symbols and special characters are included with the software.
Open programming means that the markers of different manufacturers are installed in the software as standard



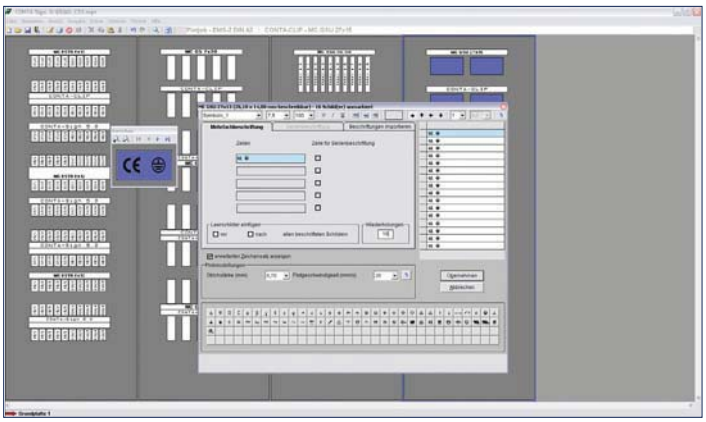
It is easy to select **CONTA-CLIP** markers or markers from other manufacturers



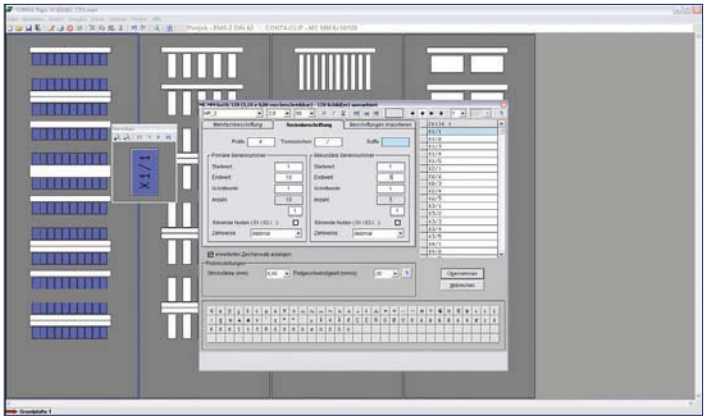
A variety of different markers in one project



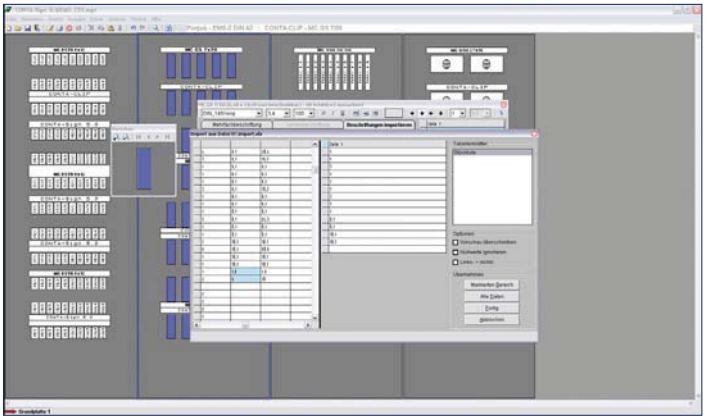
Number and letters are easy to enter



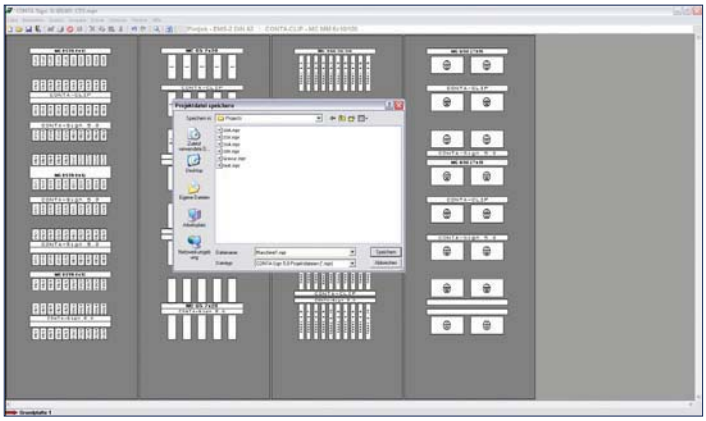
Many different electronic symbols are available by default



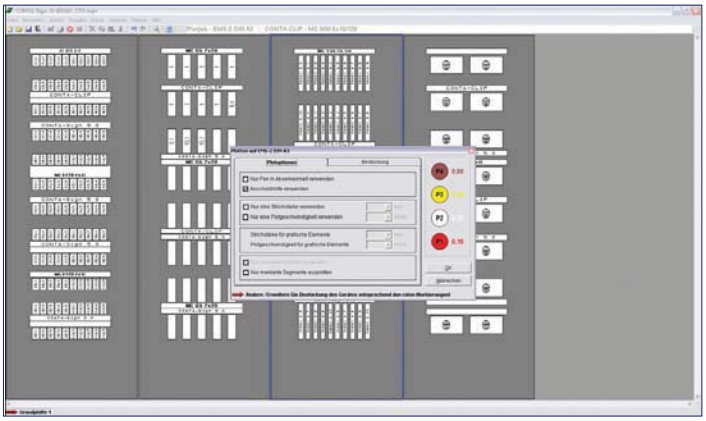
Batch entry



CAD/CAE, E-plan, plain text, Excel and Access formats can be imported



Projects can be created and saved



The EMS-2 plotter is easy to operate using the software

One software program for many different output devices

The user's manual contains a detailed description of the software functions. The manual can be downloaded for free from our web site at www.conta-clip.com.

CONTA-TOOL tool systems

CONTA-CLIP offers a wide selection of tools which help you to efficiently process wires and cables.
This includes diagonal cutters and stripping tools for shortening and stripping individual wire cores. We also offer one-handed cable cutters for cutting cables as well as crimping tools for processing wire-end ferrules, cable lugs and (BNC/TNC) plugs. In addition, we provide the supplemental material – consumable hardware, the required screwdrivers and testing devices – that contributes to a successful installation/maintenance process.

Cutting tools

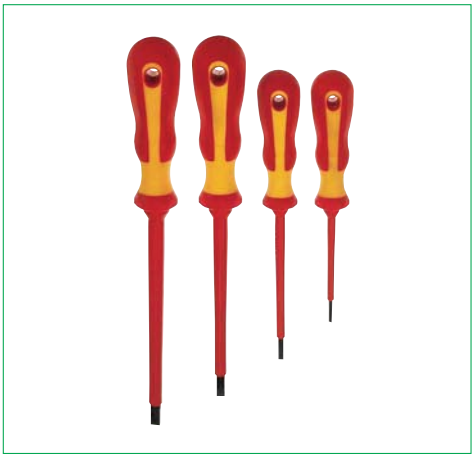
Aluminium and copper cables should be cut with a clean, straight cut that does not deform them. **CONTA-CLIP** offers a wide variety of cutting tools and one-handed cable shears that require minimal manual force to accomplish the job properly. The one-handed cable shears feature a ratchet function with power transmission in order to help you avoid fatigue.

Stripping tools

STRIPFIX stripping tools are customized precisely to the cross-section, insulation material and diameter of the wire or cable. They provide a safe, faultless and comfortable stripping action for wires ranging from 0.08 to 16 mm². These tools are auto-adjusting and come with an integrated diagonal cutter.

Screwdrivers

A wide variety of screwdrivers is available that has been customized to the **CONTA-CONNECT** range of products. They ensure that wires and cables are safely connected to **CONTA-CLIP** terminal blocks. These tools are available in insulated or uninsulated versions. They feature high-quality and long-lasting bits.



CONTA-TOOL tool systems

Crimping tools

You need special crimping tools tuned to your particular requirements when attaching wire-end ferrules, cable lugs and plugs (BNC/TNC).
The crimped connection between the crimp contact and the wire must be secure, homogenous and captive.
CONTA-CLIP crimping tools all feature an automatic locking mechanism that ensures consistent processing.

Stamping and cutting tools

Stamping and cutting tools are used during the installation and assembly of switchgear cabinets. They can be used to cut DIN rails to the proper length and to stamp the required fastening holes. The wiring duct cutter can be used to cut wiring ducts of up to 125-mm width to shorter lengths as required.

Materials

High-quality insulated wire-end ferrules which are CSA and CSAus certified comply with the toughest quality requirements. Various colour codes and lengths with cross-sections from 0.25 to 150 mm² are available.
Non-insulated wire-end ferrules, different types and cross-sections of crimping cable lugs and practical accessories (assortment boxes) for easy storage are also included in our product line.

Diagonal cutters and cable cutters

Diagonal cutters | Cable cutters	ESS 1		EKS 10		
	Electronic diagonal cutter		One-handed diagonal cutter		
Type		**Qty.**		**Qty.**	
Type	ESS 1		EKS 10		
Cat. no.	**1450.0**	1	**3163.0**	1	
Size / Weight					
Length, mm	130		165		
Weight, g	60		150		
Technical data					
Max. cutting lead, copper cable					
Solid wire (max. cross-section), mm²	1		10		
Stranded wire (max. cross-section), mm²					
Finely stranded wire (max. cross-section), mm²	1		35		
Max. wire diameter, mm	4		10		
Description / Features					
	Sharp and precise hardened-steel cutters for clean cuts through copper wire up to 1 mm2.		Cable cutters with heavy-duty blades of ductile alloyed steel. Sharp and precise for clean cuts, even through finely stranded wires.		
Spare parts					
Type					
Cat. no.					

Diagonal cutters | Cable cutters	EKS 10 eco		EKS 12 eco		EKS 17 eco	
	One-handed diagonal cutter		One-handed diagonal cutter		One-handed diagonal cutter	
Type		**Qty.**		**Qty.**		**Qty.**
Type	EKS 10 eco		EKS 12 eco		EKS 17 eco	
Cat. no.	**17086.0**	1	**17087.0**	1	**17088.0**	1
Size / Weight						
Length, mm	165		210		238	
Weight, g	195		296		450	
Technical data						
Max. cutting lead, copper cable						
Solid wire (max. cross-section), mm²	16		16		16	
Stranded wire (max. cross-section), mm²	16		25		35	
Finely stranded wire (max. cross-section), mm²	25		25		95	
Max. wire diameter, mm	10		12		17	
Description / Features						
	For cutting copper and aluminium cables without crushing cable. Max. cutting performance with minimal hand exertion. Can be used for up to 10 mm.		For cutting copper and aluminium cables without crushing cable. Max. cutting performance with minimal hand exertion. Can be used for up to 12 mm.		For cutting copper and aluminium cables without crushing cable. Max. cutting performance with minimal hand exertion. Can be used for up to 17 mm.	

KS 32	KS 34	KS 35 eco	KS 45 eco	
Cable cutter Ø 32 mm	Cable cutter Ø 34 mm	Cable cutter Ø 35 mm	Cable cutter Ø 45 mm	
Qty.	Qty.	Qty.	Qty.	
KS 32	KS 34	KS 35 eco	KS 45 eco	
1371.0 1	**17089.0** 1	**3053.0** 1	**3052.0** 1	
250	205	260	235	
600	750	800	980	
25	25	25	45	
185	185	185	300	
240	240	240	300	
32	34	35	45	
For cutting copper and aluminium cables. One-handed operation. Easy to use. Can be released at any cutting position.	For cutting copper and aluminium cables. One-handed operation. Easy to use. Can be released at any cutting position.	For cutting copper and aluminium cables. One-handed operation. Easy to use. Can be released at any cutting position.	For cutting copper and aluminium cables. One-handed operation. Easy to use. Can be released at any cutting position.	
Qty.				
KS 32/EM				
1372.0 1				

KS 52	KS 62P			
Cable cutter Ø 52 mm	Cable cutter Ø 62 mm			
Qty.	Qty.			
KS 52	KS 62P			
17090.0 1	**17091.0** 1			
320	410			
1040	2000			
25	25			
400	750			
450	750			
52	62			
For cutting copper and aluminium cables. One-handed operation. Easy to use. Can be released at any cutting position.	For cutting copper and aluminium cables. One-handed operation. Easy to use. Can be released at any cutting position.			

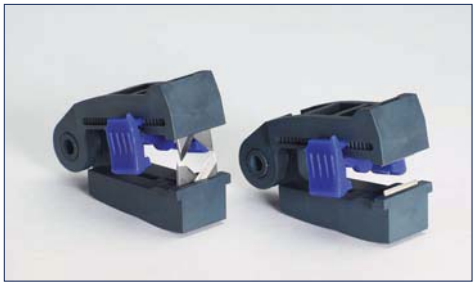
Self-adjusting cutting and stripping tools Stripfix / Stripfix-V / Stripfix-16

The Stripfix tools are self-adjusting cutting and stripping tools for standard types of cable and conductors (stripping can be done 90% of the time without manually adjusting the tool). The insertion of easily swappable stripping cassettes allows you to perform precise stripping of a number of different insulation materials (e.g. PVC, PTFE).

Convenience
Due to the easy-to-swap stripping cassettes, almost all standard types of cable and conductors can be stripped. This enables these tools to provide the greatest capacity for stripping.

Stripping cassettes are easy to swap out

Precision
The ability to make precise adjustments ensures that thin insulation can be removed from wires without damage. After stripping, the stripping blade opens and remains open when the tool is removed to make it easy to discard the stripped coating.



V-shaped blades for stripping problematic insulation

Ergonomic design
Comfortable and friendly for the user – good ergonomics are ensured by the practical design, the soft main grip, the play-free activating grip, the optimized gripping width, the angled head and the light weight.

Cuts up to 10 mm^2/8 AWG

Cost-efficient
Spare stripping cassettes and replacement blades are available.

Reliable
Tested over the course of more than 150,000 stripping processes. Encapsulated in extra strong, modern plastic (twice as strong compared to the nylon/PA6 standard).

Ergonomic construction with non-slip grips on both sides

Stripping tools

Stripping tools	Stripfix	Stripfix-V	Stripfix-16	
	Stripping tool 10 mm²	Stripping tool 6 mm²	Stripping tool 16 mm²	
Type	**Qty.**	**Qty.**	**Qty.**	
Type	Stripfix	Stripfix-V	Stripfix-16	
Cat. no.	**1074.0** 1	**3166.0** 1	**3167.0** 1	
Size / Weight				
Length, mm	191	191	191	
Weight, g	136	136	136	
Max. stripping range, copper cable				
Solid wire (max. cross-section), mm² / AWG	0.02-10 / 34-8	0.02-6 / 34-10	6-16 / 10-6	
Stranded (max. cross-section), mm² / AWG	0.02-10 / 34-8	0.02-6 / 34-10	6-16 / 10-6	
Finely stranded (max. cross-section), mm² / AWG	0.02-10 / 34-8	0.02-6 / 34-10	6-10 / 10-6	
Max. cutting lead, copper cable				
Solid wire (max. cross-section), mm² / AWG	1.5 / 16	1.5 / 16	1.5 / 16	
Stranded (max. cross-section), mm² / AWG	-	-	-	
Finely stranded (max. cross-section), mm²	10 / 8	10 / 8	10 / 8	
Description / Features				
	For stripping CU and AL wires: PVC-insulated wire from 0.02-10 mm² (AWG 34- 8) Cutting range: up to 10 mm² finely stranded (AWG 8)	For stripping CU and AL wires: Insulated wire from 0.02-6 mm² (AWG 34- 10) Cutting range: up to 10 mm² finely stranded (AWG 8)	For stripping CU and AL wires: PVC-insulated wire from 6-16 mm² (AWG 10-6) Cutting range: up to 10 mm² finely stranded (AWG 8)	
Spare parts				
Type of replacement blade	EKGK	EKVK	EKVK/16	
Cat. no.	**1076.0** 1	**1077.0** 1	**1408.0** 1	

Stripping tools	KM 25	KM 35		
	Stripping blade Ø 25 mm	Stripping blade Ø 35 mm		
Type	**Qty.**	**Qty.**		
Type	KM 25	KM 35		
Cat. no.	**17092.0** 1	**17093.0** 1		
Size / Weight				
Length, mm	152	168		
Weight, g	161	166		
Technical data Max. cutting lead, copper cable				
Solid wire (max. cross-section), mm² / AWG	-	-		
Stranded (max. cross-section), mm² / AWG	-	-		
Finely stranded (max. cross-section), mm² / AWG	-	-		
Max. wire diameter, mm	25	35		
Description / Features				
	Professional stripping tools for large round cables up to Ø 25 mm. Can cut circular, spiral and lengthwise. Stripping blade can be adjusted for thickness of insulation.	Professional stripping tools for large round cables up to Ø 35 mm. Can cut circular, spiral and lengthwise. Stripping blade can be adjusted for thickness of insulation.		

Screwdrivers

Screwdrivers	SDI	SDB	SDIK	SDK
	Screwdriver with insulated shaft	Screwdriver	Screwdriver with insulated shaft	Screwdriver
Type	**Qty.**	**Qty.**	**Qty.**	**Qty.**
Type	SDI 0.4x2.5	SDB 0.4x2.0	SDIK 1.0x80	SDK 1.0x80
Cat. no.	**1081.0** 1	**3164.0** 1	**2278.0** 1	**2289.0** 1
Total length / Blade length, mm	160 / 75	150 / 75	165 / 80	170 / 80
Weight, g	29	26	58	58
Type	SDI 0.6x3.5	SDB 0.4x2.5	SDIK 2.0x100	SDK 2.0x100
Cat. no.	**1082.0** 1	**3169.0** 1	**2279.0** 1	**2290.0** 1
Total length / Blade length, mm	185 / 100	150 / 75	205 / 100	205 / 100
Weight, g	42	26	79	93
Type	SDI 1.0x5.5	SDB 0.5x3.0		
Cat. no.	**1083.0** 1	**1085.0** 1		
Total length / Blade length, mm	230 / 125	160 / 75		
Weight, g	79	30		
Type	SDI 1.2x6.5	SDB 0.6x3.5		
Cat. no.	**1084.0** 1	**1086.0** 1		
Total length / Blade length, mm	250 / 150	185 / 100		
Weight, g	100	34		
Type		SDB 0.8x4,0		
Cat. no.		**1087.0** 1		
Total length / Blade length, mm		220 / 125		
Weight, g		52		
Type		SDB 1.2x6.5		
Cat. no.		**1088.0** 1		
Total length / Blade length, mm		250 / 150		
Weight, g		104		
Description / Features				
	With insulated shaft (acc. to VDE 0680 part 2)	With bare bit	With insulated shaft (acc. to DIN 7438/VDE 0680/2)	With bare bit

Screwdrivers	ISKS			
	Allen key socket wrench			
Type	**Qty.**			
Type	ISKS 5			
Cat. no.	**2818.0** 1			
Total length / Blade length, mm	130 / 100			
Weight, g	57			
Type	ISKS 6			
Cat. no.	**2772.0** 1			
Total length / Blade length, mm	130 / 100			
Weight, g	66			
Type	ISKS 8			
Cat. no.	**2773.0** 1			
Total length / Blade length, mm	130 / 100			
Weight, g	90			
Description / Features				
	With bare bit			

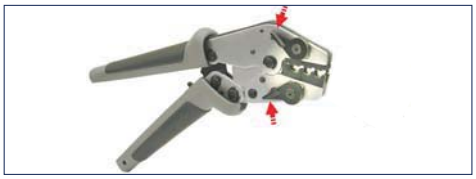
Crimping tools

Crimping tool set

The crimping tool set has a quick interlock feature and is extremely sturdy and reliable. Just one tool is required instead of many separate tools – thanks to the swappable crimp inserts.

- Basic crimping tools with “easy-change” quick interlock
- All crimp inserts are easy to swap out – without knurled screws and without tools
- Basic crimping tools with automatic locking and unlocking mechanisms to ensure complete crimps
- Crimping pressure can be adjusted
- Dual-component hand grip
- Nickel-plated, matt tool frame
- Many different crimp inserts available for the basic crimping tool
- Available as complete tool set with six crimping inserts

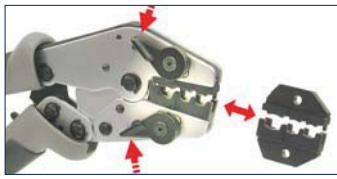
PZ TF plus



Crimping tool with easy-change quick interlock

Many different crimping inserts available for the basic crimping tool

PZ TF plus Set



Crimp inserts are easy to change

Complete crimping tool set

Type		
Type	PZ TF plus	PZ TF plus Set
Cat. no.	**17094.0**	**17095.0**
Size / Weight		
Length, mm	245	245
Weight, g	584	584
Included in delivery		
Tool	Crimping tool without crimp inserts	Crimping tool
Crimp inserts		
Type 1 insert WF 16 EN	-	for wire-end ferrules, 0.25 - 16.0 mm²
Type 2 insert WF 50 EN	-	for wire-end ferrules, 25.0 - 50.0 mm²
Type 3 insert IT 6	-	for insulated cable lugs, 0.5 - 6.0 mm²
Type 4 insert NIT 10	-	for non-insulated crimp lugs, 0.5 - 10.0 mm²
Type 5 insert OB 2.5P	-	for spade plugs, with opened or pre-rolled crimping claw, 0.5 - 2.5 mm²
Type 6 insert C 59	-	for coax plug RG58, 59, 62, 71

Crimp inserts

Type 1

Crimping inserts, wire-end ferrules

Type	Qty.
Insert WF 16 EN	
17096.0	1
Description / Features	
Insert for wire-end ferrules without collars. Wire-end ferrules: 0.5-16 mm² Crimp shape acc. to EN 60947-1	

Type 2

Crimping inserts, wire-end ferrules

Type	Qty.
Insert WF 50 EN	
17096.1	1
Description / Features	
Insert for wire-end ferrules without collars. Wire-end ferrules: 25-50 mm² Crimp shape acc. to EN 60947-1	

Type 3

Crimp inserts, cable lugs

Type	Qty.
Insert IT6	
17096.2	1
Description / Features	
Insert for insulated cable lugs, 0.5 - 6 mm²	

Type 4

Crimp inserts, crimp lug

Type	Qty.
Insert NIT 10	
17096.3	1
Description / Features	
Insert for non-insulated crimp lugs, 0.5 - 10.0 mm² DIN 46234	

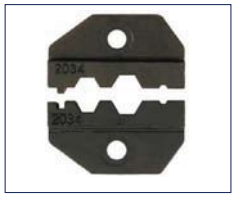
Crimp inserts

Type 5

Crimp insert, spade plug

Type	Qty.
Type	Insert OB 2.5 P
Cat. no.	**17096.4** 1
Description / Features	
Insert for spade plug with opened or pre-rolled crimping claw, from 0.5 – 2.5 mm² (plug width of 6.3+ 4.8 mm)	

Type 6



Crimp insert, coax plug

Type	Qty.
Type	Insert C 59
Cat. no.	**17096.5** 1
Description / Features	
Insert for coax plug BNC/TNC. Coax cable RG 58, RG 59, RG 62, RG 71, hex size: 6.50 / 5.41 / 1.72 mm	

TOOL SYSTEMS

Crimping tools

Crimping tools for wire-end ferrules	PZD 3	PZU 6	PZU S	PZU 16
	Crimping tool for up to 6 mm²	Crimping tool for up to 6 mm²	Crimping tool for up to 6 mm²	Crimping tool 10+16 mm²
Type	**Qty.**	**Qty.**	**Qty.**	**Qty.**
Type	PZD 3	PZU 6	PZU 6/S	PZU 16
Cat. no.	**3135.0** 1	**1100.0** 1	**3055.0** 1	**1465.0** 1
Size / Weight				
Length, mm	197	210	220	250
Weight, g	370	500	560	600
Technical data				
Crimping range, mm² / AWG	0.5-6 / 2-10	0.14-6 / 26-10	0.14-6 / 26-10	10+16 / 7-6
Crimp shape	Square crimp	Trapezoidal crimp	Trapezoidal crimp	Trapezoidal crimp
Description / Features				
	For crimping wire-end ferrules with or without plastic collars. Cross-section range: 0.5-6 mm² (AWG 2-10). Easy to use, auto-lock for proper and complete crimping. Wire entry from above. Self-opening with integrated spring. High-quality industrial design.	For crimping wire-end ferrules with or without plastic collars. Cross-section range: 0.5-6 mm² (AWG 2-10). Easy to use, auto-lock for proper and complete crimping. Wire entry from above. Self-opening with integrated spring. High-quality industrial design.	For crimping wire-end ferrules with or without plastic collars. Cross-section range: 0.14-6 mm² (AWG 26- 10). Easy to use, auto-lock for proper and complete crimping. Wire entry from above. Self-opening with integrated spring. High-quality industrial design.	For crimping wire-end ferrules with or without plastic collars. Cross-section range: 10 – 16 mm² (AWG 7- 6). Easy to use, auto-lock for proper and complete crimping. Wire entry from above. Self-opening with integrated spring. High-quality industrial design.
Spare parts				
Type				
Cat. no.				

Crimping tools for wire-end ferrules	PZU 16 eco	PZU 25	PZU 35	PZU 50
	Crimping tool for up to 16 mm²	Crimping tool for 10 – 25 mm²	Crimping tool 25 + 35 mm²	Crimping tool 50 mm²
Type	**Qty.**	**Qty.**	**Qty.**	**Qty.**
Type	PZU 16 eco	PZU 25	PZU 35	PZU 50
Cat. no.	**3056.0** 1	**3057.0** 1	**1466.0** 1	**1467.0** 1
Size / Weight				
Length, mm	233	220	225	225
Weight, g	540	560	540	550
Technical data				
Crimping range, mm² / AWG	0.5-16 / 20-5	10-25 / 7-3	25+35 / 3+2	50 / 0
Crimp shape	Trapezoidal crimp	Square crimp	Trapezoidal crimp	Trapezoidal crimp
Description / Features				
	For crimping wire-end ferrules with or without plastic collars. Cross-section range: 0.5-16 mm² (AWG 20-5). Easy to use, auto-lock for proper and complete crimping. Wire entry from side. Self-opening with integrated spring.	For crimping wire-end ferrules with or without plastic collars. Cross-section range: 10, 16 and 25 mm² (AWG 7; 5 and 3). Easy to use, auto-lock for proper and complete crimping. Wire entry from side. Self-opening with integrated spring. High-quality industrial design.	For crimping wire-end ferrules with or without plastic collars. Cross-section range: 25 + 35 mm² (AWG 3-2). Easy to use, auto-lock for proper and complete crimping. Wire entry from side. Self-opening with integrated spring. High-quality industrial design.	For crimping wire-end ferrules with or without plastic collars. Cross-section range: 50 mm² (AWG 0). Easy to use, auto-lock for proper and complete crimping. Wire entry from side. Self-opening with integrated spring. High-quality industrial design.
Spare parts				
Type				
Cat. no.				

Crimping tools

Crimping tools	PZI 6	PZI 6 eco	PZ RG	PZ RG eco
	Crimping tool, cable lugs	Crimping tool, cable lugs	Crimping tool Coax connector	Crimping tool
Type	**Qty.**	**Qty.**	**Qty.**	**Qty.**
Type	PZI 6	PZI 6 eco	PZ RG	PZ RG eco
Cat. no.	**1468.0** 1	**3059.0** 1	**1474.0** 1	**3060.0** 1
Size / Weight				
Length, mm	225	225	225	225
Weight, g	480	540	480	540
Technical data				
Crimping range, mm² / AWG	0.5-6	0.5-6		
Crimp shape	Oval crimp	Oval crimp	Hexagonal crimp	Hexagonal crimp
Description / Features				
	For non-insulated crimp lugs in shape of ring, fork or spade. Application areas: Profile 1: 0.5-1.5 mm² (red) Profile 2: 1.5-2.5 mm² (blue) Profile 3: 4.0-6.0 mm² (yellow). Easy to use, auto-lock for proper and complete crimping. Wire entry from above. Self-opening with integrated spring. High-quality industrial design.	For non-insulated crimp lugs in shape of ring, fork or spade. Application areas: Profile 1: 0.5-1.5 mm2 (red) Profile 2: 1.5-2.5 mm² (blue) Profile 3: 4.0-6.0 mm² (yellow). Easy to use, auto-lock for proper and complete crimping. Wire entry from above. Self-opening with integrated spring.	For BNC - TNC coax connectors (cable types RG 58, 59, 62 and 71). Easy to use, auto-lock for proper and complete crimping. Wire entry from side. Self-opening with integrated spring. High-quality industrial design.	For crimping coax plugs such as BNC and TNC with cables RG 55, 58, 59, 62, 174, 8279. Profile: 6.48/ 5.4/ 4.76/ 1.72 mm. Easy to use, auto-lock for proper and complete crimping. Wire entry from side. Self-opening with integrated spring.
Spare parts				
Type				
Cat. no.				

Crimping tools	PZF 6	PZN 10	PZN 10 eco	MPS Tool M
	Crimping tool crimp cable lug	Crimping tool crimp cable lug	Crimping tool crimp cable lug	Cable tie tool for Steel cable ties
Type	**Qty.**	**Qty.**	**Qty.**	**Qty.**
Type	PZF 6	PZN 10	PZN 10 eco	MPS Tool M
Cat. no.	**1472.0** 1	**1470.0** 1	**3058.0** 1	**3826.0** 1
Size / Weight				
Length, mm	225	225	225	178
Weight, g	480	480	540	600
Technical data				
Crimping range, mm² / AWG	0.1-6	0.1-10	1-10	-
Crimp shape	F-Crimp	Indent crimp	Indent crimp	-
Description / Features				
	For non-insulated crimp cable lugs with spade shape. Application areas: Profile 1: 0.1-0.5 mm² (AWG 26-20) Profile 2: 0.5-2.5 mm² (AWG 20-14) Profile 3: 4,0-6,0 mm² (AWG 12-10) Profile 4: 0.1-0.5 mm² (AWG 26 - 20). Easy to use, auto-lock for proper and complete crimping. Wire entry from above. Self-opening with integrated spring. High-quality industrial design.	For non-insulated crimp cable lugs with ringed and forked shapes. Application areas: Profile 1: 0.1-0.5 mm² (AWG 26-20) Profile 2: 0.5-2.5 mm² (AWG 20-14) Profile 3: 4,0-6,0 mm² (AWG 12-10) Profile 4: 10 mm² (AWG 7). Easy to use, auto-lock for proper and complete crimping. Wire entry from above. Self-opening with integrated spring. High-quality industrial design.	For non-insulated crimp lugs in shape of ring, fork or spade. Application areas: 1.0-10 mm² (AWG 16-7). Easy to use, auto-lock for proper and complete crimping. Wire entry from side. Self-opening with integrated spring.	Manual cable tie tools for steel cable ties • Sturdy construction • Easy to use • Improved head ensures easy and fast positioning – even when space is cramped
Spare parts				
Type				
Cat. no.				

DIN rail cutters and stamping tools

DIN rail cutters and stamping tools

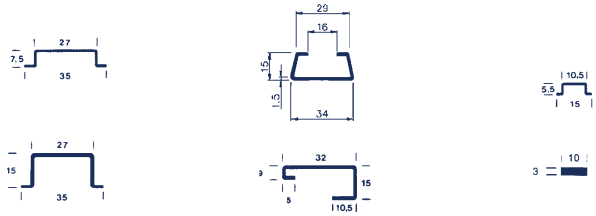
The **TS-PSS** DIN rail cutter and stamping tool is designed for manually shortening and stamping holes in DIN rails (TS 15, TS 35, TS 32) and busbars (10 x 3 mm). The tool can be mounted on a workbench or similar working surface. It can also stamp holes of varying dimensions in customized positions.

Features:
- Minimal effort
- Quick, quiet and burr-free cross-cuts
- Holes can be stamped out in any position
- Cutting disk can be re-sharpened or easily replaced

Lengthwise and crosswise hole stamps are included in the delivery.

TS-PSS 2

Rail dimensions



Type	Qty.
Type	TS-PSS 2
Cat. no.	**3894.0** 1
Technical data	
Lever length, mm	1000
Length limit	1000 mm, metric and inch
Weight, kg	14.2
Accessories / Replacements	
Replacement stamp + die, 12 x 6 mm, lengthwise slot	SMSST/L 12x6mm
Cat. no.	**3898.0** 1
Replacement stamp + die, 12 x 6 mm, crosswise slot	SMSST/L 12x6 mm
Cat. no.	**3898.1** 1
Replacement stamp + die, Ø 5.5 mm, round hole	SMSST/R 6.5 mm
Cat. no.	**3898.2** 1
Replacement stamp + die, Ø 6.0 mm, round hole	SMSST/R 6 mm
Cat. no.	**3898.3** 1

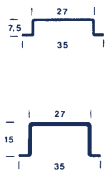
TS-PS eco

The new **TS-PS eco** DIN rail cutter is a manual tool designed for cutting DIN TS 35 rails into shorter sections. The TS-PS eco has a quiet and quick cutting process which leaves no burrs on the rail. The result is a fine, straight cut that does not result in any bending of the rail. The tool can be attached to a work bench or mounted at a workstation.

Features:
- Minimal effort
- Quick, quiet and burr-free cross-cuts
- Maintenance-free
- Versatile: metric and inch scale adjustments
- Cutting plate can be re-sharpened or easily replaced

TS-PS eco

Rail dimensions



Type	Qty.
Type	TS-PS eco
Cat. no.	**3895.0** 1
Technical data	
Lever length, mm	1000
Length limit	1000 mm, metric and inch
Weight, kg	8.6
Accessories for the TS-PSS 2 and TS-PS eco	
DIN rails are listed starting on page 268.	

Wiring duct cutter

Wiring duct cutter

The **VKS** wiring duct cutter is a tool for manually cutting wiring ducts of up to 125 mm in width. The tool can be attached to a work bench or mounted at a workstation.

Features:
- 90° precise-angle cutting
- Quick, quiet and burr-free cutting
- Minimal force needed for cut
- Maintenance-free

VK-S

Type	Qty.
Type	VK-S
Cat. no.	**3897.0** 1
Technical data	
Lever length, mm	500
Length limit	1000 mm, metric and inch
Weight, kg	9.1
Wall thickness, mm	2.5
Channel width, mm	125
Accessories / Replacements	
Replace blade	VK-S/EM
Cat. no.	**3899.0** 1

Wire-end ferrules with plastic collars

Wire-end ferrules with plastic collar

Cross-section, mm²	AWG	Stripping length mm²	Dimensions, mm L_1	L_2	d_1	S_1	d_2	S_2	Qty.
0.25	24	8	10	6	0.85	0.15	1.8	0.25	500
0.25	24	10	12	8	0.85	0.15	1.8	0.25	500
0.34	22	8	10	6	0.85	0.15	2.0	0.25	500
0.34	22	10	12	8	0.85	0.15	2.0	0.25	500
0.5	20	8	12	6	1.0	0.15	2.6	0.25	500
0.5	20	10	14	8	1.0	0.15	2.6	0.25	500
0.5	20	12	16	10	1.0	0.15	2.6	0.25	500
0.75	18	8	12	6	1.2	0.15	2.8	0.25	500
0.75	18	10	14	8	1.2	0.15	2.8	0.25	500
0.75	18	12	16	10	1.2	0.15	2.8	0.25	500
0.75	18	14	18	12	1.2	0.15	2.8	0.25	500
1	1	8	12	6	1.4	0.15	3.0	0.25	500
1	1	10	14	8	1.4	0.15	3.0	0.25	500
1	1	12	16	10	1.4	0.15	3.0	0.25	500
1	7	14	18	12	1.4	0.15	3.0	0.25	500
1.5	16	10	14	8	1.7	0.15	3.5	0.25	500
1.5	16	12	16	10	1.7	0.15	3.5	0.25	500
1.5	16	14	18	12	1.7	0.15	3.5	0.25	500
1.5	16	20	24	18	1.7	0.15	3.5	0.25	500
2.5	14	10	15	8	2.2	0.15	4.2	0.25	500
2.5	14	14	19	12	2.2	0.15	4.2	0.25	500
2.5	14	20	25	18	2.2	0.15	4.2	0.25	500
4	12	12	18	10	2.8	0.2	4.8	0.30	500
4	12	14	20	12	2.8	0.2	4.8	0.30	500
4	12	20	26	18	2.8	0.2	4.8	0.30	500
6	10	14	20	12	3.5	0.2	6.3	0.30	100
6	10	20	26	18	3.5	0.2	6.3	0.30	100
10	8	15	22	12	4.5	0.2	7.6	0.40	100
10	8	21	28	18	4.5	0.2	7.6	0.40	100
16	6	15	22	12	5.8	0.2	8.8	0.40	100
16	6	21	28	18	5.8	0.2	8.8	0.40	100
25	4	18	30	16	7.3	0.2	11.2	0.40	50
25	4	24	36	22	7.3	0.2	11.2	0.40	50
35	2	19	30	16	8.3	0.2	12.7	0.40	50
35	2	21	3	18	8.3	0.2	12.7	0.40	50
35	2	28	39	25	8.3	0.2	12.7	0.40	50
50	1	26	36	20	10.3	0.3	15.0	0.50	50
50	1	31	41	25	10.3	0.3	15.0	0.50	50
70*	2/0	26	37	21	12.7	0.35	16.0	0.60	25
95*	3/0	31	44	25	14.7	0.35	18.0	0.60	25
120*	4/0	36	50	30	16.5	0.5	21.0	0.70	25
150*	250 MCM	38	54	32	18.5	0.5	23.5	0.75	25

* No CSA-US approval

CONTA-CLIP Standard

Type	Colour	Cat. no.	Qty.
H 0.25/10 LB	bright blue	**2620.0**	500
H 0.25/12 LB	bright blue	**2621.0**	500
H 0.34/10 CY	cyan	**2622.0**	500
H 0.34/12 CY	cyan	**2623.0**	500
H 0.5/12 OG	orange	**2397.0**	500
H 0.5/14 OG	orange	**2201.0**	500
H 0.5/16 OG	orange	**3116.0**	500
H 0.75/12 WH	white	**2398.0**	500
H 0.75/14 WH	white	**2202.0**	500
H 0.75/16 WH	white	**3117.0**	500
H 0.75/18 WH	white	**3118.0**	500
H 1.0/12 YE	yellow	**2399.0**	500
H 1.0/14 YE	yellow	**2203.0**	500
H 1.0/16 YE	yellow	**3119.0**	500
H 1.0/18 YE	yellow	**3120.0**	500
H 1.5/14 RD	red	**2204.0**	500
H 1.5/16 RD	red	**2400.0**	500
H 1.5/18 RD	red	**2814.0**	500
H 1.5/24 RD	red	**2205.0**	500
H 2.5/14-D BU	blue	**2845.0**	500
H 2.5/18-D BU	blue	**2846.0**	500
H 2.5/24-D BU	blue	**2847.0**	500
H 4,0/18-D GR	grey	**2848.0**	500
H 4,0/20-D GR	grey	**2849.0**	500
H 4,0/26-D GR	grey	**2850.0**	500
H 6,0/20 BK	black	**2210.0**	100
H 6,0/26 BK	black	**2211.0**	100
H 10,0/22 IV	ivory	**2212.0**	100
H 10,0/28 IV	ivory	**2213.0**	100
H 16,0/22 GN	green	**2214.0**	100
H 16,0/28 GN	green	**2215.0**	100
H 25,0/30 BN	brown	**2267.0**	50
H 25,0/36 BN	brown	**2272.0**	50
H 35,0/30 BG	beige	**2276.0**	50
			50
H 35,0/39 BG	beige	**2390.0**	50
H 50,0/36 OL	olive	**2500.0**	50
			50
H 70,0/37 YE	yellow	**2786.0**	25
H 95,0/44 RD	red	**2787.0**	25
H 120,0/50 BU	blue	**2788.0**	25
H 150,0/54 YE	yellow	**2789.0**	25

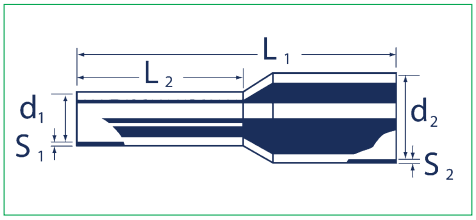
DIN Standard

Type	Colour	Cat. no.	Qty.
H 0.5/12-D WH	white	**2863.0**	500
H 0.5/14-D WH	white	**2864.0**	500
H 0.5/16-D WH	white	**2865.0**	500
H 0.75/12-D GR	grey	**2866.0**	500
H 0.75/14-D GR	grey	**2867.0**	500
H 0.75/16-D GR	grey	**2868.0**	500
H 0.75/18-D GR	grey	**2869.0**	500
H 1.0/12-D RD	red	**2870.0**	500
H 1.0/14-D RD	red	**2871.0**	500
H 1.0/16-D RD	red	**2872.0**	500
H 1.0/18-D RD	red	**2840.0**	500
H 1.5/14-D BK	black	**2841.0**	500
H 1.5/16-D BK	black	**2842.0**	500
H 1.5/18-D BK	black	**2843.0**	500
H 1.5/24-D BK	black	**2844.0**	500
H 2.5/14-D BU	blue	**2845.0**	500
H 2.5/18-D BU	blue	**2846.0**	500
H 2.5/24-D BU	blue	**2847.0**	500
H 4,0/18-D GR	grey	**2848.0**	500
H 4,0/20-D GR	grey	**2849.0**	500
H 4,0/26-D GR	grey	**2850.0**	500
H 6,0/20-D YE	yellow	**2851.0**	100
H 6,0/26-D YE	yellow	**2852.0**	100
H 10,0/22-D RD	red	**2853.0**	100
H 10,0/28-D RD	red	**2854.0**	100
H 16,0/22-D BU	blue	**2855.0**	100
H 16,0/28-D BU	blue	**2856.0**	100
H 25,0/30-D YE	yellow	**2857.0**	50
H 25,0/36-D YE	yellow	**2858.0**	50
H 35,0/30-D RD	red	**2859.0**	50
H 35,0/32-D RD	red	**3121.0**	50
H 35,0/39-D RD	red	**2860.0**	50
H 50,0/36-D BU	blue	**2861.0**	50
H 50,0/41-D BU	blue	**3122.0**	50

T Standard

Type	Colour	Cat. no.	Qty.
H 0.25/10-T YE	yellow	**3123.0**	500
H 0.25/12-T YE	yellow	**3124.0**	500
H 0.34/10-T GN	green	**3125.0**	500
H 0.34/12-T GN	green	**3126.0**	500
H 0.5/12-D WH	white	**2863.0**	500
H 0.5/14-D WH	white	**2864.0**	500
H 0.5/16-D WH	white	**2865.0**	500
H 0.75/12-T BU	blue	**3127.0**	500
H 0.75/14-T BU	blue	**1059.0**	500
H 0.75/16-T BU	blue	**3128.0**	500
H 0.75/18-T BU	blue	**3129.0**	500
H 1.0/12-D RD	red	**2870.0**	500
H 1.0/14-D RD	red	**2871.0**	500
H 1.0/16-D RD	red	**2872.0**	500
H 1.0/18-D RD	red	**2840.0**	500
H 1.5/14-D BK	black	**2841.0**	500
H 1.5/16-D BK	black	**2842.0**	500
H 1.5/18-D BK	black	**2843.0**	500
H 1.5/24-D BK	black	**2844.0**	500
H 2.5/14-T GR	grey	**1069.0**	500
H 2.5/18-T GR	grey	**3130.0**	500
H 2.5/24-T GR	grey	**1089.0**	500
H 4,0/18-T OG	orange	**2041.0**	500
H 4,0/20-T OG	orange	**3131.0**	500
H 4,0/26-T OG	orange	**2073.0**	500
H 6,0/20-T GN	green	**2130.0**	100
H 6,0/26-T GN	green	**2133.0**	100
H 10,0/22-T BN	brown	**2134.0**	100
H 10,0/28-T BN	brown	**2144.0**	100
H 16,0/22-T IV	ivory	**2145.0**	100
H 16,0/28-T IV	ivory	**2510.0**	100
H 25,0/30-T BK	black	**2511.0**	50
H 25,0/36-T BK	black	**3132.0**	50

If the individual strands at the ends of finely stranded wires need to be protected due to frequent connecting, then **CONTA-CLIP** wire end ferrules are an ideal solution. The ferrules must be crimped gas-tight with the ends of the wires. A simply distortion caused by the clamping force is not adequate. The wire-end ferrules can be crimped easily and securely with **CONTA-CLIP** crimping pliers. The resulting connections function properly both electrically and mechanically.



Funnel feed-in made of polypropylene. Heat resistant up to 120°C. For wires from 0.5 – 150 mm². Material: E-Cu/A-Cu, galvanically tin-plated.

Wire-end ferrules with plastic collars

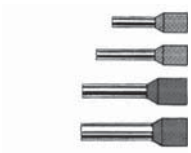
Wire-end ferrules for two wires with plastic collars

Cross-section, mm²	Stripping length AWG	Stripping length mm²	Dimensions, mm L_1	L_2	d_1	S_1	S_2	A	B	Qty.
2x 0.5	2x 20	11	14	8	1.4	0.15	0.3	5.0	3.0	500
2x 0.5	2x 20	13	16	16	1.4	0.15	0.3	5.0	3.0	500
2x 0.5	2x 20	15	18	12	1.4	0.15	0.3	5.0	3.0	500
2x 0.75	2x 18	11	14	8	1.7	0.15	0.3	5.5	3.0	500
2x 0.75	2x 18	13	16	10	1.7	0.15	0.3	5.5	3.0	500
2x 0.75	2x 18	21	24	18	1.7	0.15	0.3	5.5	3.0	500
2x 1	2x 17	12	15	8	2.0	0.15	0.3	5.8	3.2	500
2x 1	2x 17	16	19	12	2.0	0.15	0.3	5.8	3.2	500
2x 1	2x 17	22	25	18	2.0	0.15	0.3	5.8	3.2	500
2x 1.5	2x 16	11	16	8	2.2	0.15	0.3	6.5	3.6	500
2x 1.5	2x 16	15	20	12	2.2	0.15	0.3	6.5	3.6	500
2x 1.5	2x 16	21	26	18	2.2	0.15	0.3	6.5	3.6	100
2x 2.5	2x 14	13	19	10	2.8	0.15	0.4	8.0	4.5	500
2x 2.5	2x 14	15	21	12	2.8	0.15	0.4	8.0	4.5	500
2x 2.5	2x 14	21	27	18	2.8	0.15	0.4	8.0	4.5	100
2x 4	2x 12	15	22	12	3.5	0.20	0.5	9.0	5.2	100
2x 4	2x 12	21	28	18	3.5	0.20	0.5	9.0	5.2	100
2x 6	2x 10	20	23	12	4.5	0.20	0.5	11.4	6.2	100
2x 6	2x 10	24	29	18	4.5	0.20	0.5	11.4	6.2	100
2x 10	2x 8	17	24	12	5.8	0.20	0.5	13.4	7.6	100
2x 10	2x 8	23	30	18	5.8	0.20	0.5	13.4	7.6	100
2x 16	2x 6	20	29	16	8.3	0.30	0.6	17.2	9.5	50
2x 16	2x 6	29	38	25	8.3	0.30	0.6	17.2	9.5	50

CONTA-CLIP Standard

Type	Colour	Cat. no.	Qty.
HZL/0.5 OG	orange	**3003.0**	500
HZL/0.5 HL OG	orange	**3004.0**	500
HZL/0.5 L OG	orange	**3005.0**	500
HZL/0.75 WH	white	**3006.0**	500
HZL/0.75 HL WH	white	**3007.0**	500
HZL/0.75 L WH	white	**3008.0**	500
HZL/1.0 YE	yellow	**3009.0**	500
HZL/1.0 HL YE	yellow	**3010.0**	500
HZL/1.0 L YE	yellow	**3011.0**	500
HZL/1.5 RD	red	**3012.0**	500
HZL/1.5 HL RD	red	**3013.0**	500
HZL/1.5 L RD	red	**3014.0**	100
HZL/2.5-D BU	blue	**2778.0**	500
HZL/2.5 HL-D BU	blue	**2798.0**	500
HZL/2.5 L-D BU	blue	**2998.0**	100
HZL/4,0-D GR	grey	**2799.0**	100
HZL/4,0 L-D GR	grey	**2999.0**	100
HZL/6,0 BK	black	**3020.0**	100
HZL/6,0 L BK	black	**3021.0**	100
HZL/10,0 IV	ivory	**3022.0**	100
HZL/10,0 L IV	ivory	**3023.0**	100
HZL/16,0 GN	green	**3024.0**	50
HZL/16,0 L GN	green	**3025.0**	50

Wire-end ferrules for AWG wires with plastic collars



Cross-section mm²	Stripping length AWG	Stripping length mm²	Dimensions, mm L_1	L_2	d_1	S_1	d_2	S_2	Qty.
0.5	20	10	14	8	1.1	0.15	2.9	0.25	500
0.75	18	10	14	8	1.2	0.15	3.4	0.25	500
1	7	10	14	8	1.4	0.15	3.5	0.25	500
1.5	6	10	14	8	1.7	0.15	4.0	0.25	500

CONTA-CLIP Standard

Type	Colour	Cat. no.	Qty.
H 0.5/14 AWG OG	orange	**3077.0**	500
H 0.75/14 AWG WH	white	**3078.0**	500
H 1.0/14 AWG YE	yellow	**3079.0**	500
H 1.5/14 AWG RD	red	**3080.0**	500

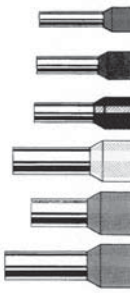
Wire-end ferrules for compact connection spaces

Cross-section mm²	Stripping length AWG	Stripping length mm²	Dimensions, mm L1	L2	d1	S_1	d2	S_2	Qty.
2.5	14	8	14	8	2.2	0.15	4	0.25	500
4,0	12	12	20	12	2.8	0.2	4,7	0.30	500

CONTA-CLIP Standard

Type	Colour	Cat. no.	Qty.
H 2.5/14-D SR BU	blue	**3081.0**	500
H 4,0/20-D SR GR	grey	**3194.0**	500

Wire-end ferrules for short-circuit-proof and earth-fault-proof cables



Cross-section mm²	Stripping length AWG	Stripping length mm²	Dimensions, mm L1	L2	d1	S_1	d2	S_2	Qty.
1.5	16	8	17,5	8	1.8	0.15	6.4	0.30	100
1.5	16	10	19.5	10	1.8	0.15	6.4	0.30	100
2.5	14	8	17,5	8	2.3	0.15	7,3	0.30	100
2.5	14	12	21.5	12	2.3	0.15	7,3	0.30	100
4	12	10	19.5	10	2,9	0.2	7,3	0.30	100
6	10	12	23	12	3,6	0.2	8,1	0.30	100
10	8	12	24	12	4,6	0.2	9,6	0.30	100
16	6	12	25.5	12	6	0.2	11.9	0.30	100

CONTA-CLIP Standard

Type	Colour	Cat. no.	Qty.
H 1.5/17,5 KS BK	black	**3082.0**	100
H 1.5/19.5 KS BK	black	**3083.0**	100
H 2.5/17,5 KS BU	blue	**3084.0**	100
H 2.5/21.5 KS BU	blue	**3085.0**	100
H 4,0/19.5 KS GR	grey	**3086.0**	100
H 6,0/23 KS YE	yellow	**3087.0**	100
H 10,0/24 KS RD	red	**3088.0**	100
H 16,0/25.5 KS BU	blue	**3089.0**	100

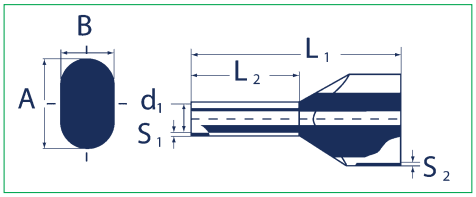
DIN Standard

Type	Colour	Cat. no.	Qty.
HZL/0.5-D WH	white	**2794.0**	500
HZL/0.5 HL-D WH	white	**2993.0**	500
HZL/0.5 L-D WH	white	**2994.0**	500
HZL/0.75-D GR	grey	**2775.0**	500
HZL/0.75 HL-D GR	grey	**2795.0**	500
HZL/0.75 L-D GR	grey	**2995.0**	500
HZL/1.0-D RD	red	**2776.0**	500
HZL/1.0 HL-D RD	red	**2796.0**	500
HZL/1.0 L-D RD	red	**2996.0**	500
HZL/1.5-D BK	black	**2777.0**	500
HZL/1.5 HL-D BK	black	**2797.0**	500
HZL/1.5 L-D BK	black	**2997.0**	100
HZL/2.5-D BU	blue	**2778.0**	500
HZL/2.5 HL-D BU	blue	**2798.0**	500
HZL/2.5 L-D BU	blue	**2998.0**	100
HZL/4,0-D GR	grey	**2799.0**	100
HZL/4,0 L-D GR	grey	**2999.0**	100
HZL/6,0-D YE	yellow	**2800.0**	100
HZL/6,0 L-D YE	yellow	**3000.0**	100
HZL/10,0-D RD	red	**2801.0**	100
HZL/10,0 L-D RD	red	**3001.0**	100
HZL/16,0-D BU	blue	**2802.0**	50
HZL/16,0 L-D BU	blue	**3002.0**	50

T Standard

Type	Colour	Cat. no.	Qty.
HZL/0.5-D WH	white	**2794.0**	500
HZL/0.5 HL-D WH	white	**2993.0**	500
HZL/0.5 L-D WH	white	**2994.0**	500
HZL/0.75-T LB	bright blue	**3029.0**	500
HZL/0.75 HL-T LB	bright blue	**3030.0**	500
HZL/0.75 L-T LB	bright blue	**3031.0**	500
HZL/1.0-D RD	red	**2776.0**	500
HZL/1.0 HL-D RD	red	**2796.0**	500
HZL/1.0 L-D RD	red	**2996.0**	500
HZL/1.5-D BK	black	**2777.0**	500
HZL/1.5 HL-D BK	black	**2797.0**	500
HZL/1.5 L-D BK	black	**2997.0**	100
HZL/2.5-T GR	grey	**3038.0**	500
HZL/2.5 HL-T GR	grey	**3039.0**	500
HZL/2.5 L-T GR	grey	**3040.0**	100
HZL/4,0-T OG	orange	**3041.0**	100
HZL/4,0 L-T OG	orange	**3042.0**	100
HZL/6,0-T GN	green	**3043.0**	100
HZL/6,0 L-T GN	green	**3044.0**	100
HZL/10,0-T BN	brown	**3045.0**	100
HZL/10,0 L-T BN	brown	**3046.0**	100
HZL/16,0-T WH	white	**3047.0**	50
HZL/16,0 L-T WH	white	**3048.0**	50

The special shape of the plastic collar makes it easy to feed in two wires in one wire-end ferrule.



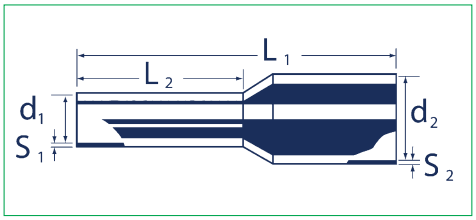
Funnel feed-in made of polypropylene. Heat resistant up to 120°C. For wires from 0.5 – 150 mm². Material: E-Cu/A-Cu, galvanically tin-plated.

DIN Standard

Type	Colour	Cat. no.	Qty.
H 0.5/14-D AWG WH	white	**3090.0**	500
H 0.75/14-D AWG GR	grey	**3091.0**	500
H 1.0/14-D AWG RD	red	**3092.0**	500
H 1.5/14-D AWG BK	black	**3093.0**	500

T Standard

Type	Colour	Cat. no.	Qty.
H 0.5/14-D AWG WH	white	**3090.0**	500
H 0.75/14-D AWG LB	bright brown	**3094.0**	500
H 1.0/14-D AWG RD	red	**3092.0**	500
H 1.5/14-D AWG BK	black	**3093.0**	500

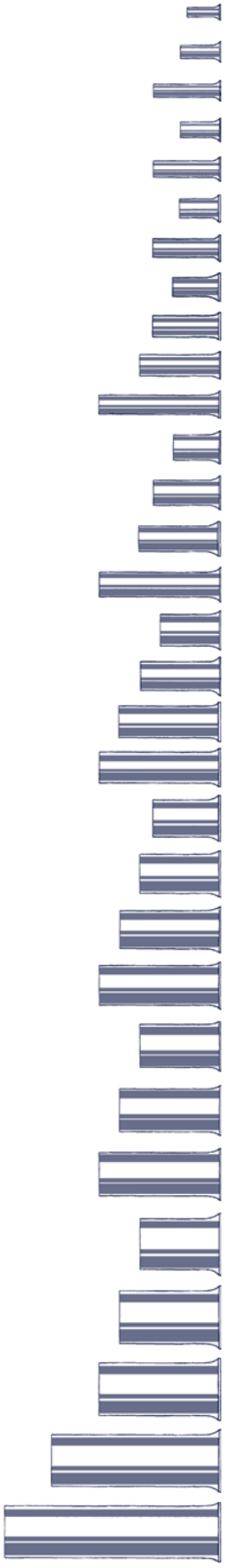


Type	Colour	Cat. no.
H 2.5/14-D SR BU	blue	**3081.0**

Type	Colour	Cat. no.	Qty.
H 2.5/14 SR GR	grey	**3095.0**	500

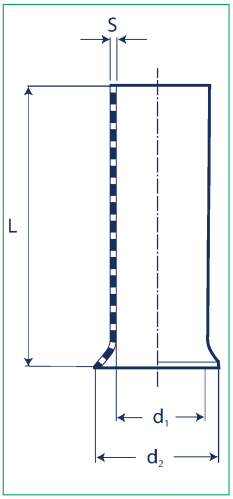
Uninsulated wire-end ferrules

Uninsulated wire-end ferrules



Cross-section mm²	AWG	Stripping length mm²	L	Dimensions, mm d_1	d_2	S	Qty.	Type	Cat. no.
0.25	24	5	5	0.80	1.65	0.15	1000	H 0.25/5	**3096.0**
0.50	20	6	6	1.00	2.10	0.15	1000	H 0.5/6	**2216.0**
0.50	20	10	10	1.00	2.10	0.15	1000	H 0.5/10	**3097.0**
0.75	18	6	6	1.20	2.30	0.15	1000	H 0.75/6	**2217.0**
0.75	18	10	10	1.20	2.30	0.15	1000	H 0.75/10	**2218.0**
1.00	17	6	6	1.40	2.50	0.15	1000	H 1.0/6	**2219.0**
1.00	17	10	10	1.40	2.50	0.15	1000	H 1.0/10	**2220.0**
1.50	16	7	7	1.70	2.80	0.15	1000	H 1.5/7	**2221.0**
1.50	16	10	10	1.70	2.80	0.15	1000	H 1.5/10	**2222.0**
1.50	16	12	12	1.70	2.80	0.15	1000	H 1.5/12	**3098.0**
1.50	16	18	18	1.70	2.80	0.15	1000	H 1.5/18	**3099.0**
2.50	14	7	7	2.20	3.40	0.15	1000	H 2.5/7	**2223.0**
2.50	14	10	10	2.20	3.40	0.15	1000	H 2.5/10	**3100.0**
2.50	14	12	12	2.20	3.40	0.15	1000	H 2.5/12	**2224.0**
2.50	14	18	18	2.20	3.40	0.15	1000	H 2.5/18	**3101.0**
4,00	12	9	9	2.80	4.00	0.20	1000	H 4,0/9	**2225.0**
4,00	12	12	12	2.80	4.00	0.20	1000	H 4,0/12	**2226.0**
4,00	12	15	15	2.80	4.00	0.20	1000	H 4,0/15	**3102.0**
4,00	12	18	18	2.80	4.00	0.20	1000	H 4,0/18	**3103.0**
6,00	10	12	12	3.50	4.70	0.20	500	H 6,0/12	**2227.0**
6,00	10	15	15	3.50	4.70	0.20	500	H 6,0/15	**2388.0**
6,00	10	15	15	3.50	4.70	0.20	500	H 6,0/15	**3104.0**
6,00	10	18	18	3.50	4.70	0.20	500	H 6,0/18	**3105.0**
10,00	8	12	12	4.50	5.80	0.20	500	H 10,0/12	**2228.0**
10,00	8	15	15	4.50	5.80	0.20	500	H 10,0/15	**2389.0**
10,00	8	18	18	4.50	5.80	0.20	500	H 10,0/18	**2229.0**
16,00	6	12	12	5,80	7.50	0.20	500	H 16,0/12	**2391.0**
16,00	6	15	15	5,80	7.50	0.20	500	H 16,0/15	**2392.0**
16,00	6	18	18	5,80	7.50	0.20	500	H 16,0/18	**2393.0**
16,00	6	25	25	5,80	7.50	0.20	500	H 16,0/25	**3106.0**
16,00	6	32	32	5,80	7.50	0.20	500	H 16,0/32	**3107.0**
25,00	4	15	15	7,30	9.50	0.20	500	H 25,0/15	**2394.0**
25,00	4	18	18	7,30	9.50	0.20	500	H 25,0/18	**2395.0**
25,00	4	25	25	7,30	9.50	0.20	500	H 25,0/25	**3108.0**
25,00	4	32	32	7,30	9.50	0.20	500	H 25,0/32	**3109.0**
35,00	2	18	18	8,30	11.00	0.20	500	H 35,0/18	**2396.0**
35,00	2	25	25	8,30	11.00	0.20	500	H 35,0/25	**3110.0**
35,00	2	32	32	8,30	11.00	0.20	500	H 35,0/32	**3111.0**
50,00	1	18	18	10.30	13.00	0.30	500	H 50,0/18	**3112.0**
50,00	1	22	22	10.30	13.00	0.30	500	H 50,0/25	**3113.0**
50,00	1	32	32	10.30	13.00	0.30	100	H 50,0/32	**2816.0**
70,00*	2/0	25	25	12.50	15.00	0.30	100	H 70,0/25	**2790.0**
70,00*	2/0	32	32	12.50	15.00	0.30	100	H 70,0/32	**3114.0**
95,00*	3/0	25	25	14.50	17.00	0.30	50	H 95,0/25	**3115.0**
95,00*	3/0	32	32	14.50	17.00	0.30	50	H 95,0/32	**2791.0**
120,00*	4/0	32	32	17,20	19.00	0.50	50	H 120,0/32	**2792.0**
150,00*	250 MCM	32	32	19.50	21.00	0.50	50	H 150,0/32	**2793.0**

Wire-end ferrules without plastic collars, acc. to DIN 46228 sheet 1/3.73.For wires from 0.5-150 mm². Material: E-Cu/A-Cu, galvanically tin-plated



* No CSA-US approval

Wire-end ferrule boxes / Assortment boxes

Wire-end ferrule boxes

LD / empty box

Type	Cat. no.	Qty.
Wire-end empty box	**2887.0**	1

Box 0.5 - 2.5 mm²
plastic box, wire-end ferrules with plastic collars
0.5 - 2.5 mm²
CONTA-CLIP-Standard

Type	Cat. no.	Qty.
Box 0.5-2.5 mm²	**2884.0**	1

Contents	Pieces	Colour	Size, mm²
H 0.5/14	50	orange	0.5
H 0.75/14	100	white	0.75
H 1.0/14	100	yellow	1.0
H 1.5/14	100	red	1.5
H 2.5/14-D	50	blue	2.5

Box 4,0 - 16 mm²
plastic box, wire-end ferrules with plastic collars
4.0 - 16 mm²
CONTA-CLIP-Standard

Type	Cat. no.	Qty.
Box 4,0-16 mm²	**2885.0**	1

Contents	Pieces	Colour	Size. mm²
H 4,0/18-D	50	grey	4.0
H 6,0/20	20	black	6.0
H 10,0/22	20	ivory	10.0
H 16,0/22	10	green	16.0

Assortment box

SK 12 / 12
Plastic box with 12 compartments

Type	Cat. no.	Qty.
SK 12/12	**2660.0**	1

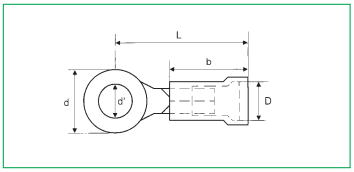
Assortment box with a variety of inserts
SK 27 with 27 inserts 110 x 42 x 35 mm
SK 50 with 50 inserts 74 x 32 x 32 mm
E 27 inserts separate for SK 27
E 50 inserts separate for SK 50

Type	Cat. no.	Qty.
SK 27	**2376.0**	
With 27 inserts		1
SK 50	**2042.0**	
With 50 inserts		1
E 27	**2377.0**	
Inserts separate for SK 27		1
E 50	**2043.0**	
Inserts separate for SK 50		1
SK	**2501.0**	
Empty assortment box		1

Insulated connector

Crimp cable lugs with ring shape — QKS

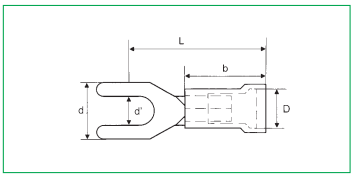
- DIN 46237
- Insulated PC
- With widened insulating sleeve



Type	Cat. no.	ID colour	Qty.	Cross-section, mm²	AWG	Dimensions, mm					Size DIN
						d_1	d	D	L	b	
QKS 1	**2534.0**	red	100	0.5-1	20-8	4.3	8	4.5	17	10	A 4-1
QKS 1	**2535.0**	red	100	0.5-1	20-8	5.3	10	4.5	18	10	A 5-1
QKS 1	**2536.0**	red	100	0.5-1	20-8	6.5	11	4.5	20	10	A 6-1
QKS 2.5	**2537.0**	blue	100	> 1-2.5	18-14	4.3	8	5.1	18	11	A 4-2.5
QKS 2.5	**2538.0**	blue	100	> 1-2.5	18-14	5.3	10	5.1	20	11	A 5-2.5
QKS 2.5	**2539.0**	blue	100	> 1-2.5	18-14	6.5	11	5.1	22	11	A 6-2.5
QKS 2.5	**2540.0**	blue	100	> 1-2.5	18-14	8.4	14	5.1	23	11	A 8-2.5
QKS 6	**2541.0**	yellow	100	> 2.5-6	14-10	4.3	8	6.4	20	12	A 4-6
QKS 6	**2542.0**	yellow	100	> 2.5-6	14-10	5.3	10	6.4	21	12	A 5-6
QKS 6	**2543.0**	yellow	100	> 2.5-6	14-10	6.5	11	6.4	22	12	A 6-6
QKS 6	**2544.0**	yellow	100	> 2.5-6	14-10	8.4	14	6.4	25	12	A 8-6

Crimp cable lugs with forked shape — QKS-G

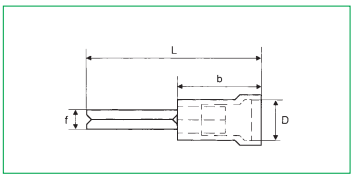
- DIN 46237
- Insulated PC
- With widened insulating sleeve



Type	Cat. no.	ID colour	Qty.	Cross-section, mm²	AWG	Dimensions, mm					Size DIN
						d^1	d	D	L	b	
QKS G 1	**3064.0**	red	100	0.5-1	20-8	4.3	6.8	4.5	12	11.5	C 4-1
QKS G 1	**3065.0**	red	100	0.5-1	20-8	5.3	10	4.5	13	11.5	C 5-1
QKS G 1	**3066.0**	red	100	0.5-1	20-8	6.5	11	4.5	15	11.5	C 6-1
QKS G 2.5	**3067.0**	blue	100	1-2.5	18-14	4.3	6.8	5.1	12	11.5	C 4-2.5
QKS G 2.5	**3068.0**	blue	100	1-2.5	18-14	5.3	10	5.1	14	11.5	C 5-2.5
QKS G 2.5	**3069.0**	blue	100	1-2.5	18-14	6.5	11	5.1	16	11.5	C 6-2.5
QKS G 6	**3070.0**	yellow	100	2.5-6	14-10	4.3	8	6.4	14	14	C 4-6
QKS G 6	**3071.0**	yellow	100	2.5-6	14-10	5.3	10	6.4	15	14	C 5-6
QKS G 6	**3072.0**	yellow	100	2.5-6	14-10	6.5	11	6.4	16	14	C 6-6
QKS G 6	**3073.0**	yellow	100	2.5-6	14-10	8.4	14.2	6.4	21	14	C 8-6

Crimp cable lugs with pin shape — SKS

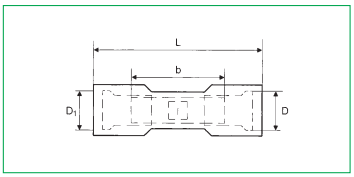
- DIN 46231
- Insulated PC
- With widened insulating sleeve



Type	Cat. no.	ID colour	Qty.	Cross-section, mm²	AWG	Dimensions, mm					Size DIN
						d^1	d	D	L	b	
SKS-1	**2545.0**	red	100	0.5-1	20-18	1.9	-	4.5	23	10	1
SKS 2.5	**2546.0**	blue	100	> 1-2.5	18-14	1.9	-	5.1	23	11	2.5
SKS 6	**2547.0**	yellow	100	> 2.5-6	14-10	2.9	-	7	26	12	6

Joint connector — STV

- Insulated PC
- With widened insulating sleeve

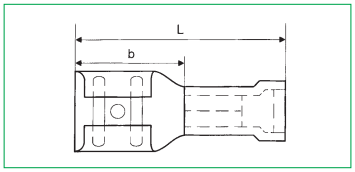


Type	Cat. no.	ID colour	Qty.	Cross-section, mm²	AWG	Dimensions, mm					Size DIN
						d^1	d	D	L	b	
STV 1	**3074.0**	red	100	0.5-1	20-18	1.6	-	3,8	25	15	1
STV 2.5	**3075.0**	blue	100	1-2.5	18-14	2.3	-	4.5	25.3	16	2.5
STV 6	**3076.0**	yellow	100	2.5-6	14-10	3.6	-	6.4	27.4	15	6

Insulated connector

Crimp cable lugs, spade shape — FSH

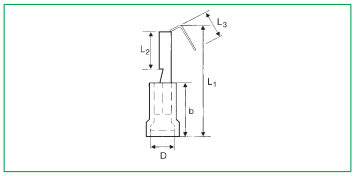
- DIN 46235 parts 1-3
- Insulated PVC
- With widened insulating sleeve

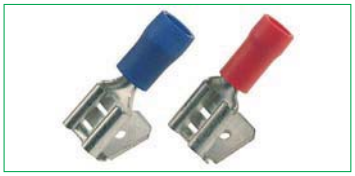


Type	Cat. no.	ID colour		Qty.	Cross-section, mm²	AWG	Dimensions, mm L	Dimensions, mm b	Plug thickness mm	Plug width mm	Size DIN
FSH 1/2.8	**2548.0**	red	●	100	0.5-1	20-18	4.3	8	4.5	17	-
FSH 1/2.8	**2549.0**	red	●	100	0.5-1	20-18	5.3	10	4.5	18	-
FSH 1/6.3	**2550.0**	red	●	100	0.5-1	20-18	6.5	11	4.5	20	6.3-1
FSH 2.5/6.3	**2551.0**	blue	●	100	>1-2.5	18-14	4.3	8	5.1	18	6.3-2.5
FSH 6/6.3	**2552.0**	yellow	●	100	>2.5-6	14-10	5.3	10	5.1	20	6.3-6

Crimp cable lugs, spade shape — FSH A

- Insulated PVC
- With branch (plug tongue)
- With widened insulating sleeve

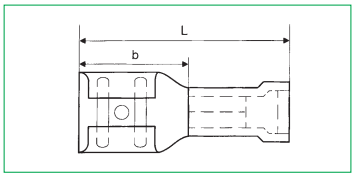




Type	Cat. no.	ID colour		Qty.	Cross-section, mm²	AWG	Dimensions, mm L_1	Dimensions, mm L_2	Dimensions, mm L_3	Plug thickness mm	Plug width mm
FSH A 1	**2555.0**	red	●	100	0.5-1	20 - 17	22	7.5	8	0.8	6.3
FSH A 2.5	**2556.0**	blue	●	100	1-2.5	17 - 14	22	7.5	8	0.8	6.3

Crimp cable lugs, spade shape / insulated — FSH

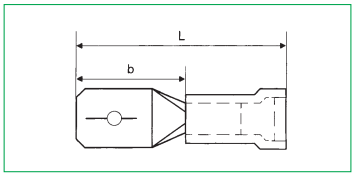
- Insulated PVC
- With widened insulating sleeve

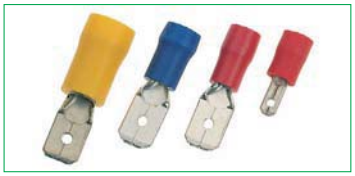


Type	Cat. no.	ID colour		Qty.	Cross-section, mm²	AWG	Dimensions, mm L_1	Dimensions, mm L_2	Dimensions, mm L_3	Plug thickness mm	Plug width mm
FSH 1	**2553.0**	red	●	100	0.5-1	20 - 18	21	7.5	-	0.8	6.3
FSH 2.5	**2554.0**	blue	●	100	>1-2.5	18 - 14	21	7.5	-	0.8	6.3

Crimp cable lug, spade shape — FST

- Insulated PVC
- With widened insulating sleeve





Type	Cat. no.	ID colour		Qty.	Cross-section, mm²	AWG	Dimensions, mm L1	Dimensions, mm L2	Dimensions, mm L3	Plug thickness mm	Plug width mm
FST 1/2.8	**2557.0**	red	●	100	0.5-1	20 - 18	14.6	5.5	-	0.8	2.8
FST 1/6.3	**2558.0**	red	●	100	0.5-1	20 - 18	22	7,5	-	0.8	6.3
FST 2.5/6.3	**2559.0**	blue	●	100	>1-2.5	18 - 14	22	7,5	-	0.8	6.3
FST 6/6.3	**2560.0**	yellow	●	100	>2.5-6	14 - 10	22	7,5	-	0.8	6.3

CONTA-BOX housing systems

CONTA-CLIP offers a wide range of housings of different sizes and materials for the protection of electronic circuitry, devices or terminals. The type of material to use is chosen based on the requirements of the application.

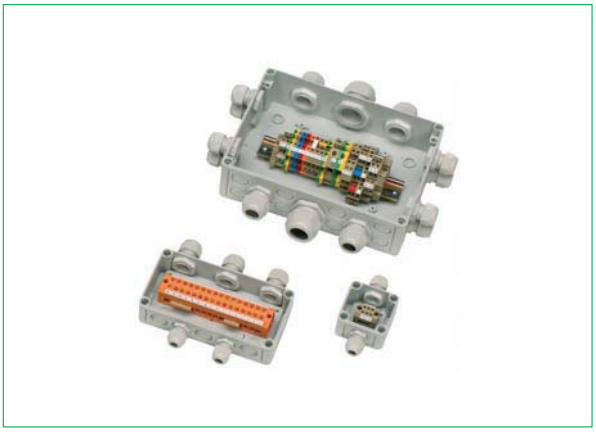
Five product lines are available:

Polystyrene

Material:	Polystyrene
Protection:	IP 66
Toxicity characteristics:	halogen-free/cadmium-free
Thermal stability:	-25° to +40°C
Flammability:	UL 94-V2
Chemical resistance:	good
Sea water resistance:	good
UV resistance:	satisfactory

Polycarbonate

Material:	Polycarbonate
Protection:	IP 66
Toxicity characteristics:	halogen-free/cadmium-free
Thermal stability:	-35°C to +80°C
Flammability:	UL 94-V2
Chemical resistance:	good
Sea water resistance:	very good
UV resistance:	good



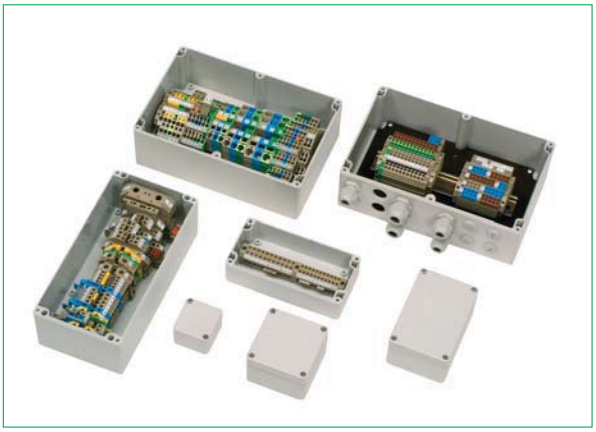
Polyester

Material:	Polyester
Protection:	IP 66
Toxicity characteristics:	halogen-free/cadmium-free
Thermal stability:	-40° to +90°C
Flammability:	UL 94-V0
Chemical resistance:	good
Sea water resistance:	very good
UV resistance:	good

Polystyrene / Polycarbonate / Polyester / ABS / Aluminium

ABS

Material:	ABS
Protection:	IP 66
Toxicity characteristics:	halogen-free/cadmium-free
Thermal stability:	-40° to +80°C
Flammability:	UL 94-HB
Chemical resistance:	good
Sea water resistance:	good
UV resistance:	satisfactory



Aluminium

Material:	Aluminium (ALSI, DIN 1725)
Protection:	IP 66
Toxicity characteristics:	halogen-free/cadmium-free
Thermal stability:	-40° to +90°C
Flammability:	
Chemical resistance:	good
Sea water resistance:	good
UV resistance:	very good

Upon request, the housings are manufactured according to customer specifications and supplemented with products from **CONTA-CONNECT** or **CONTA-CON** product lines, which are then installed on mounting plates or DIN rails.

During the manufacture of the housings, we can carry out cuttings (milling), feed-through bore holes, thread connection bore holes or painting. Cable glands or external joints can also be attached when needed.

Our consistent high level of quality is ensured by our selection of the finest materials and our continuous quality management control system.

Polystyrene housing CK

Polystyrene housing

Material: polystyrene
Protection: IP 66
Impact resistant
A comprehensive line of accessories
Options:
Metric knock-outs
Transparent polycarbonate cover

Technical data

Material	Polystyrene
Protection	IP66
Toxicity characteristics	halogen-free and cadmium-free
Flamm. class acc. to UL 94	V2
Thermal stability	-25°C to +40°C
Chemical resistance	good
Sea water resistance	good
UV resistance	satisfactory
Colour	grey, similar to RAL 7035
Impact resistance	IK07 DIN EN 5012

Outer dimensions			Dimension diagram	Grey polystyrene cover Lower section with M knock-outs		Grey polystyrene cover Lower section without M knock-outs		Polycarbonate cover, transparent Lower section with M knock-outs		Polycarbonate cover, transparent Lower section without M knock-outs	
L	W	H	Page	Type	Cat. no.	Type	Cat. no.	Type	Cat. no.	Type	Cat. no.
65	65	57	439	CK 77/57 MV	**4316.3**	CK 77/57 OV	**4201.3**	CK 77/57 MVT	**4317.3**	CK 77/57 OVT	**4203.3**
65	65	81	439	CK 77/81 MV	**4318.3**	CK 77/81 OV	**4205.3**	CK 77/81 MVT	**4319.3**	CK 77/81 OVT	**4207.3**
94	65	57	439	CK 97/57 MV	**4320.3**	CK 97/57 OV	**4209.3**	CK 97/57 MVT	**4321.3**	CK 97/57 OVT	**4211.3**
94	65	81	439	CK 97/81 MV	**4322.3**	CK 97/81 OV	**4213.3**	CK 97/81 MVT	**4323.3**	CK 97/81 OVT	**4215.3**
94	94	57	440	CK 99/57 MV	**4324.3**	CK 99/57 OV	**4217.3**	CK 99/57 MVT	**4325.3**	CK 99/57 OVT	**4219.3**
94	94	81	440	CK 99/81 MV	**4326.3**	CK 99/81 OV	**4221.3**	CK 99/81 MVT	**4327.3**	CK 99/81 OVT	**4223.3**
110	110	66	440	CK 1111/66 MV	**4328.3**	CK 1111/66 OV	**4225.3**	CK 1111/66 MVT	**4329.3**	CK 1111/66 OVT	**4227.3**
110	110	90	440	CK 1111/90 MV	**4330.3**	CK 1111/90 OV	**4229.3**	CK 1111/90 MVT	**4331.3**	CK 1111/90 OVT	**4231.3**
130	94	57	441	CK 1309/57 MV	**4332.3**	CK 1309/57 OV	**4233.3**	CK 1309/57 MVT	**4333.3**	CK 1309/57 OVT	**4235.3**
130	94	81	441	CK 1309/81 MV	**4334.3**	CK 1309/81 OV	**4237.3**	CK 1309/81MVT	**4335.3**	CK 1309/81 OVT	**4239.3**
130	130	75	441	CK 1313/75 MV	**4336.3**	CK 1313/75 OV	**4241.3**	CK 1313/75 MVT	**4337.3**	CK 1313/75 OVT	**4243.3**
130	130	99	441	CK 1313/99 MV	**4338.3**	CK 1313/99 OV	**4245.3**	CK 1313/99 MVT	**4339.3**	CK 1313/99 OVT	**4247.3**
180	94	57	442	CK 1809/57 MV	**4340.3**	CK 1809/57 OV	**4249.3**	CK 1809/57 MVT	**4341.3**	CK 1809/57 OVT	**4251.3**
180	94	81	442	CK 1809/81 MV	**4342.3**	CK 1809/81 OV	**4253.3**	CK 1809/81 MVT	**4343.3**	CK 1809/81 OVT	**4255.3**
180	110	90	442	CK 1811/90 MV	**4344.3**	CK 1811/90 OV	**4257.3**	CK 1811/90 MVT	**4345.3**	CK 1811/90 OVT	**4259.3**
180	110	111	442	CK 1811/111 MV	**4346.3**	CK 1811/111 OV	**4261.3**	CK 1811/111 MVT	**4347.3**	CK 1811/111 OVT	**4263.3**
180	110	165	442	CK 1811/165 MV	**4348.3**	CK 1811/165 OV	**4265.3**	CK 1811/165 MVT	**4349.3**	CK 1811/165 OVT	**4267.3**
182	180	90	443	CK 1818/90 MV	**4350.3**	CK 1818/90 OV	**4269.3**	CK 1818/90 MVT	**4351.3**	CK 1818/90 OVT	**4271.3**
182	180	111	443	CK 1818/111 MV	**4352.3**	CK 1818/111 OV	**4273.3**	CK 1818/111 MVT	**4353.3**	CK 1818/111 OVT	**4275.3**
182	180	165	443	CK 1818/165 MV	**4354.3**	CK 1818/165 OV	**4277.3**	CK 1818/165 MVT	**4355.3**	CK 1818/165 OVT	**4279.3**
254	180	63	443	CK 2518/63 MV	**4356.3**	CK 2518/63 OV	**4194.3**	CK 2518/63 MVT	**4357.3**	CK 2518/63 OVT	**4195.3**
254	180	84	443	CK 2518/84 MV	**4358.3**	CK 2518/84 OV	**4196.3**	CK 2518/84 MVT	**4359.3**	CK 2518/84 OVT	**4197.3**
254	180	90	444	CK 2518/90 MV	**4360.3**	CK 2518/90 OV	**4285.3**	CK 2518/90 MVT	**4361.3**	CK 2518/90 OVT	**4287.3**
254	180	111	444	CK 2518/111 MV	**4362.3**	CK 2518/111 OV	**4289.3**	CK 2518/111 MVT	**4363.3**	CK 2518/111 OVT	**4291.3**
254	180	165	444	CK 2518/165 MV	**4364.3**	CK 2518/165 OV	**4293.3**	CK 2518/165 MVT	**4365.3**	CK 2518/165 OVT	**4295.3**
254	180	215	444			CK 2518/215 OV	**4297.3**			CK 2518/215 OVT	**4299.3**
361	254	111	445	CK 3625/111 MV	**4366.3**	CK 3625/111 OV	**4301.3**	CK 3625/111 MVT	**4367.3**	CK 3625/111 OVT	**4303.3**
361	254	165	445	CK 3625/165 MV	**4368.3**	CK 3625/165 OV	**4305.3**	CK 3625/165 MVT	**4369.3**	CK 3625/165 OVT	**4307.3**

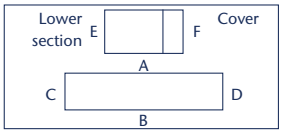
Polystyrene housing CK

Polystyrene housing CK 77/57
Polystyrene housing CK 77/81

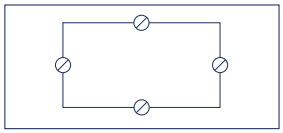
Outer dimensions, mm	65 x 65 x 57
Weight, g	85
Outer dimensions, mm	65 x 65 x 81
Weight, g	120

Threaded drill hole options

Without knock-outs



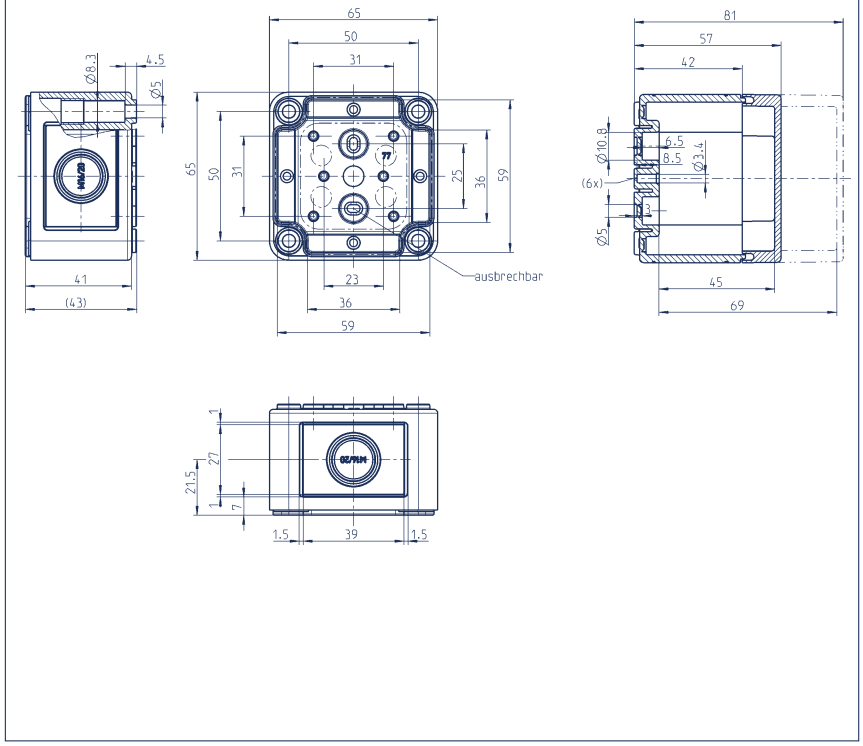
With metric knock-outs



M	A/B	C/D	Knock-outs	A/B	C/D
12	2	2	M16/20	1	1
16	1	1	-	-	-
20	1	1	-	-	-
25	-	-	-	-	-
32	-	-	-	-	-
40	-	-	-	-	-
50	-	-	-	-	-

Accessories		Qty
DIN rail section TS 15	TS 15 / 49.5mm long	
Cat. no.	**4559.0**	
DIN rail section TS 35		1
Cat. no.		
Mounting plate MP	MP /CK 77	
Cat. no.	**4511.0**	
Wall brackets WL	WL /CK	1
Cat. no.	**4512.1**	
External hinges (pair) AG	AG/CK 77-CK 1809	1
Cat. no.	**4512.2**	
		1

Dimension diagram

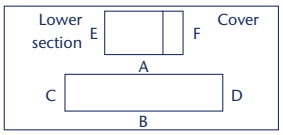


Polystyrene housing CK 97/57
Polystyrene housing CK 97/81

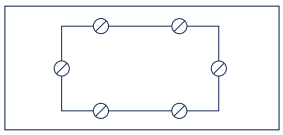
Outer dimensions, mm	97 x 65 x 57
Weight, g	120
Outer dimensions, mm	94 x 65 x 81
Weight, g	147

Threaded drill hole options

Without knock-outs



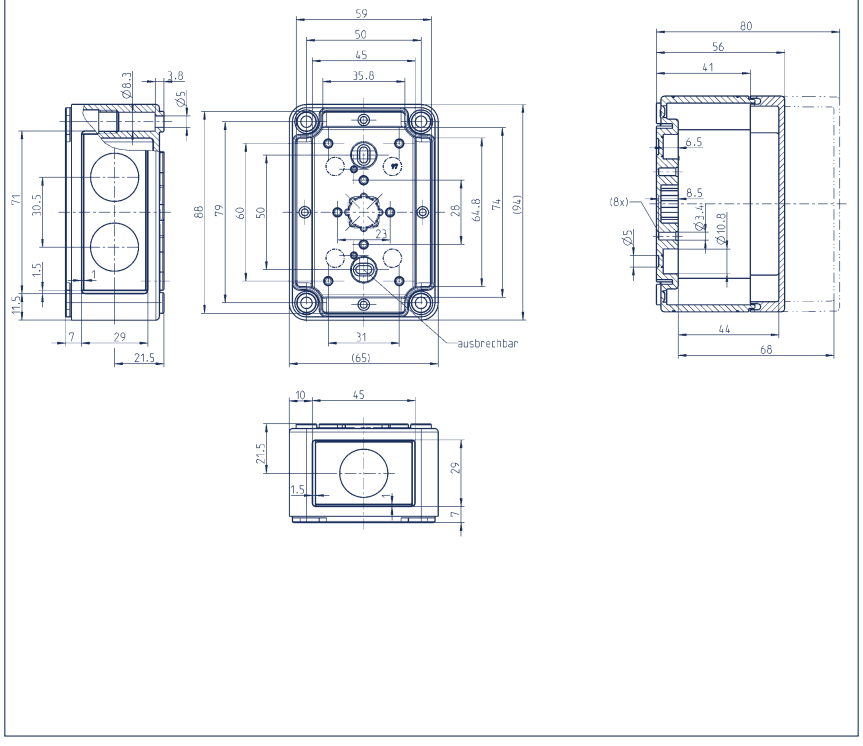
With metric knock-outs



M	A/B	C/D	Knock-outs	A/B	C/D
12	3	2	M16/20	2	1
16	2	1	-	-	-
20	2	1	-	-	-
25	1	1	-	-	-
32	-	-	-	-	-
40	-	-	-	-	-
50	-	-	-	-	-

Accessories		Qty
DIN rail section TS 15	TS 15 / 80 mm long	
Cat. no.	**4559.1**	
DIN rail section TS 35		1
Cat. no.		
Mounting plate MP	MP /CK 97	
Cat. no.	**4511.1**	
Wall brackets WL	WL /CK	1
Cat. no.	**4512.1**	
External hinges (pair) AG	AG/CK 77-CK 1809	1
Cat. no.	**4512.2**	
		1

Dimension diagram



Knock-outs: ● =M12/16 ⊘ =M16/20 ○ =M20
◎ =M20/25 ⊗ =M25/32 ◉ =M32/40

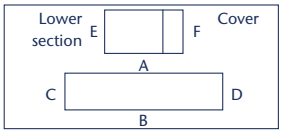
Polystyrene housing CK

Polystyrene housing CK 99/57
Polystyrene housing CK 99/81

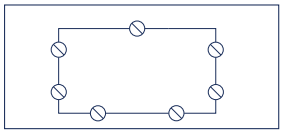
Outer dimensions, mm	94 x 94 x 57
Weight, g	127
Outer dimensions, mm	94 x 94 x 81
Weight, g	193

Threaded drill hole options

Without knock-outs



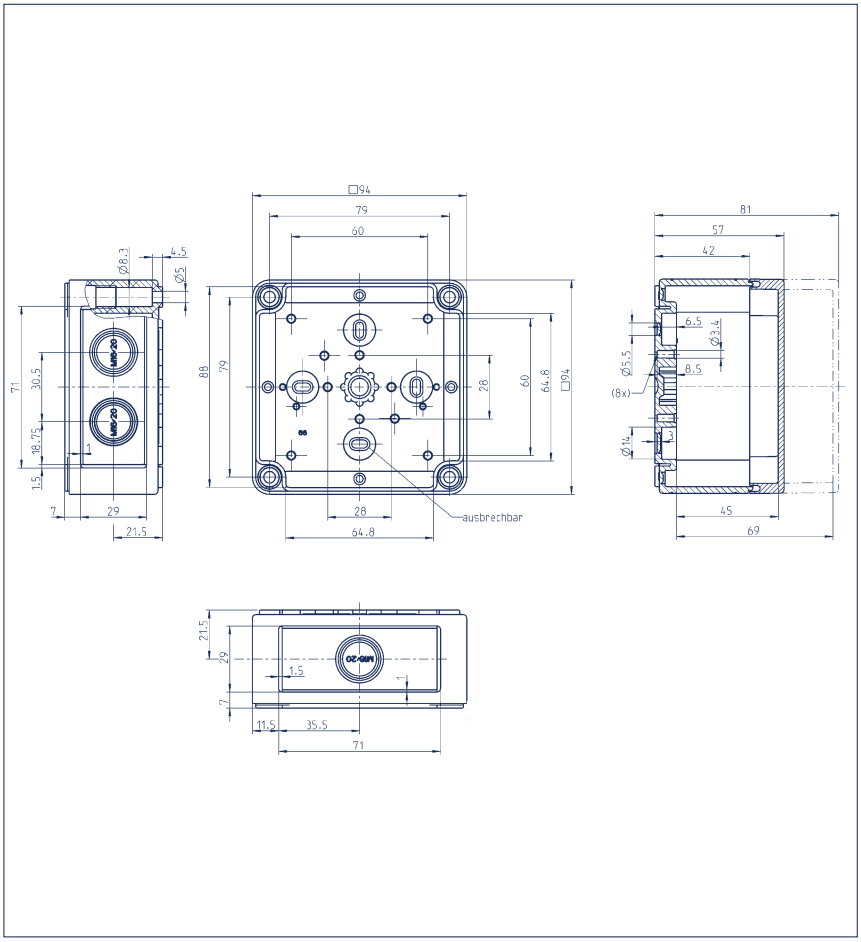
With metric knock-outs



M	A/B	C/D	Knock-outs	A	B/C/D
12	3	3	M16/20	1	2
16	2	3	-	-	-
20	2	2	-	-	-
25	-	-	-	-	-
32	-	-	-	-	-
40	-	-	-	-	-
50	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 80 mm long	
Cat. no.	**4559.1**	1
DIN rail section TS 35		
Cat. no.		
Mounting plate MP	MP /CK 99	
Cat. no.	**4511.2**	1
Wall brackets WL	WL /CK	
Cat. no.	**4512.1**	1
External hinges (pair) AG	AG/CK 77-CK 1809	
Cat. no.	**4512.2**	1

Dimension diagram

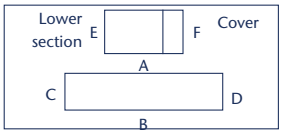


Polystyrene housing CK 1111/66
Polystyrene housing CK 1111/90

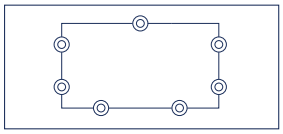
Outer dimensions, mm	110 x 110 x 66
Weight, g	181
Outer dimensions, mm	110 x 110 x 90
Weight, g	242

Threaded drill hole options

Without knock-outs



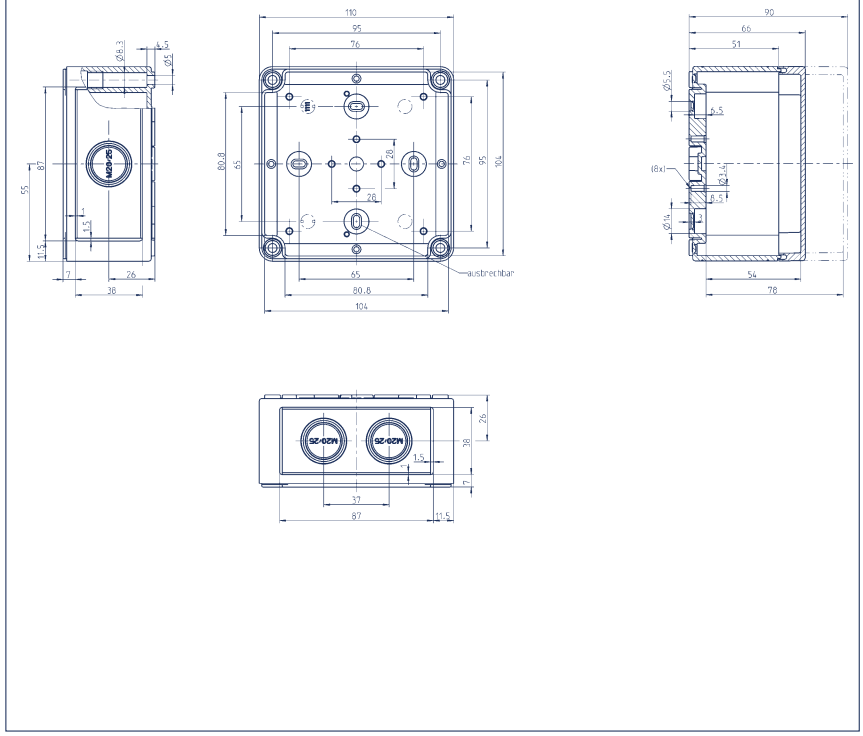
With metric knock-outs



M	A/B	C/D	Knock-outs	A	B/C/D
12	8	8	M20/25	1	2
16	4	4	-	-	-
20	2	2	-	-	-
25	2	2	-	-	-
32	-	-	-	-	-
40	-	-	-	-	-
50	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 92 mm long	
Cat. no.	**4559.2**	1
DIN rail section TS 35	TS 35 / 81 mm long	
Cat. no.	**4559.3**	
Mounting plate MP	MP /CK 1111	
Cat. no.	**4511.3**	1
Wall brackets WL	WL /CK	
Cat. no.	**4512.1**	1
External hinges (pair) AG	AG/CK 77-CK 1809	
Cat. no.	**4512.2**	1

Dimension diagram



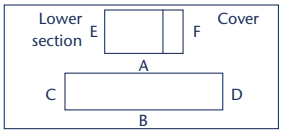
Knock-outs: ● =M12/16 ⊘ =M16/20 ○ =M20
◎ =M20/25 ⊗ =M25/32 ◉ =M32/40

Polystyrene housing CK 1309/57
Polystyrene housing CK 1309/81

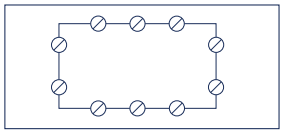
Outer dimensions, mm	130 x 94 x 57
Weight, g	153
Outer dimensions, mm	130 x 94 x 81
Weight, g	200

Threaded drill hole options

Without knock-outs



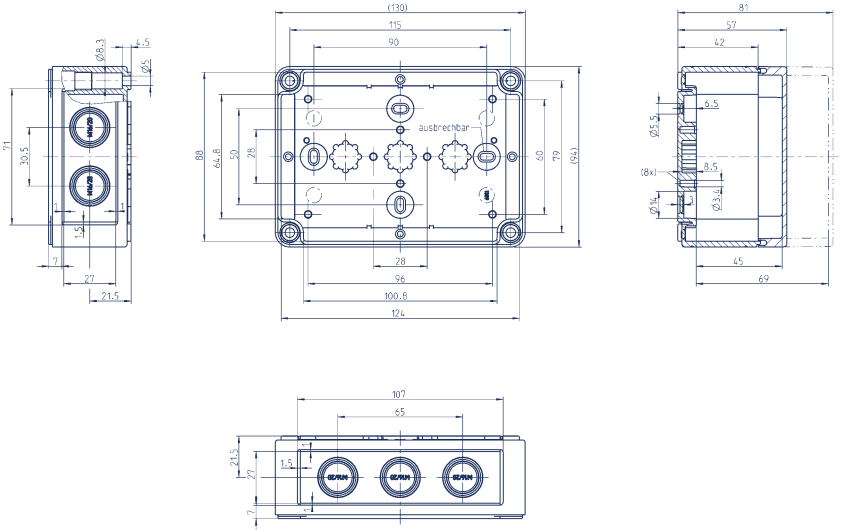
With metric knock-outs



M	A/B	C/D	Knock-outs	A/B	C/D
12	5	3	M16/20	3	2
16	4	2	-	-	-
20	3	2	-	-	-
25	2	1	-	-	-
32	-	-	-	-	-
40	-	-	-	-	-
50	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 111 mm long	
Cat. no.	**4559.4**	1
DIN rail section TS 35	TS 35 / 106 mm long	
Cat. no.	**4559.5**	1
Mounting plate MP	MP /CK 1309	
Cat. no.	**4511.4**	1
Wall brackets WL	WL /CK	
Cat. no.	**4512.1**	1
External hinges (pair) AG	AG/CK 77-CK 1809	
Cat. no.	**4512.2**	1

Dimension diagram

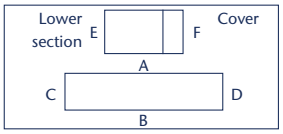


Polystyrene housing CK 1313/75
Polystyrene housing CK 1313/99

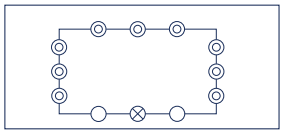
Outer dimensions, mm	130 x 130 x 75
Weight, g	243
Outer dimensions, mm	130 x 130 x 99
Weight, g	350

Threaded drill hole options

Without knock-outs



With metric knock-outs

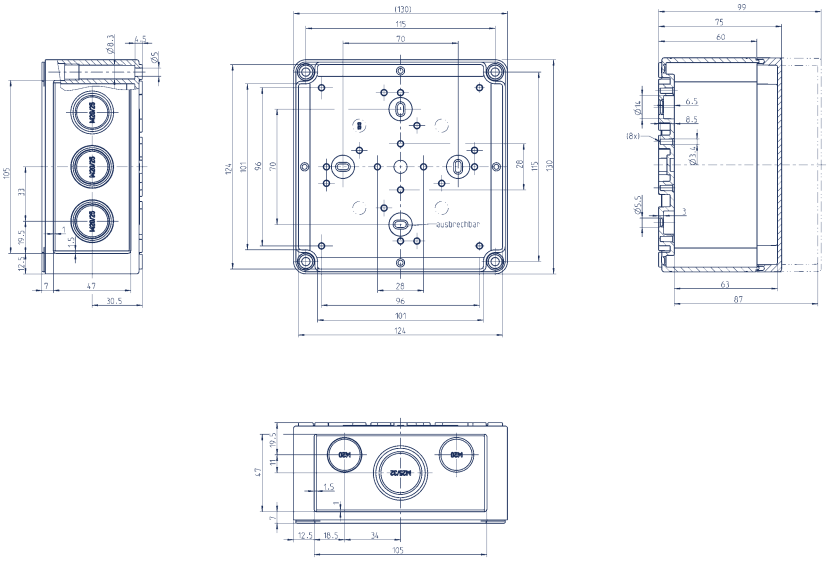


M	A/B	C/D	Knock-outs	A	B/C/D
12	10	10	M20	2	-
16	6	6	M20/25	-	3
20	3	3	M25/32	1	-
25	2	3	-	-	-
32	2	2	-	-	-
40	-	-	-	-	-
50	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 111 mm long	
Cat. no.	**4559.4**	1
DIN rail section TS 35	TS 35 / 106 mm long	
Cat. no.	**4559.5**	1
Mounting plate MP	MP /CK 1313	
Cat. no.	**4511.5**	1
Wall brackets WL	WL /CK	
Cat. no.	**4512.1**	1
External hinges (pair) AG	AG/CK1811-CK 1809	
Cat. no.	**4512.2**	1

Knock-outs: ● =M12/16 ⊘ =M16/20 ○ =M20
◎ =M20/25 ⊗ =M25/32 ◉ =M32/40

Dimension diagram



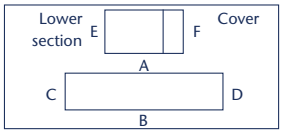
Polystyrene housing CK

Polystyrene housing CK 1809/57
Polystyrene housing CK 1809/81

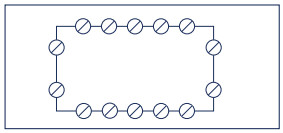
Outer dimensions, mm	180 x 94 x 57
Weight, g	212
Outer dimensions, mm	180 x 94 x 81
Weight, g	277

Threaded drill hole options

Without knock-outs



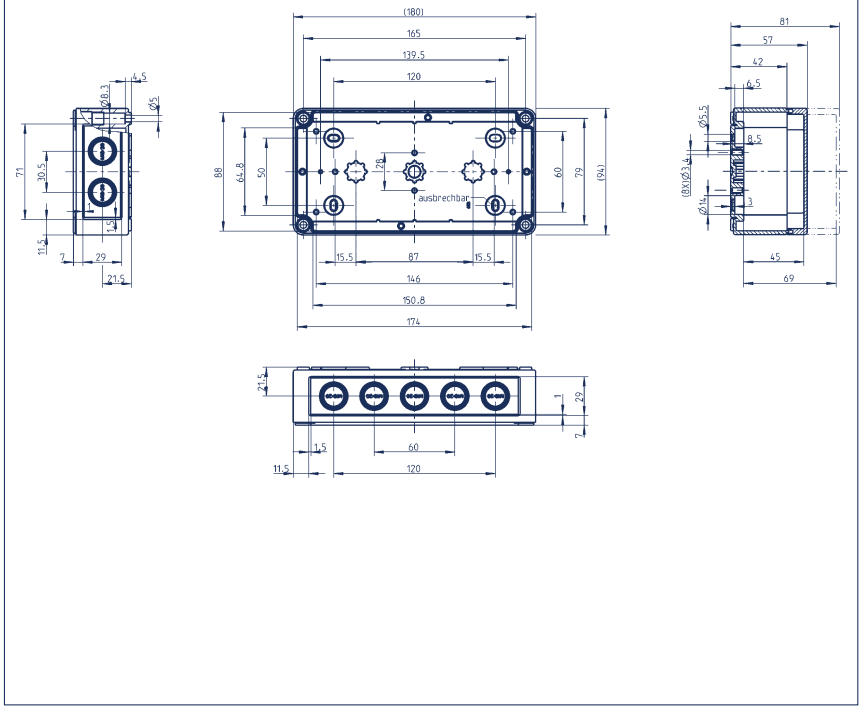
With metric knock-outs



M	A/B	C/D	Knock-outs	A/B	C/D
12	8	3	M16/20	5	2
16	6	2	-	-	-
20	5	2	-	-	-
25	4	1	-	-	-
32	-	-	-	-	-
40	-	-	-	-	-
50	-	-	-	-	-

Accessories	Qty.
DIN rail section TS 15	TS 15 / 154 mm long
Cat. no.	**4559.6** 1
DIN rail section TS 35	TS 35 / 144 mm long
Cat. no.	**4507.4** 1
Mounting plate MP	MP /CK 1809
Cat. no.	**4511.6** 1
Wall brackets WL	WL /CK
Cat. no.	**4512.1** 1
External hinges (pair) AG	AG/CK 77-CK 1809
Cat. no.	**4512.2** 1

Dimension diagram

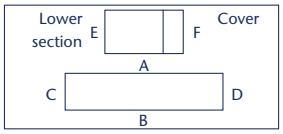


Polystyrene housing CK 1811/90
Polystyrene housing CK 1811/111
Polystyrene housing CK 1811/165

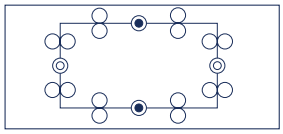
Outer dimensions, mm	180 x 110 x 90
Weight, g	344
Outer dimensions, mm	180 x 110 x 111
Weight, g	383
Outer dimensions, mm	180 x 110 x 165
Weight, g	513

Threaded drill hole options

Without knock-outs



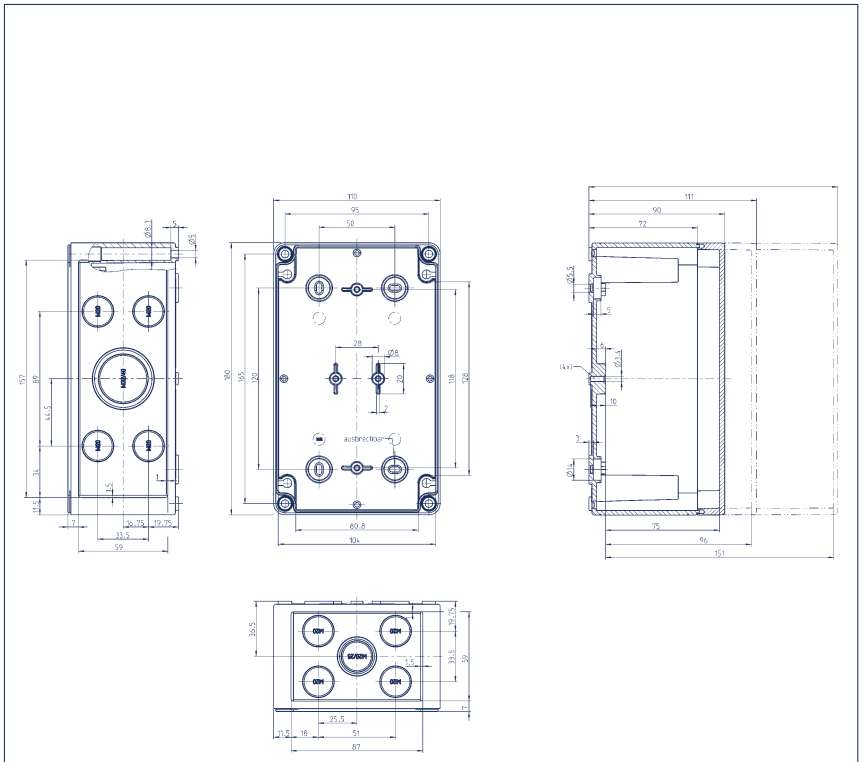
With metric knock-outs



M	A/B	C/D	Knock-outs	A/B	C/D
12	20	12	M20	4	4
16	10	6	M20/25	-	1
20	8	5	M32/40	1	-
25	5	3	-	-	-
32	3	1	-	-	-
40	2	1	-	-	-
50	1	1	-	-	-

Accessories	Qty.
DIN rail section TS 15	
Cat. no.	
DIN rail section TS 35	TS 35 / 144 mm long
Cat. no.	**4507.4** 1
Mounting plate MP	MP /CK 1811
Cat. no.	**4511.7** 1
Wall brackets WL	WL /CK
Cat. no.	**4512.1** 1
External hinges (pair) AG	AG/CK 1811-CK 3625
Cat. no.	**4512.3** 1

Dimension diagram



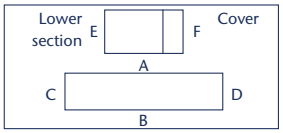
Knock-outs: ● =M12/16 ⊘ =M16/20 ○ =M20
◎ =M20/25 ⊗ =M25/32 ◉ =M32/40

Polystyrene housing CK 1818/90
Polystyrene housing CK 1818/111
Polystyrene housing CK 1818/165

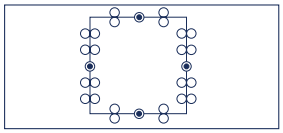
Outer dimensions, mm	182 x 180 x 90
Weight, g	475
Outer dimensions, mm	182x 180 x 111
Weight, g	525
Outer dimensions, mm	182 x 180 x 165
Weight, g	675

Threaded drill hole options

Without knock-outs



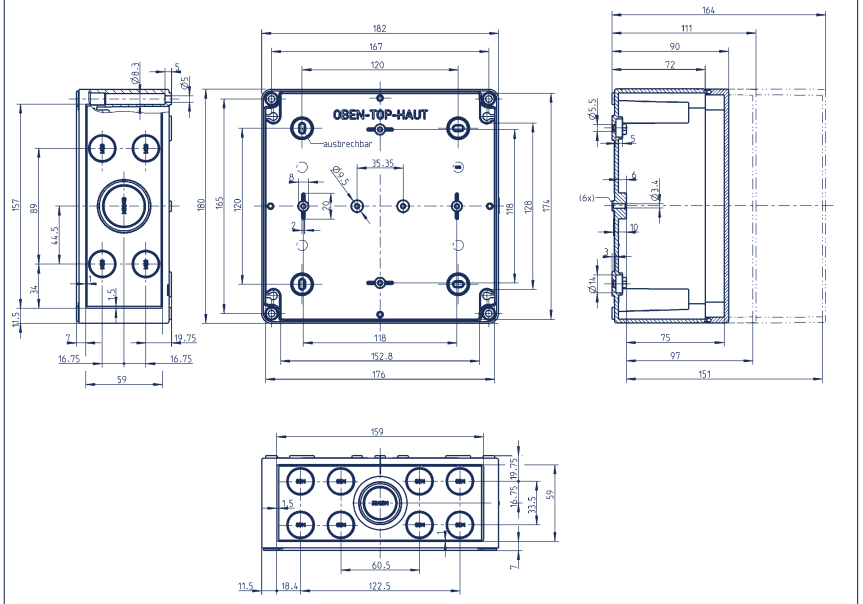
With metric knock-outs



M	A/B	C/D	Knock-outs	A/B	C/D
12	23	20	M20	8	4
16	12	10	M32/40	1	1
20	10	8	-	-	-
25	5	5	-	-	-
32	3	3	-	-	-
40	3	2	-	-	-
50	2	1	-	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 144 mm long **4507.4**	1
Mounting plate MP **Cat. no.**	MP /CK 1818 **4511.8**	1
Wall brackets WL **Cat. no.**	WL /CK **4512.1**	1
External hinges (pair) AG **Cat. no.**	AG/CK 1811-CK 3625 **4512.3**	1

Dimension diagram

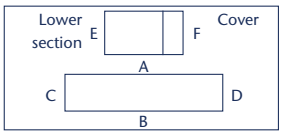


Polystyrene housing CK 2518/63
Polystyrene housing CK 2518/84

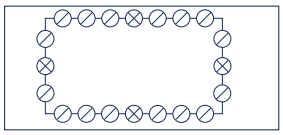
Outer dimensions, mm	254 x 180 x 63
Weight, g	575
Outer dimensions, mm	254 x 180 x 84
Weight, g	575

Threaded drill hole options

Without knock-outs



With metric knock-outs

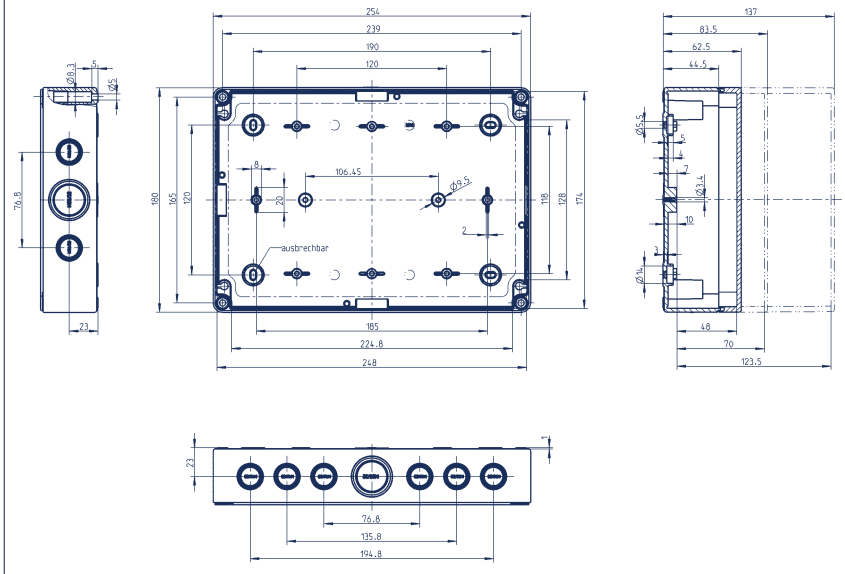


M	A/B	C/D	Knock-outs	A/B	C/D
12	22	12	M16/20	6	2
16	10	5	M25/32	1	1
20	7	4	-		
25	6	3	-		
32	1	1	-		
40	-	-	-		
50	-	-	-		

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 144 mm long **4507.4**	1
Mounting plate MP **Cat. no.**	MP /CK 2518 **4511.9**	1
Wall brackets WL **Cat. no.**	WL /CK **4512.1**	1
External hinges (pair) AG **Cat. no.**	AG/CK1811-CK 3625 **4512.3**	1

Knock-outs: ● =M12/16 ⊘ =M16/20 ○ =M20
◎ =M20/25 ⊗ =M25/32 ◉ =M32/40

Dimension diagram



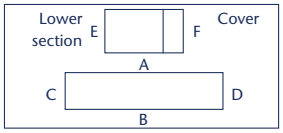
Polystyrene housing CK

Polystyrene housing CK 2518/90
Polystyrene housing CK 2518/111

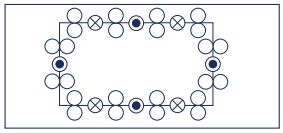
Outer dimensions, mm	254 x 180 x 90
Weight, g	638
Outer dimensions, mm	254 x 180 x 111
Weight, g	700

Threaded drill hole options

Without knock-outs



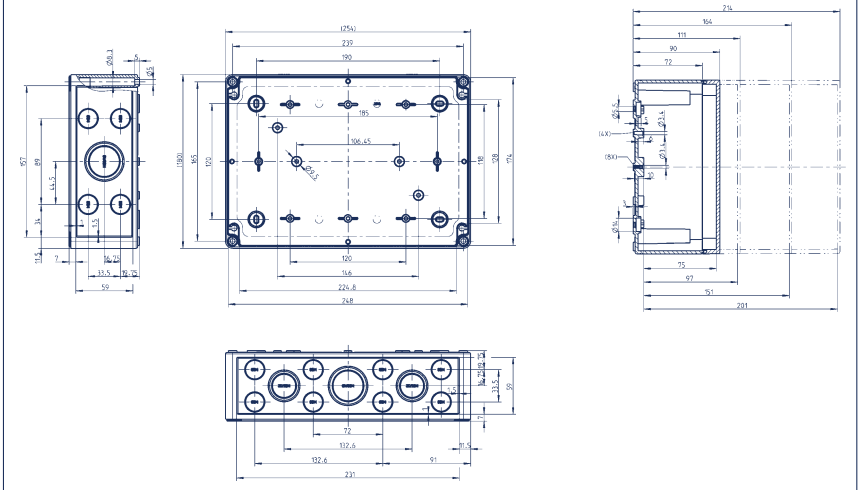
With metric knock-outs



M	A/B	C/D	Knock-outs	A/B	C/D
12	33	20	M20	8	4
16	18	10	M25/32	2	-
20	14	5	M32/40	1	1
25	11	3	-	-	-
32	5	2	-	-	-
40	4	1	-	-	-
50	3	-	-	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 144 mm long **4507.4**	1
Mounting plate MP **Cat. no.**	MP /CK 2518 **4511.9**	1
Wall brackets WL **Cat. no.**	WL /CK **4512.1**	1
External hinges (pair) AG **Cat. no.**	AG/CK 1811-CK 3625 **4512.3**	1

Dimension diagram

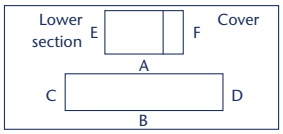


Polystyrene housing CK 2518/165
Polystyrene housing CK 2518/215

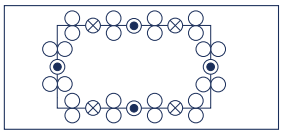
Outer dimensions, mm	254 x 180 x 165
Weight, g	850
Outer dimensions, mm	254 x 180 x 215
Weight, g	1000

Threaded drill hole options

Without knock-outs



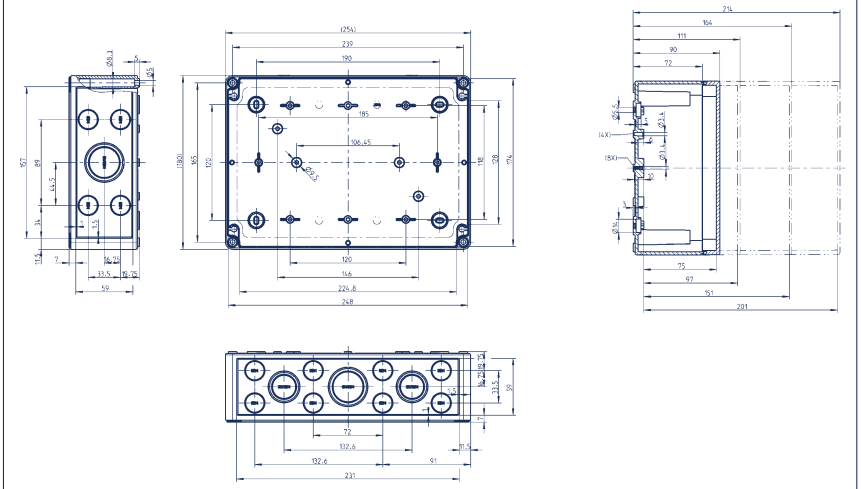
With metric knock-outs



M	A/B	C/D	Knock-outs	A/B	C/D
12	33	20	M20	8	4
16	18	10	M25/32	2	-
20	14	5	M32/40	1	1
25	11	3	-	-	-
32	5	2	-	-	-
40	4	1	-	-	-
50	3	-	-	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 144 mm long **4507.4**	1
Mounting plate MP **Cat. no.**	MP /CK 2518 **4511.9**	1
Wall brackets WL **Cat. no.**	WL /CK **4512.1**	1
External hinges (pair) AG **Cat. no.**	AG/CK 1811-CK 3625 **4512.3**	1

Dimension diagram



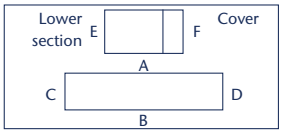
Knock-outs: ● =M12/16 ⊘ =M16/20 ○ =M20
◎ =M20/25 ⊗ =M25/32 ◉ =M32/40

Polystyrene housing CK 3625/111
Polystyrene housing CK 3625/165

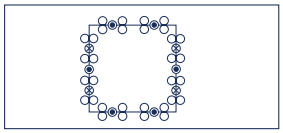
Outer dimensions, mm	361x 254 x 111
Weight, g	1167
Outer dimensions, mm	361 x 254 x 165
Weight, g	1550

Threaded drill hole options

Without knock-outs



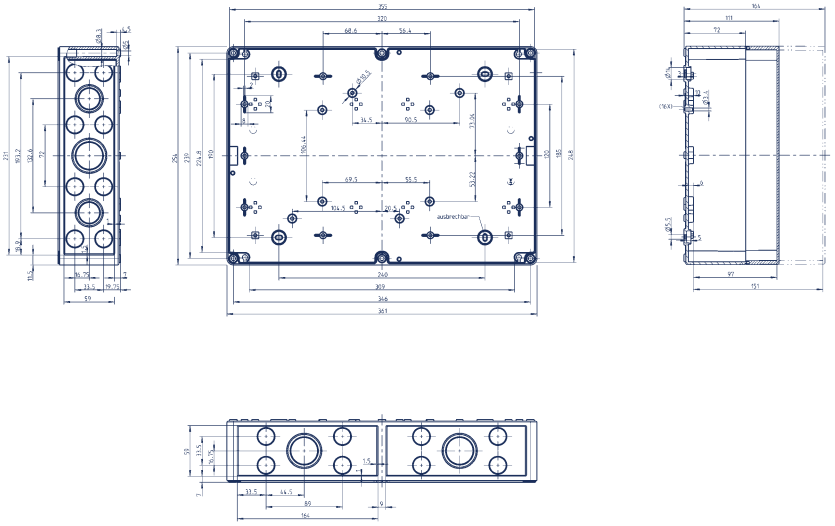
With metric knock-outs



M	A/B	C/D	Knock-outs	A/B	C/D
12	42	33	M20	8	8
16	24	18	M25/32	-	2
20	16	14	M32/40	2	1
25	8	11	-	-	-
32	6	5	-	-	-
40	4	4	-	-	-
50	4	3	-	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 336 mm long **4559.8**	1
Mounting plate MP **Cat. no.**	MP /CK 3625 **4512.0**	1
Wall brackets WL **Cat. no.**	WL /CK **4512.1**	1
External hinges (pair) AG **Cat. no.**	AG/CK 1811-CK 3625 **4512.3**	1

Dimension diagram

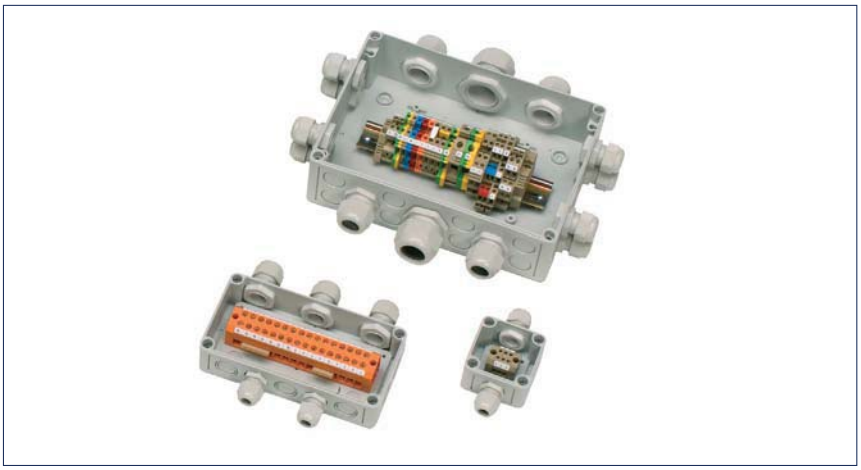


Knock-outs: ● =M12/16 ⊘ =M16/20 ○ =M20 ◎ =M20/25 ⊗ =M25/32 ◉ =M32/40

Polycarbonate housing CK-PC

Polycarbonate housing

Material: Glass-fibre reinforced polycarbonate
Protection: IP 66
Impact resistant
A comprehensive line of accessories
Metric knock-outs



Technical data

Material	Polycarbonate
Protection	IP66
Toxicity characteristics	halogen-free and cadmium-free
Flamm. class acc. to UL 94	V2
Thermal stability	-35°C to +80°C
Chemical resistance	good
Sea water resistance	very good
UV resistance	good
Colour	grey, similar to RAL 7035
Impact resistance	IK08 DIN EN 5012

Outer dimensions			Dimension diagram
L	W	H	Page
65	50	35	447
65	65	57	447
65	65	81	447
94	65	57	448
94	65	81	448
94	94	57	448
94	94	81	448
110	110	66	449
110	110	90	449
130	94	57	449
130	94	81	449
130	130	75	450
130	130	99	450
180	94	57	450
180	94	81	450
180	110	90	451
180	110	111	451
180	110	165	451
182	180	90	451
182	180	111	451
182	180	165	451
254	180	63	452
254	180	84	452
254	180	90	452
254	180	111	452
254	180	165	452
361	254	111	453
361	254	165	453

Grey polycarbonate cover with metric knock-outs	
Type	Cat. no.
CK-PC 75/35 MV	**4370.2**
CK-PC 77/57 MV	**4372.2**
CK-PC 77/81 MV	**4374.2**
CK-PC 97/57 MV	**4376.2**
CK-PC 97/81 MV	**4378.2**
CK-PC 99/57 MV	**4380.2**
CK-PC 99/81 MV	**4382.2**
CK-PC 1111/66 MV	**4384.2**
CK-PC 1111/90 MV	**4386.2**
CK-PC 1309/57 MV	**4388.2**
CK-PC 1309/81MV	**4390.2**
CK-PC 1313/75 MV	**4392.2**
CK-PC 1313/99 MV	**4394.2**
CK-PC 1809/57 MV	**4396.2**
CK-PC 1809/81 MV	**4398.2**
CK-PC 1811/90 MV	**4400.2**
CK-PC 1811/111 MV	**4402.2**
CK-PC 1811/165 MV	**4404.2**
CK-PC 1818/90 MV	**4406.2**
CK-PC 1818/111 MV	**4408.2**
CK-PC 1818/165 MV	**4410.2**
CK-PC 2518/63 MV	**4412.2**
CK-PC 2518/84 MV	**4416.2**
CK-PC 2518/90 MV	**4420.2**
CK-PC 2518/111 MV	**4422.2**
CK-PC 2518/165 MV	**4424.2**
CK-PC 3625/111 MV	**4428.2**
CK-PC 3625/165 MV	**4430.2**

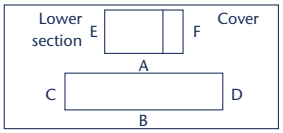
Transparent polycarbonate cover with metric knock-outs	
Type	Cat. no.
CK-PC 75/35 MVT	**4371.2**
CK-PC 77/57 MVT	**4373.2**
CK-PC 77/81 MVT	**4375.2**
CK-PC 97/57 MVT	**4377.2**
CK-PC 97/81 MVT	**4379.2**
CK-PC 99/57 MVT	**4381.2**
CK-PC 99/81 MVT	**4383.2**
CK-PC 1111/66 MVT	**4385.2**
CK-PC 1111/90 MVT	**4387.2**
CK-PC 1309/57 MVT	**4389.2**
CK-PC 1309/81MVT	**4391.2**
CK-PC 1313/75 MVT	**4393.2**
CK-PC 1313/99 MVT	**4395.2**
CK-PC 1809/57 MVT	**4397.2**
CK-PC 1809/81 MVT	**4399.2**
CK-PC 1811/90 MVT	**4401.2**
CK-PC 1811/111 MVT	**4403.2**
CK-PC 1811/165 MVT	**4405.2**
CK-PC 1818/90 MVT	**4407.2**
CK-PC 1818/111 MVT	**4409.2**
CK-PC 1818/165 MVT	**4411.2**
CK-PC 2518/63 MVT	**4414.2**
CK-PC 2518/84 MVT	**4418.2**
CK-PC 2518/90 MVT	**4421.2**
CK-PC 2518/111 MVT	**4423.2**
CK-PC 2518/165 MVT	**4425.2**
CK-PC 3625/111 MVT	**4429.2**
CK-PC 3625/165 MVT	**4431.2**

Polycarbonate housing CK-PC 75/35

Outer dimensions, mm	65 x 50 x 35
Weight, g	75

Threaded drill hole options

Without knock-outs

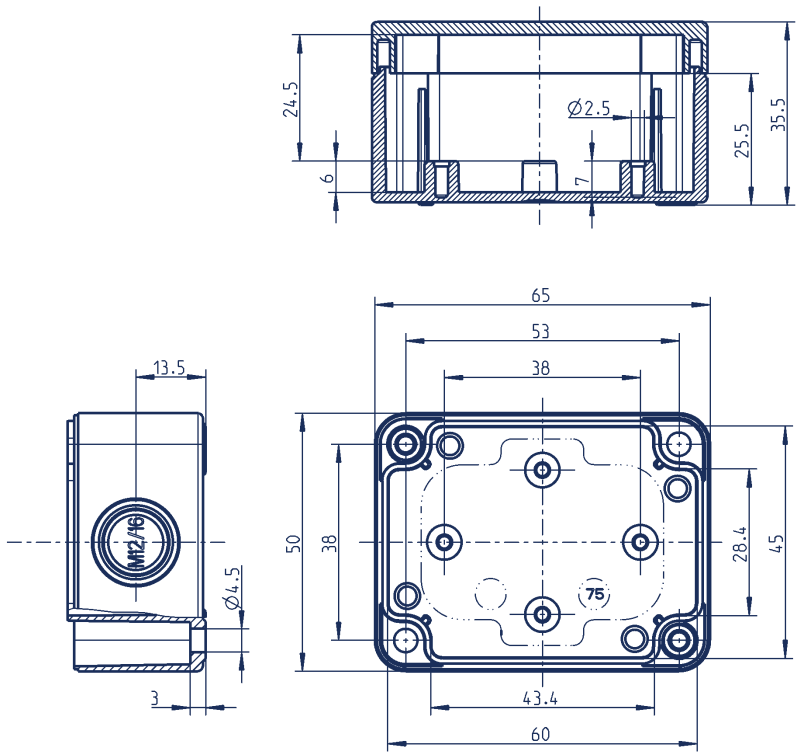


With metric knock-outs

M	A/B	C/D	Knock-outs	A/B	C/D
12	-	-	M16/20	-	-
16	-	-	-	-	-
20	-	-	-	-	-
25	-	-	-	-	-
32	-	-	-	-	-
40	-	-	-	-	-
50	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**		
Mounting plate MP **Cat. no.**	MP /CK 1811 **4511.7**	1
Exterior mounting plate **Cat. no.**	ABP /CK **4564.3**	1
External hinges (pair) AG **Cat. no.**		

Dimension diagram

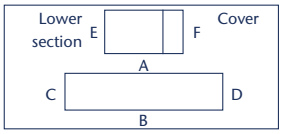


Polycarbonate housing CK-PC 77/57
Polycarbonate housing CK-PC 77/81

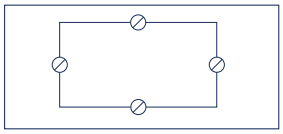
Outer dimensions, mm	65 x 65 x 57
Weight, g	85
Outer dimensions, mm	65 x 65 x 81
Weight, g	120

Threaded drill hole options

Without knock-outs



With metric knock-outs

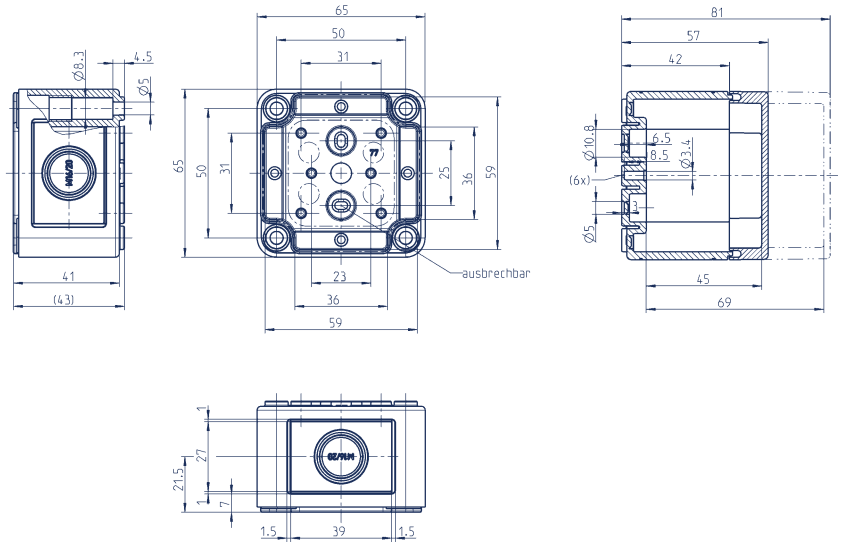


M	A/B	C/D	Knock-outs	A/B	C/D
12	-	-	M16/20	1	1
16	-	-	-	-	-
20	-	-	-	-	-
25	-	-	-	-	-
32	-	-	-	-	-
40	-	-	-	-	-
50	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**	TS 15/49, 5 mm long **4559.0**	1
DIN rail section TS 35 **Cat. no.**		
Mounting plate MP **Cat. no.**	MP /CK 77 **4511.0**	1
Wall brackets WL **Cat. no.**	WL /CK **4512.1**	1
External hinges (pair) AG **Cat. no.**	AG/CK 77-CK 1809 **4512.2**	1

Knock-outs: ● =M12/16 ⊘ =M16/20 ○ =M20
◎ =M20/25 ⊗ =M25/32 ◉ =M32/40

Dimension diagram



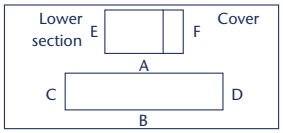
Polycarbonate housing CK-PC

Polycarbonate housing CK-PC 97/57
Polycarbonate housing CK-PC 97/81

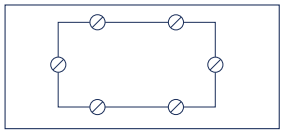
Outer dimensions, mm	94 x 65 x 57
Weight, g	120
Outer dimensions, mm	94 x 65 x 81
Weight, g	147

Threaded drill hole options

Without knock-outs



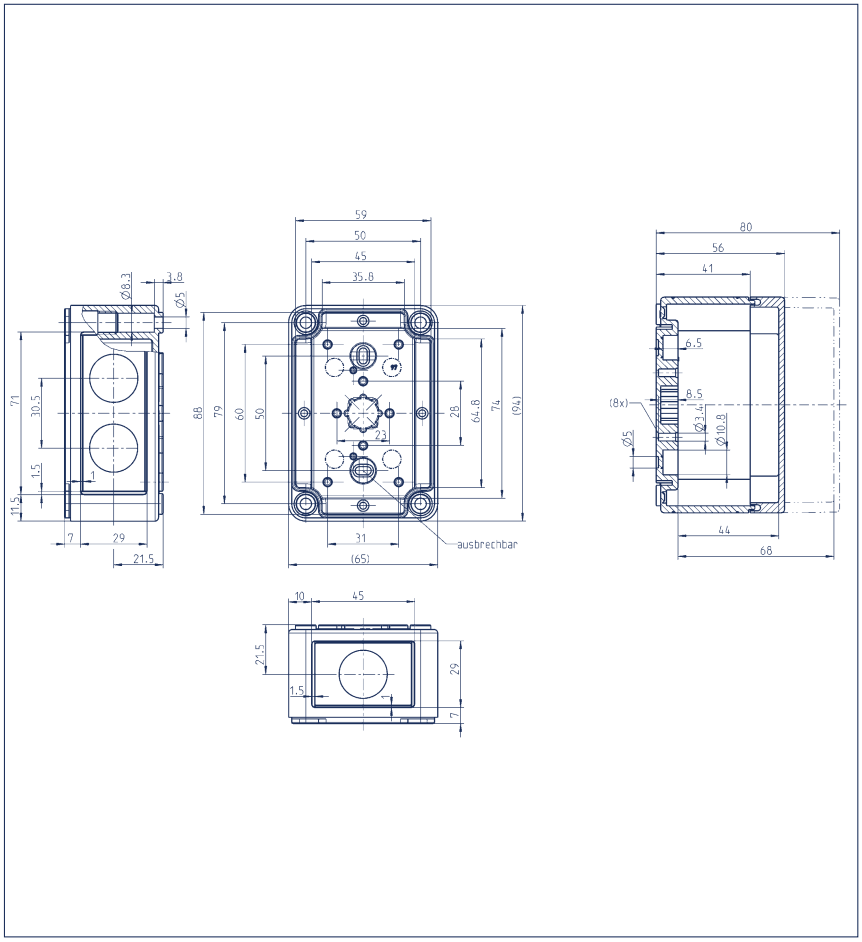
With metric knock-outs



M	A/B	C/D	Knock-outs	A/B	C/D
12	-	-	M16/20	2	1
16	-	-	-	-	-
20	-	-	-	-	-
25	-	-	-	-	-
32	-	-	-	-	-
40	-	-	-	-	-
50	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 80 mm long	
Cat. no.	**4559.1**	1
DIN rail section TS 35		
Cat. no.		
Mounting plate MP	MP /CK 97	
Cat. no.	**4511.1**	1
Wall brackets WL	WL /CK	
Cat. no.	**4512.1**	1
External hinges (pair) AG	AG/CK 77-CK 1809	
Cat. no.	**4512.2**	1

Dimension diagram

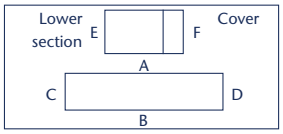


Polycarbonate housing CK-PC 99/57
Polycarbonate housing CK-PC 99/81

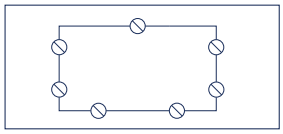
Outer dimensions, mm	94 x 94 x 57
Weight, g	127
Outer dimensions, mm	94 x 94 x 81
Weight, g	193

Threaded drill hole options

Without knock-outs



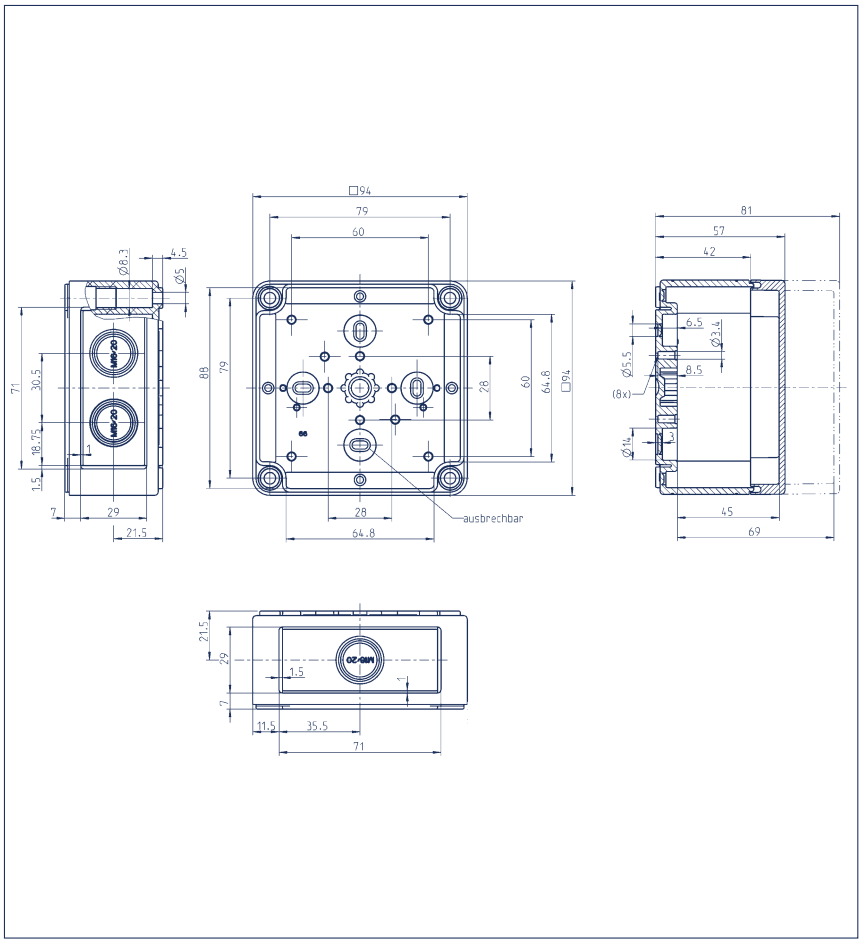
With metric knock-outs



M	A/B	C/D	Knock-outs	A	B/C/D
12	-	-	M16/20	1	2
16	-	-	-	-	-
20	-	-	-	-	-
25	-	-	-	-	-
32	-	-	-	-	-
40	-	-	-	-	-
50	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 80 mm long	
Cat. no.	**4559.1**	1
DIN rail section TS 35		
Cat. no.		
Mounting plate MP	MP /CK 99	
Cat. no.	**4511.2**	1
Wall brackets WL	WL /CK	
Cat. no.	**4512.1**	1
External hinges (pair) AG	AG/CK 77-CK 1809	
Cat. no.	**4512.2**	1

Dimension diagram



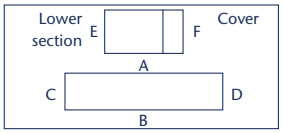
Knock-outs: ● =M12/16 ⊘ =M16/20 ○ =M20
◎ =M20/25 ⊗ =M25/32 ◉ =M32/40

Polycarbonate housing CK-PC 1111/66
Polycarbonate housing CK-PC 1111/90

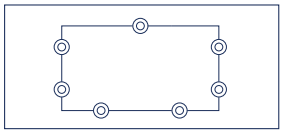
Outer dimensions, mm	110 x 110 x 66
Weight, g	181
Outer dimensions, mm	110 x 110 x 90
Weight, g	242

Threaded drill hole options

Without knock-outs



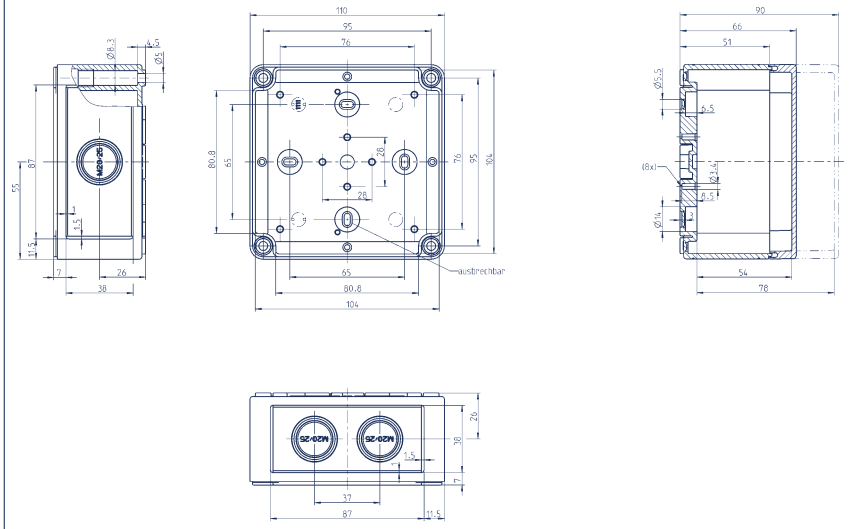
With metric knock-outs



M	A/B	C/D	Knock-outs	A	B/C/D
12	-	-	M20/25	1	2
16	-	-	-	-	-
20	-	-	-	-	-
25	-	-	-	-	-
32	-	-	-	-	-
40	-	-	-	-	-
50	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 92 mm long	
Cat. no.	**4559.2**	1
DIN rail section TS 35	TS 35 / 81 mm long	
Cat. no.	**4559.3**	1
Mounting plate MP	MP /CK 1111	
Cat. no.	**4511.3**	1
Wall brackets WL	WL /CK	
Cat. no.	**4512.1**	1
External hinges (pair) AG	AG/CK 77-CK 1809	
Cat. no.	**4512.2**	1

Dimension diagram

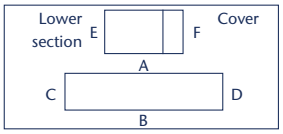


Polycarbonate housing CK-PC 1309/57
Polycarbonate housing CK-PC 1309/81

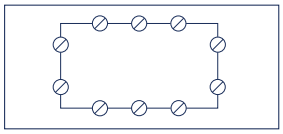
Outer dimensions, mm	130 x 94 x 57
Weight, g	153
Outer dimensions, mm	130 x 94 x 81
Weight, g	200

Threaded drill hole options

Without knock-outs



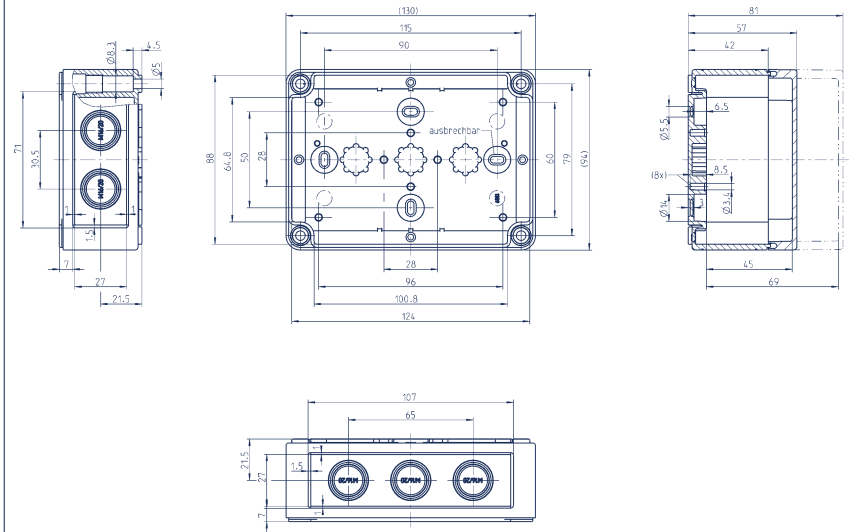
With metric knock-outs



M	A/B	C/D	Knock-outs	A/B	C/D
12	-	-	M16/20	3	2
16	-	-	-	-	-
20	-	-	-	-	-
25	-	-	-	-	-
32	-	-	-	-	-
40	-	-	-	-	-
50	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 111 mm long	
Cat. no.	**4559.4**	1
DIN rail section TS 35	TS 35/106 mm long	
Cat. no.	**4559.5**	1
Mounting plate MP	MP /CK 1309	
Cat. no.	**4511.4**	1
Wall brackets WL	WL /CK	
Cat. no.	**4512.1**	1
External hinges (pair) AG	AG/CK 77-CK 1809	
Cat. no.	**4512.2**	1

Dimension diagram



Knock-outs: ● =M12/16 ⊘ =M16/20 ○ =M20
◎ =M20/25 ⊗ =M25/32 ◉ =M32/40

HOUSING SYSTEMS

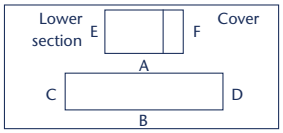
Polycarbonate housing CK-PC

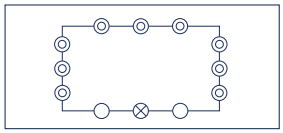
Polycarbonate housing CK-PC 1313/75
Polycarbonate housing CK-PC 1313/99

Outer dimensions, mm	130 x 130 x 75
Weight, g	243
Outer dimensions, mm	130 x 130 x 99
Weight, g	350

Threaded drill hole options

Without knock-outs

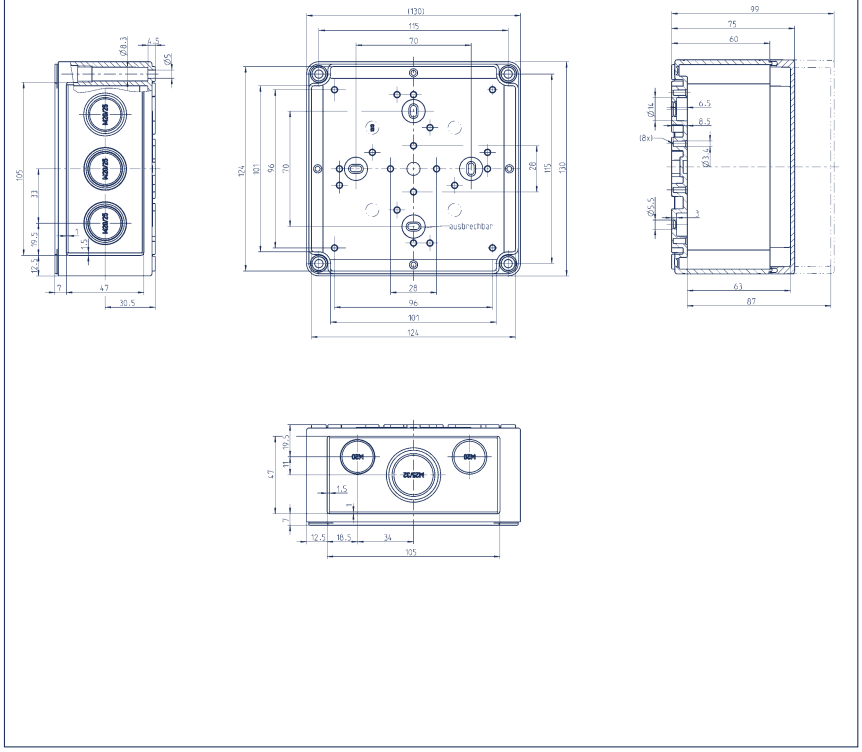




M	A/B	C/D	Knock-outs	A/B	C/D
12	-	-	M20	2	-
16	-	-	M20/25	-	3
20	-	-	M25/32	1	-
25	-	-	-	-	-
32	-	-	-	-	-
40	-	-	-	-	-
50	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 111 mm long	
Cat. no.	**4559.4**	1
DIN rail section TS 35	TS 35 / 106 mm long	
Cat. no.	**4559.5**	1
Mounting plate MP	MP /CK 1313	
Cat. no.	**4511.5**	1
Wall brackets WL	WL /CK	
Cat. no.	**4512.1**	1
External hinges (pair) AG	AG/CK 77-CK 1809	
Cat. no.	**4512.2**	1

Dimension diagram

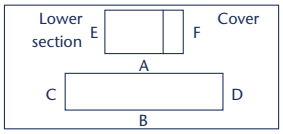


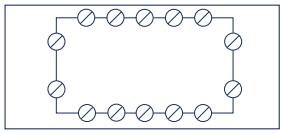
Polycarbonate housing CK-PC 1809/57
Polycarbonate housing CK-PC 1809/81

Outer dimensions, mm	180 x 94 x 57
Weight, g	212
Outer dimensions, mm	180 x 94 x 81
Weight, g	277

Threaded drill hole options

Without knock-outs | **With metric knock-outs**

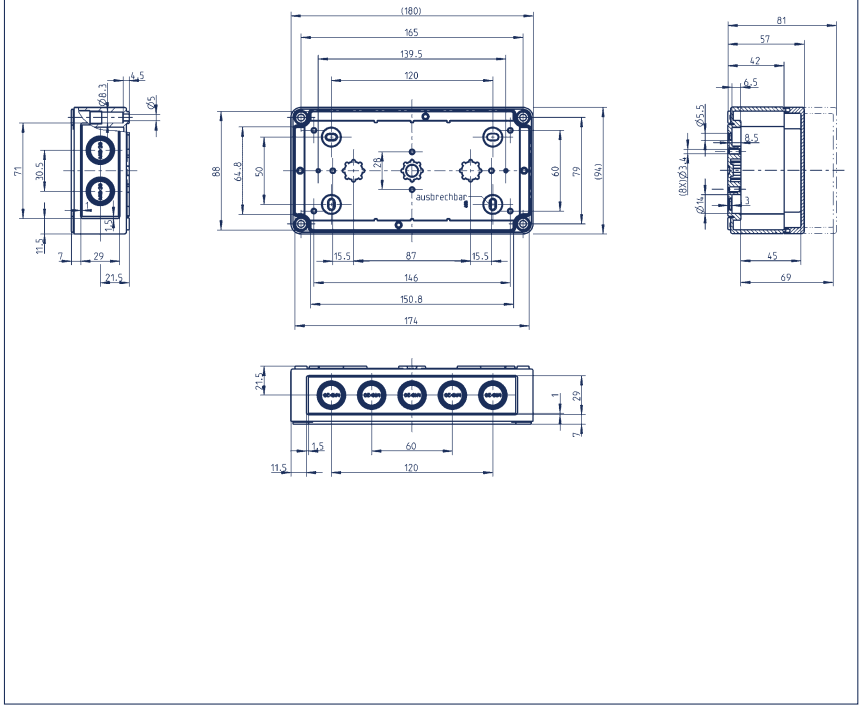




M	A/B	C/D	Knock-outs	A/B	C/D
12	-	-	M16/20	5	2
16	-	-	-	-	-
20	-	-	-	-	-
25	-	-	-	-	-
32	-	-	-	-	-
40	-	-	-	-	-
50	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 154 mm long	
Cat. no.	**4559.6**	1
DIN rail section TS 35	TS 35 / 144 mm long	
Cat. no.	**4507.4**	
Mounting plate MP	MP /CK 1809	
Cat. no.	**4511.6**	1
Wall brackets WL	WL /CK	
Cat. no.	**4512.1**	1
External hinges (pair) AG	AG/CK 77-CK 1809	
Cat. no.	**4512.2**	1

Dimension diagram



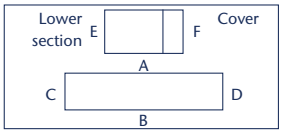
Knock-outs: ● =M12/16 ⊘ =M16/20 ○ =M20 ◎ =M20/25 ⊗ =M25/32 ◉ =M32/40

Polycarbonate housing CK-PC 1811/90
Polycarbonate housing CK-PC 1811/111
Polycarbonate housing CK-PC 1811/165

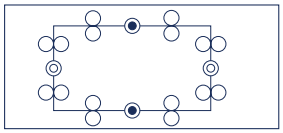
Outer dimensions, mm	180 x 110 x 90
Weight, g	344
Outer dimensions, mm	180 x 110 x 111
Weight, g	383
Outer dimensions, mm	180 x 110 x 165
Weight, g	513

Threaded drill hole options

Without knock-outs



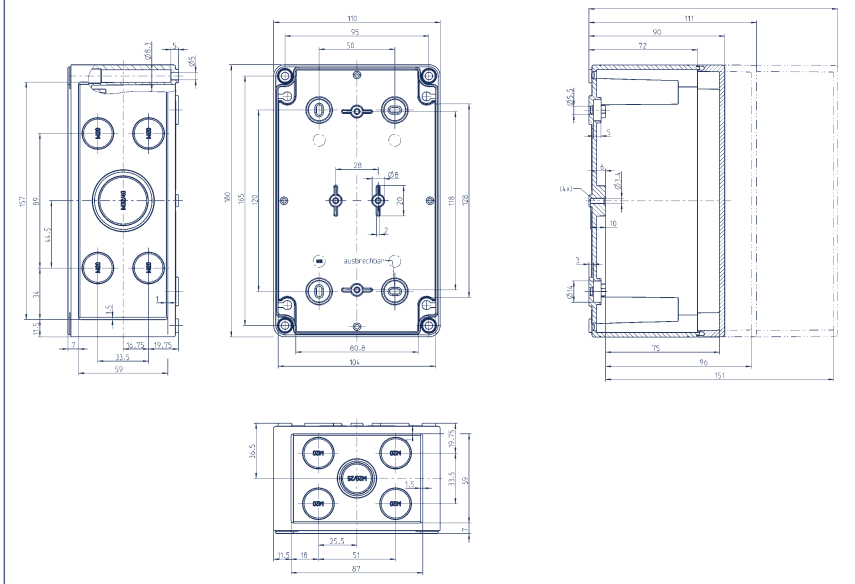
With metric knock-outs



M	A/B	C/D	Knock-outs	A/B	C/D
12	-	-	M20	4	4
16	-	-	M20/25	-	1
20	-	-	M32/40	1	-
25	-	-	-	-	-
32	-	-	-	-	-
40	-	-	-	-	-
50	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 144 mm long **4507.4**	1
Mounting plate MP **Cat. no.**	MP /CK 1811 **4511.7**	1
Wall brackets WL **Cat. no.**	WL /CK **4512.1**	1
External hinges (pair) AG **Cat. no.**	AG/CK 1811-CK 3625 **4512.3**	1

Dimension diagram

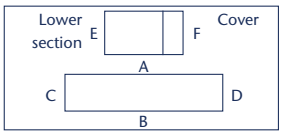


Polycarbonate housing CK-PC 1818/90
Polycarbonate housing CK-PC 1818/111
Polycarbonate housing CK-PC 1818/165

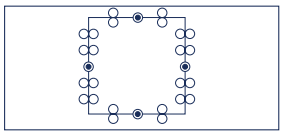
Outer dimensions, mm	182 x 180 x 90
Weight, g	475
Outer dimensions, mm	182 x 180 x 111
Weight, g	525
Outer dimensions, mm	182 x 180 x 165
Weight, g	675

Threaded drill hole options

Without knock-outs



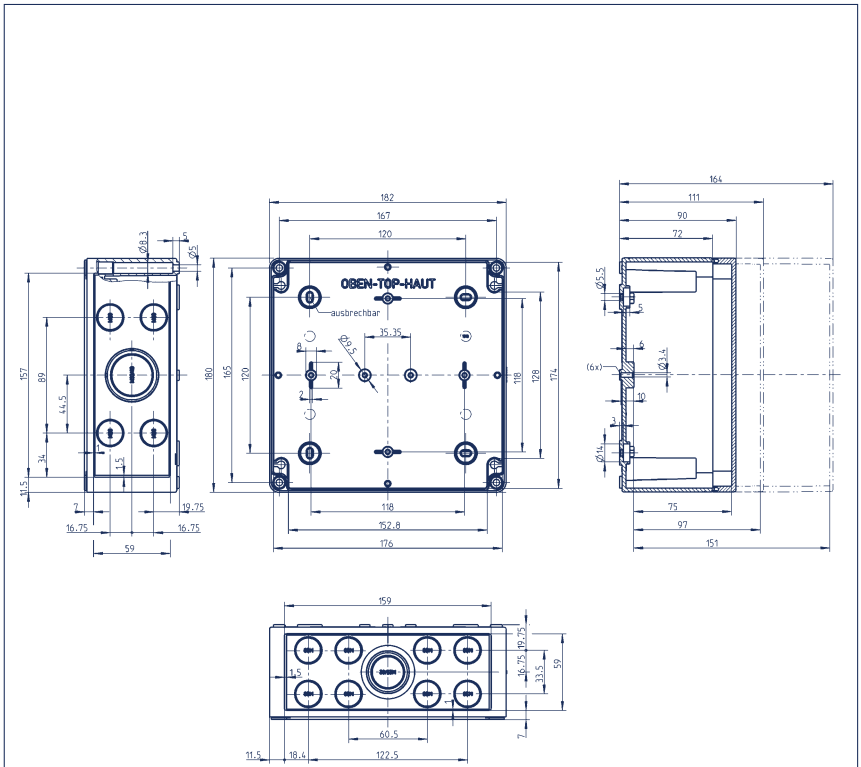
With metric knock-outs



M	A/B	C/D	Knock-outs	A/B	C/D
12	-	-	M20	8	4
16	-	-	M32/40	1	1
20	-	-	-	-	-
25	-	-	-	-	-
32	-	-	-	-	-
40	-	-	-	-	-
50	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 144 mm long **4507.4**	1
Mounting plate MP **Cat. no.**	MP /CK 1818 **4511.8**	1
Wall brackets WL **Cat. no.**	WL /CK **4512.1**	1
External hinges (pair) AG **Cat. no.**	AG/CK 1811-CK 3625 **4512.3**	1

Dimension diagram



Knock-outs: ● =M12/16 ⊘ =M16/20 ○ =M20
◎ =M20/25 ⊗ =M25/32 ◉ =M32/40

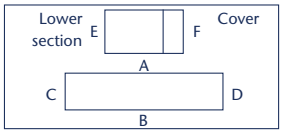
Polycarbonate housing CK-PC

Polycarbonate housing CK-PC 2518/63
Polycarbonate housing CK-PC 2518/84

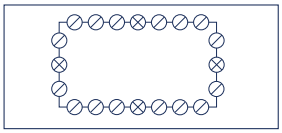
Outer dimensions, mm	254 x 180 x 63
Weight, g	575
Outer dimensions, mm	254 x 180 x 84
Weight, g	575

Threaded drill hole options

Without knock-outs



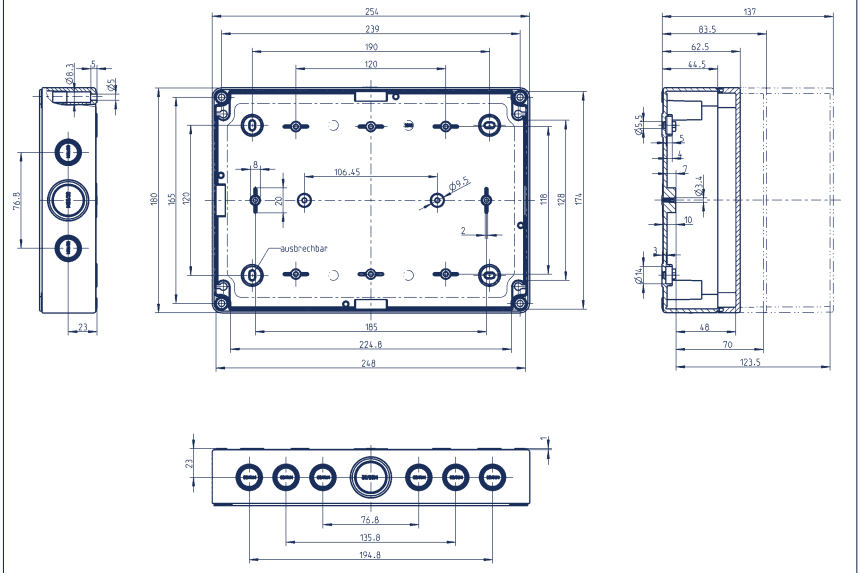
With metric knock-outs



M	A/B	C/D	Knock-outs	A/B	C/D
12	22	12	M16/20	6	2
16	10	5	M25/30	1	1
20	7	4	-	-	-
25	6	3	-	-	-
32	1	1	-	-	-
40	-	-	-	-	-
50	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15		
Cat. no.		1
DIN rail section TS 35	TS 35 / 144 mm long	
Cat. no.	**4507.4**	1
Mounting plate MP	MP /CK 2518	
Cat. no.	**4511.9**	1
Wall brackets WL	WL /CK	
Cat. no.	**4512.1**	1
External hinges (pair) AG	AG/CK 1811-CK 3625	
Cat. no.	**4512.3**	1

Dimension diagram

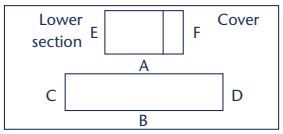


Polycarbonate housing CK-PC 2518/90
Polycarbonate housing CK-PC 2518/111
Polycarbonate housing CK-PC 2518/165

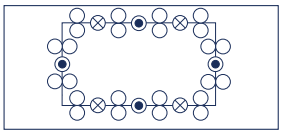
Outer dimensions, mm	254 x 180 x 90
Weight, g	638
Outer dimensions, mm	254 x 180 x 111
Weight, g	700
Outer dimensions, mm	254 x 180 x 165
Weight, g	850

Threaded drill hole options

Without knock-outs



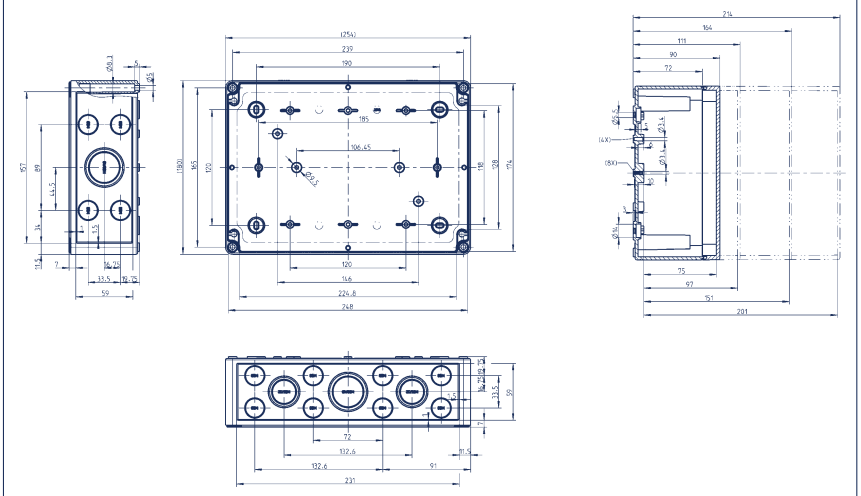
With metric knock-outs



M	A/B	C/D	Knock-outs	A/B	C/D
12	33	20	M20	8	4
16	18	10	M25/32	2	-
20	14	8	M32/40	1	1
25	11	5	-	-	-
32	5	3	-	-	-
40	4	2	-	-	-
50	3	1	-	-	-

Accessories		Qty.
DIN rail section TS 15		
Cat. no.		
DIN rail section TS 35	TS 35 / 144 mm long	
Cat. no.	**4507.4**	1
Mounting plate MP	MP /CK 2518	
Cat. no.	**4511.9**	1
Wall brackets WL	WL /CK	
Cat. no.	**4512.1**	1
External hinges (pair) AG	AG/CK 1811-CK 3625	
Cat. no.	**4512.3**	1

Dimension diagram



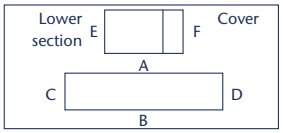
Knock-outs: ● =M12/16 ⊘ =M16/20 ○ =M20
◎ =M20/25 ⊗ =M25/32 ◉ =M32/40

Polycarbonate housing CK-PC 3625/111
Polycarbonate housing CK-PC 3625/165

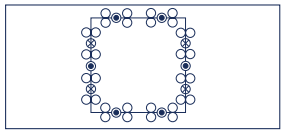
Outer dimensions, mm	361x 254 x 111
Weight, g	1167
Outer dimensions, mm	361 x 254 x 165
Weight, g	1550

Threaded drill hole options

Without knock-outs



With metric knock-outs

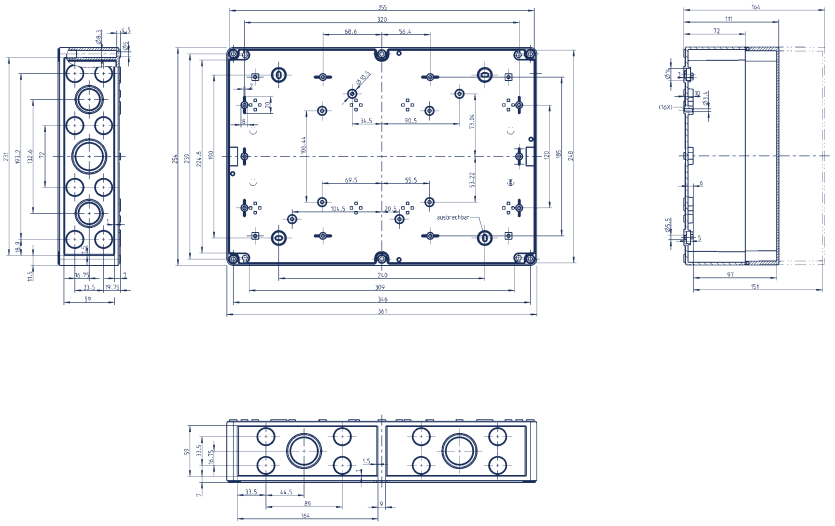


M	A/B	C/D	Knock-outs	A/B	C/D
12	42	33	M20	8	8
16	24	18	M25/30	-	2
20	16	14	M32/40	2	1
25	8	11	-	-	-
32	6	5	-	-	-
40	4	4	-	-	-
50	4	3	-	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 336 mm long **4559.8**	1
Mounting plate MP **Cat. no.**	MP /CK 3625 **4512.0**	1
Wall brackets WL **Cat. no.**	WL /CK **4512.1**	1
External hinges (pair) AG **Cat. no.**	AG/CK 1811-CK 3625 **4512.3**	1

Knock-outs: ● =M12/16 ⊘ =M16/20 ○ =M20 ◎ =M20/25 ⊗ =M25/32 ◉ =M32/40

Dimension diagram

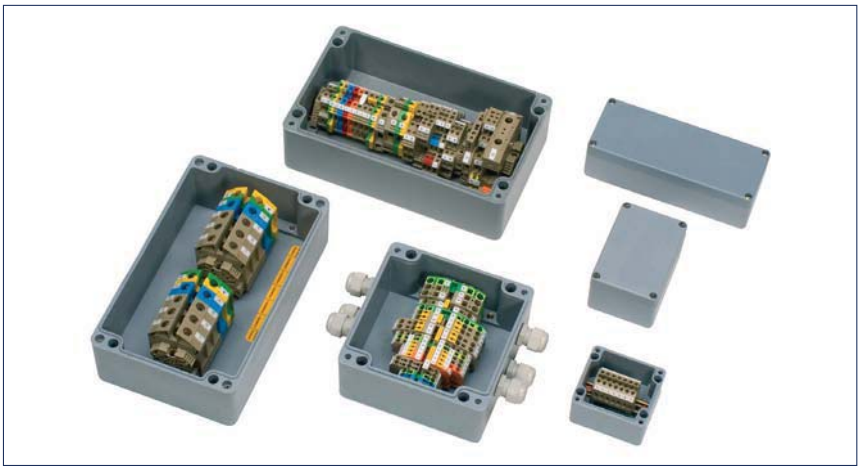


HOUSING SYSTEMS

Polyester housing CP

Polyester housing

Material: Glass-fibre reinforced duro-plastic polyester
Protection: IP 66
Heavy-duty plastic
A comprehensive line of accessories



Technical data

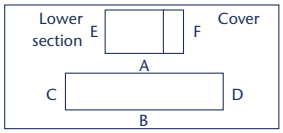
Material	Polyester
Protection	IP66
Toxicity characteristics	Halogen-free
Flamm. class acc. to UL 94	V0
Thermal stability	-40°C to +90°C
Chemical resistance	good
Sea water resistance	very good
UV resistance	good
Colour	grey, similar to RAL 7000
Impact resistance	> 7 Joule, EN50014

Outer dimensions			Dimension diagram	Grey polycarbonate cover with metric knock-outs	
L	W	H	Page	Type	Cat. no.
55	55	37	455	CP 55/37	**4432.1**
55	55	59	455	CP 55/59	**4433.1**
80	75	55	456	CP 80/55	**4020.1**
80	75	75	456	CP 80/75	**4439.1**
110	75	55	457	CP 110/55	**4021.1**
110	75	75	457	CP 110/75	**4434.1**
122	120	90	458	CP 122/90	**4024.1**
160	75	55	458	CP 160/55	**4022.1**
160	75	75	459	CP 160/75	**4435.1**
160	160	90	459	CP 160/90	**4025.1**
190	75	55	460	CP 190/55	**4023.1**
190	75	75	460	CP 190/75	**4436.1**
220	120	90	461	CP 220/90	**4026.1**
230	75	55	461	CP 230/55	**4437.1**
230	75	75	462	CP 230/75	**4198.1**
255	250	120	462	CP 255/120	**4029.1**
260	160	90	463	CP 260/90	**4027.1**
360	160	90	463	CP 360/90	**4028.1**
400	250	120	464	CP 400/120	**4030.1**
400	405	120	464	CP 400/120-2	**4031.1**

Polyester housing CP 55/37

Outer dimensions, mm	55 x 55 x 37
Weight, g	100

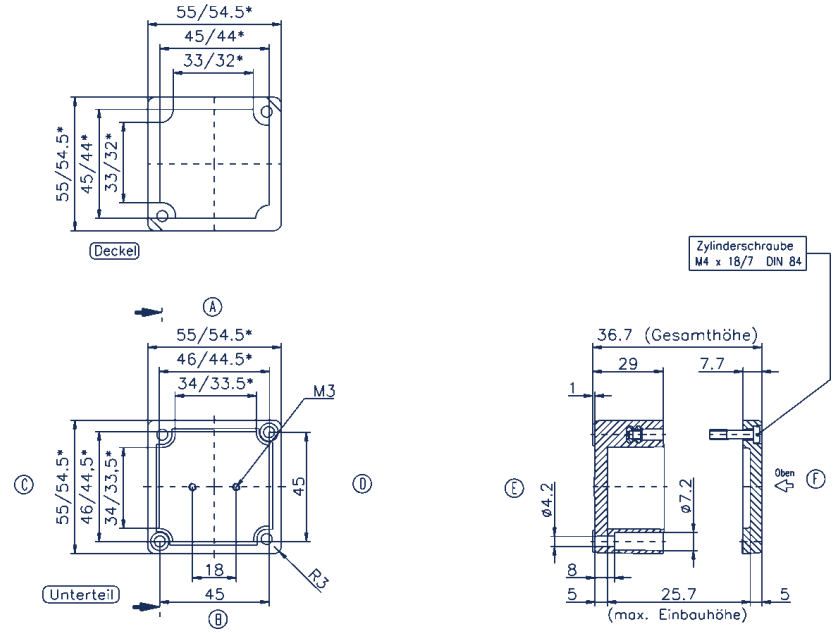
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	2	2	7	2	2
16	1	1	9	1	1
20	-	-	11	-	-
25	-	-	13.5	-	-
32	-	-	16	-	-
40	-	-	21	-	-
50	-	-	29	-	-
63	-	-	36	-	-
-	-	-	42	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 42 mm long	
Cat. no.	**4567.0**	1
Mounting screw BS	BS M 3x5	
Cat. no.	**4556.0**	
DIN rail section TS 35		
Cat. no.		
Mounting plate MP		
Cat. no.		
Wall brackets WL		
Cat. no.		
External hinges (pair) AG		
Cat. no.		

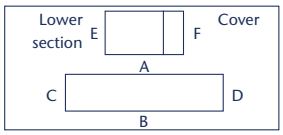
Dimension diagram



Polyester housing CP55/59

Outer dimensions, mm	55 x 55 x 59
Weight, g	130

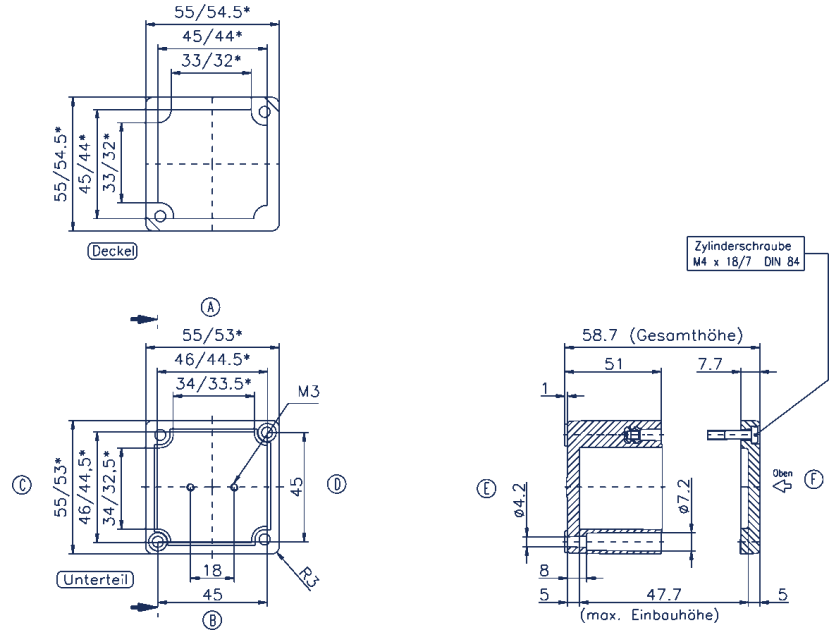
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	5	5	7	5	5
16	2	2	9	3	3
20	1	1	11	2	2
25	1	1	13.5	1	1
32	1	1	16	1	1
40	-	-	21	1	1
50	-	-	29	-	-
63	-	-	36	-	-
-	-	-	42	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 42 mm long	
Cat. no.	**4567.0**	1
Mounting screw BS	BS M 3x5	
Cat. no.	**4556.0**	100
DIN rail section TS 35		
Cat. no.		
Mounting plate MP		
Cat. no.		
Wall brackets WL		
Cat. no.		
External hinges (pair) AG		
Cat. no.		

Dimension diagram

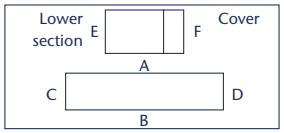


Polyester housing CP

Polyester housing CP 80/55

Outer dimensions, mm	80 x 75 x 55
Weight, g	230

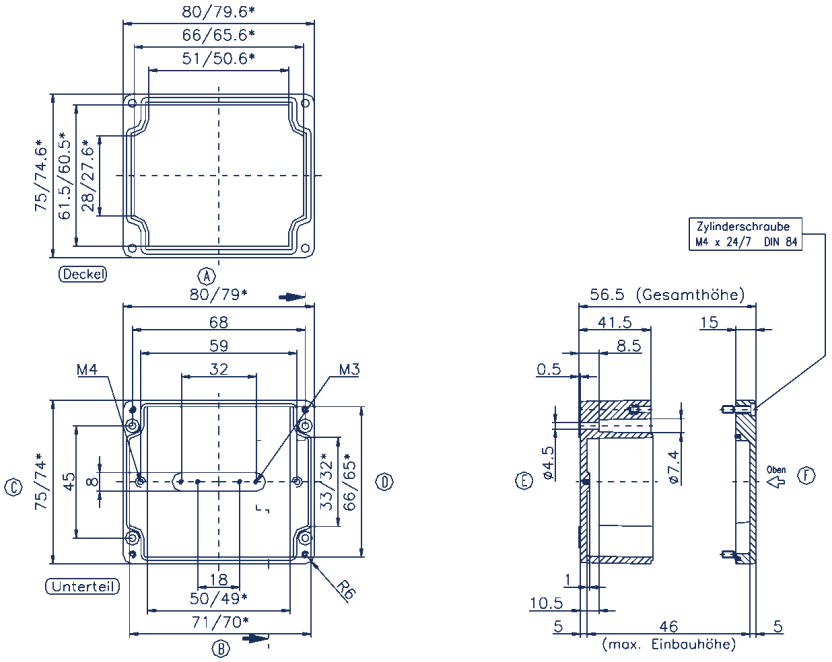
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	6	3	7	6	3
16	2	1	9	4	1
20	2	1	11	2	1
25	1	-	13.5	2	1
32	-	-	16	2	1
40	-	-	21	1	-
50	-	-	29	-	-
63	-	-	36	-	-
-	-	-	42	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**	TS 15 / 68 mm long **4507.8**	1
DIN rail section TS 35 **Cat. no.**		
Mounting screw BS **Cat. no.**	BS M 4x5 **4557.0**	100
Mounting plate MP **Cat. no.**		
Wall brackets WL **Cat. no.**	WL (Set) **4509.3**	1
External hinges (pair) AG **Cat. no.**		

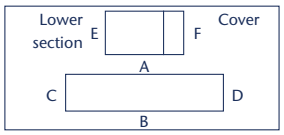
Dimension diagram



Polyester housing CP 80/75

Outer dimensions, mm	80 x 75 x 75
Weight, g	300

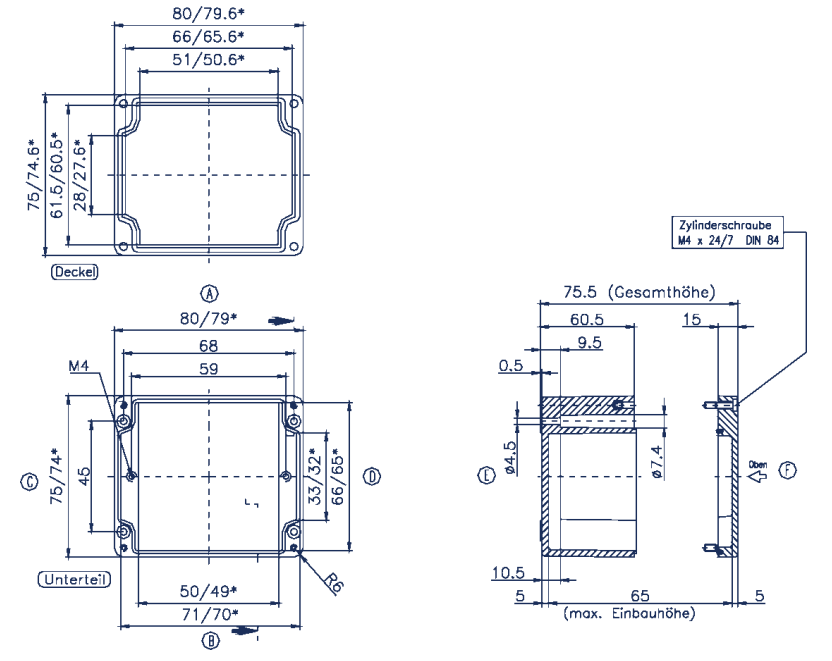
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	9	5	7	9	5
16	5	2	9	6	3
20	4	2	11	4	2
25	1	1	13.5	4	2
32	1	1	16	3	1
40	-	-	21	1	1
50	-	-	29	1	-
63	-	-	36	-	-
-	-		42	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**	TS 15 / 68 mm long **4507.8**	1
DIN rail section TS 35 **Cat. no.**		
Mounting screw BS **Cat. no.**	BS M 4x5 **4557.0**	100
Mounting plate MP **Cat. no.**		
Wall brackets WL **Cat. no.**	WL (set) **4509.3**	1
External hinges (pair) AG **Cat. no.**		

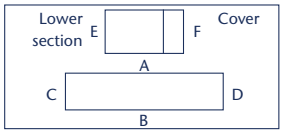
Dimension diagram



Polyester housing CP 110/55

Outer dimensions, mm	110 x 75 x 55
Weight, g	295

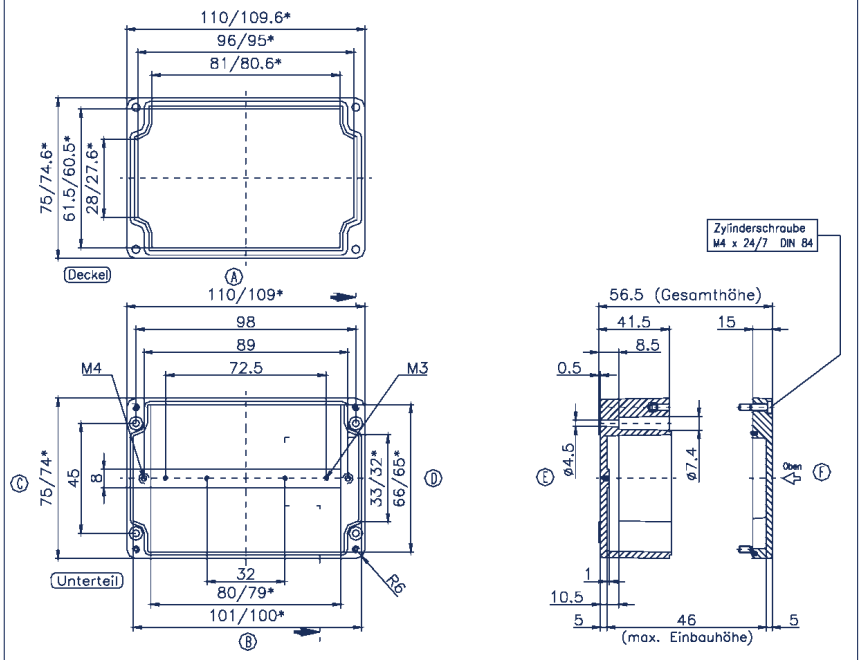
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	10	3	7	10	3
16	4	1	9	6	1
20	3	1	11	4	1
25	2	-	13.5	3	1
32	-	-	16	3	1
40	-	-	21	2	-
50	-	-	29	-	-
63	-	-	36	-	-
-	-	-	42	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 98 mm long	
Cat. no.	**4507.9**	1
DIN rail section TS 35		
Cat. no.		
Mounting screw BS	BS M 4x5	
Cat. no.	**4557.0**	100
Mounting plate MP	MP /P 110	
Cat. no.	**4500.3**	1
Wall brackets WL	WL (set)	
Cat. no.	**4509.3**	1
External hinges (pair) AG		
Cat. no.		

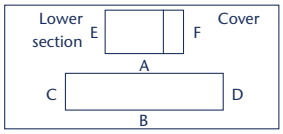
Dimension diagram



Polyester housing CP 110/75

Outer dimensions, mm	110 x 75 x 75
Weight, g	360

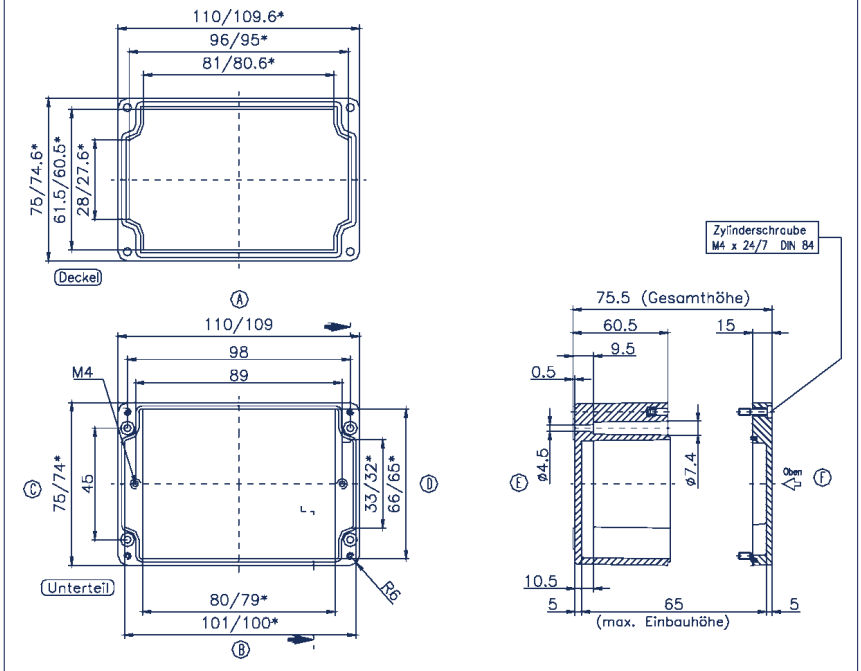
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	15	5	7	15	5
16	6	2	9	9	3
20	6	1	11	6	2
25	2	1	13.5	6	1
32	2	1	16	5	1
40	-		21	2	1
50	-	-	29	2	-
63	-	-	36	-	-
-	-	-	42	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 98 mm long	
Cat. no.	**4507.9**	1
DIN rail section TS 35		
Cat. no.		
Mounting screw BS	BS M 4x5	
Cat. no.	**4557.0**	100
Mounting plate MP		
Cat. no.		
Wall brackets WL	WL (set)	
Cat. no.	**4509.3**	1
External hinges (pair) AG		
Cat. no.		

Dimension diagram



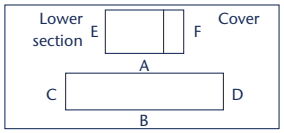
HOUSING SYSTEMS

Polyester housing CP

Polyester housing CP 122/90

Outer dimensions, mm	122 x 120 x 90
Weight, g	750

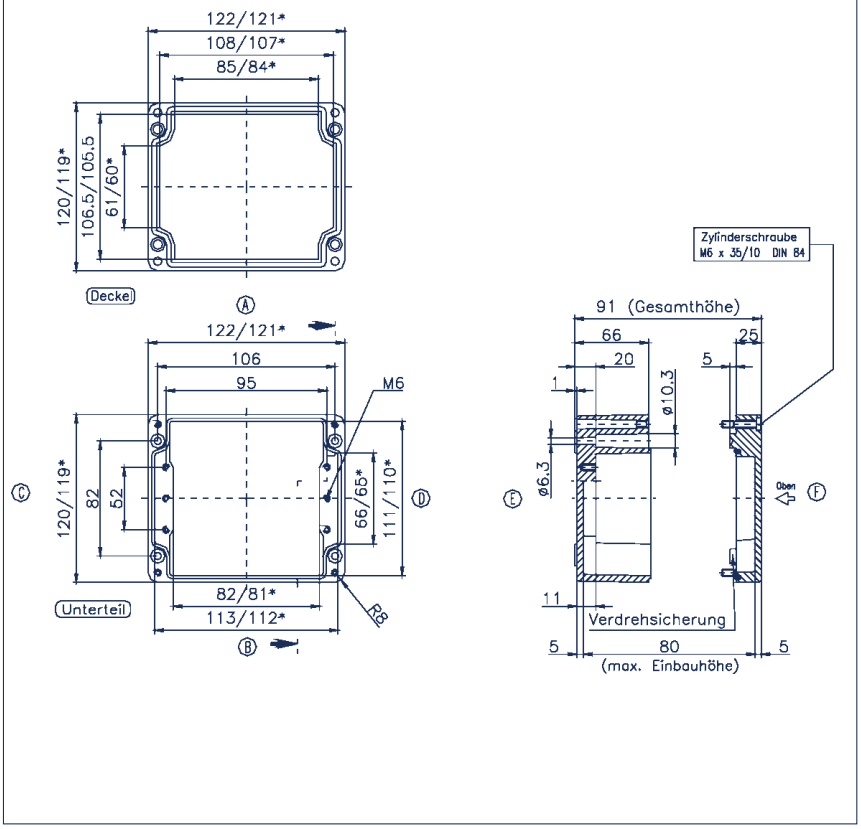
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	18	12	7	18	12
16	8	5	9	12	6
20	6	4	11	8	5
25	3	2	13.5	6	4
32	2	1	16	6	3
40	1	1	21	3	2
50	-	-	29	2	1
63	-	-	36	1	1
-	-	-	42	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		1
DIN rail section TS 35 **Cat. no.**	TS 15 / 108 mm long **4507.1**	
Mounting screw BS **Cat. no.**	BS M 6x8 **4558.0**	100
Mounting plate MP **Cat. no.**	MP /P 122 **4503.0**	1
Wall brackets WL **Cat. no.**	WL (Set) **4509.4**	1
External hinges (pair) AG **Cat. no.**	AG (pair) **4509.6**	1

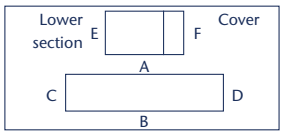
Dimension diagram



Polyester housing CP 160/55

Outer dimensions, mm	160 x 75 x 55
Weight, g	405

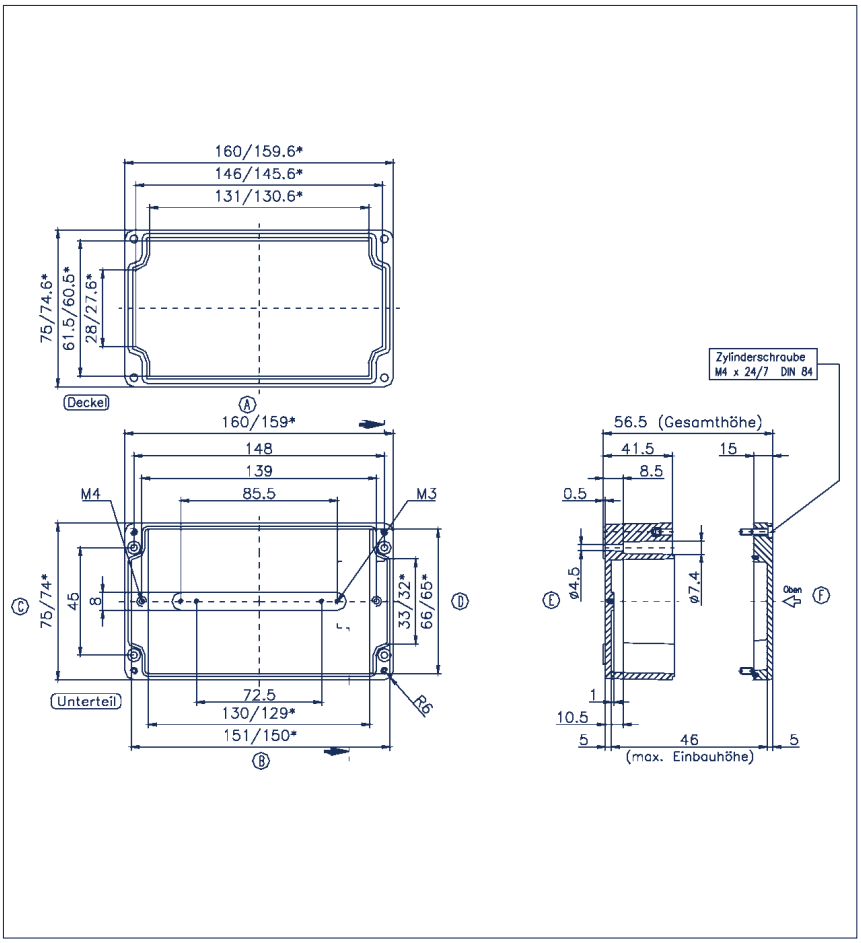
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	16	3	7	16	2
16	6	1	9	9	1
20	5	1	11	6	1
25	3		13.5	5	1
32	-	-	16	4	1
40	-	-	21	3	-
50	-	-	29	-	-
63	-	-	36	-	-
-	-	-	42	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**	TS 15 / 148 mm long **4508.0**	1
DIN rail section TS 35 **Cat. no.**		
Mounting screw BS **Cat. no.**	BS M 4x5 **4557.0**	100
Mounting plate MP **Cat. no.**	MP /P 160/5 **4501.1**	1
Wall brackets WL **Cat. no.**	WL (set) **4509.3**	1
External hinges (pair) AG **Cat. no.**		

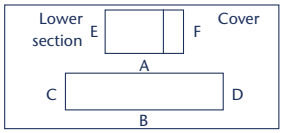
Dimension diagram



Polyester housing CP 160/75

Outer dimensions, mm	160 x 75 x 75
Weight, g	460

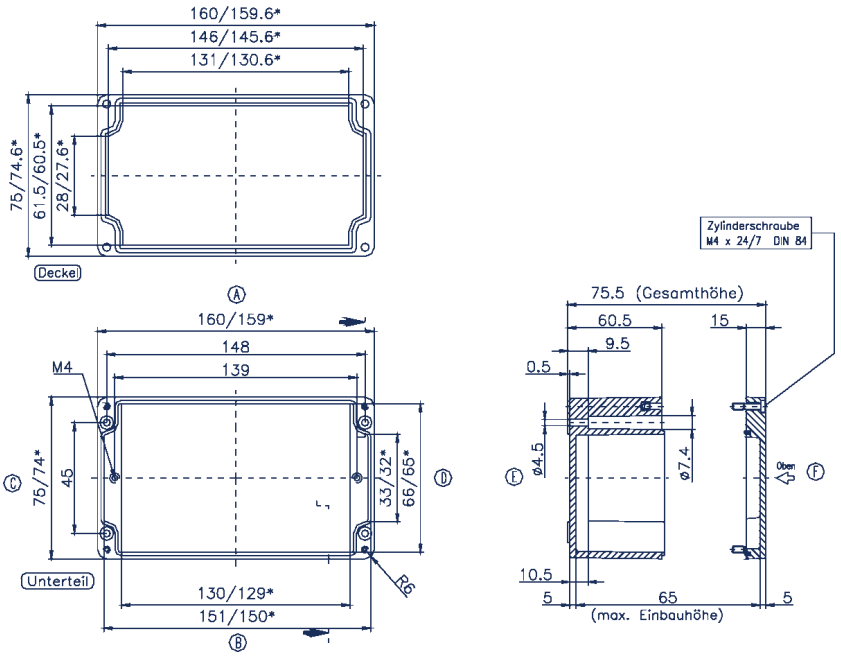
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	18	5	7	18	5
16	8	2	9	11	3
20	8	2	11	8	2
25	3	1	13.5	8	2
32	2	1	16	5	1
40	-	-	21	3	1
50	-	-	29	2	-
63	-	-	36	-	-
-	-	-	42	-	-

Accessories		Qty.
DIN rail section TS 15		
Cat. no.		
DIN rail section TS 35	TS 35 / 144 mm long	
Cat. no.	**4507.4**	1
Mounting screw BS	BS M 4x5	
Cat. no.	**4557.0**	100
Mounting plate MP		
Cat. no.		
Wall brackets WL	WL (set)	
Cat. no.	**4509.3**	1
External hinges (pair) AG		
Cat. no.		

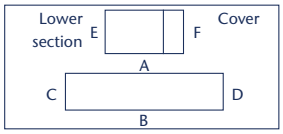
Dimension diagram



Polyester housing CP 160/90

Outer dimensions, mm	160 x 160 x 90
Weight, g	1290

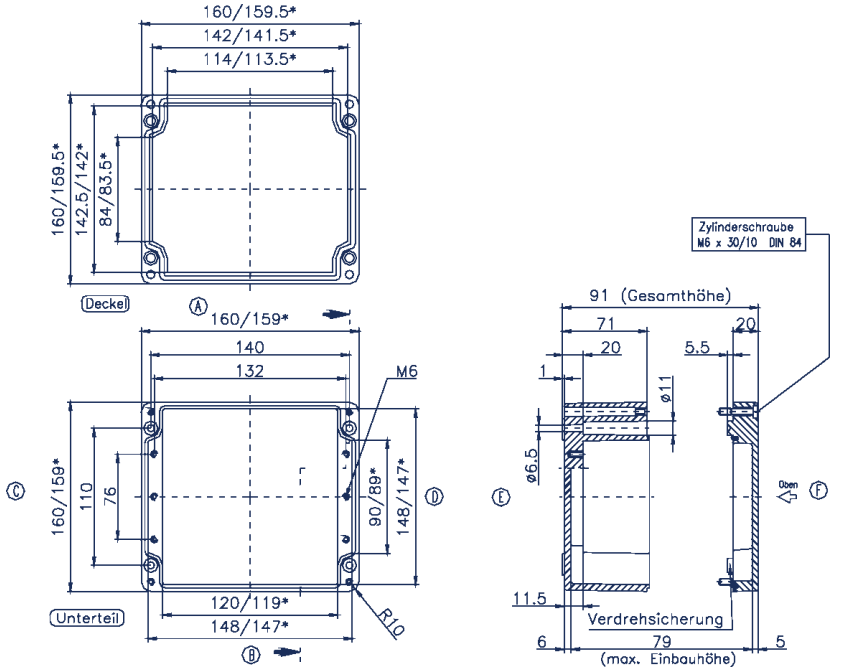
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	26	18	7	26	18
16	14	8	9	15	12
20	9	6	11	12	8
25	6	3	13.5	9	6
32	3	2	16	8	6
40	2	1	21	6	3
50	2	1	29	2	2
63	-	-	36	2	1
-	-	-	42	1	-

Accessories		Qty.
DIN rail section TS 15		
Cat. no.		
DIN rail section TS 35	TS 35 / 144 mm long	
Cat. no.	**4507.4**	
Mounting screw BS	BS M 6x8	
Cat. no.	**4558.0**	100
Mounting plate MP	MP /P 160/9	
Cat. no.	**4503.2**	1
Wall brackets WL	WL (set)	
Cat. no.	**4509.4**	1
External hinges (pair) AG	AG (pair)	
Cat. no.	**4509.6**	1

Dimension diagram

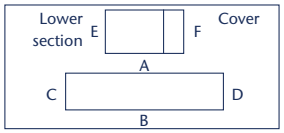


Polyester housing CP

Polyester housing CP 190/55

Outer dimensions, mm	190 x 75 x 55
Weight, g	450

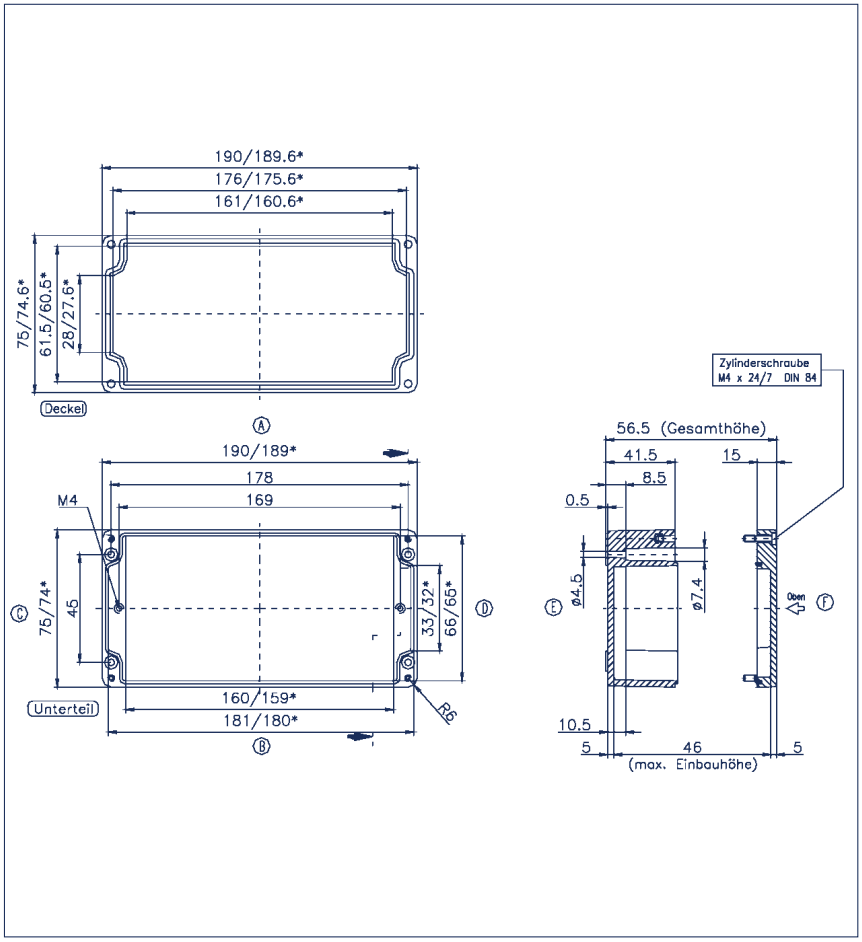
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	20	4	7	20	4
16	8	1	9	15	2
20	7	1	11	8	1
25	4	1	13.5	7	1
32	-	-	16	6	1
40	-	-	21	4	-
50	-	-	29	-	-
63	-	-	36	-	-
-	-	-	42	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**	TS 15 / 178 mm long **4508.1**	1
DIN rail section TS 35 **Cat. no.**		
Mounting screw BS **Cat. no.**	BS M 4x5 **4557.0**	100
Mounting plate MP **Cat. no.**	MP /P 190 **4502.8**	1
Wall brackets WL **Cat. no.**	WL (set) **4509.3**	1
External hinges (pair) AG **Cat. no.**		

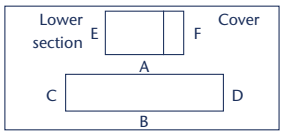
Dimension diagram



Polyester housing CP 190/75

Outer dimensions, mm	190 x 75 x 75
Weight, g	530

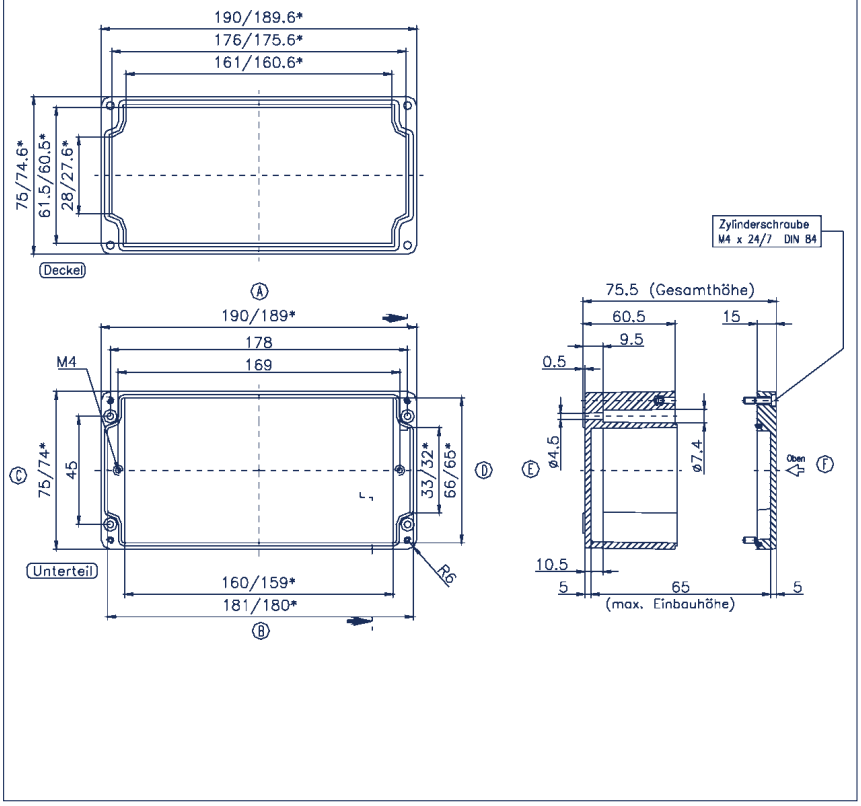
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	28	6	7	27	5
16	12	2	9	18	3
20	12	2	11	12	2
25	5	1	13.5	12	2
32	3	1	16	10	1
40	-	-	21	5	1
50	-	-	29	3	-
63	-	-	36	-	-
-	-	-	42	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**	TS 15 / 178 mm long **4508.1**	1
DIN rail section TS 35 **Cat. no.**		
Mounting screw BS **Cat. no.**	BS M 4x5 **4557.0**	100
Mounting plate MP **Cat. no.**	MP /P 190 **4502.8**	1
Wall brackets WL **Cat. no.**	WL (set) **4509.3**	1
External hinges (pair) AG **Cat. no.**		

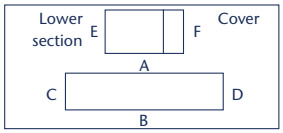
Dimension diagram



Polyester housing CP 220/90

Outer dimensions, mm	220 x 120 x 90
Weight, g	1060

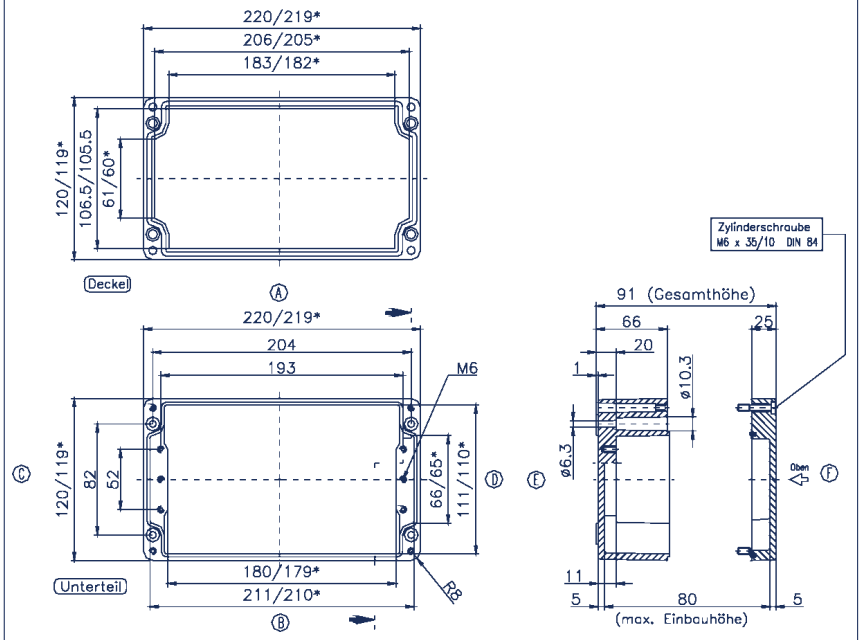
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	38	12	7	36	12
16	17	5	9	24	6
20	14	4	11	15	5
25	7	2	13.5	14	4
32	4	1	16	12	3
40	3	1	21	6	2
50	-	-	29	4	1
63	-	-	36	3	1
-	-	-	42	-	-

Accessories		Qty.
DIN rail section TS 15		
Cat. no.		
DIN rail section TS 35	TS 35 / 208 mm long	
Cat. no.	**4507.3**	1
Mounting screw BS	BS M 6x8	
Cat. no.	**4558.0**	100
Mounting plate MP	MP /P 220	
Cat. no.	**4503.4**	1
Wall brackets WL	WL (set)	
Cat. no.	**4509.4**	1
External hinges (pair) AG	AG (pair)	
Cat. no.	**4509.6**	1

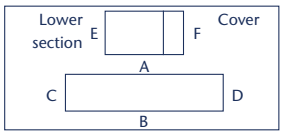
Dimension diagram



Polyester housing CP 230/55

Outer dimensions, mm	230 x 75 x 55
Weight, g	575

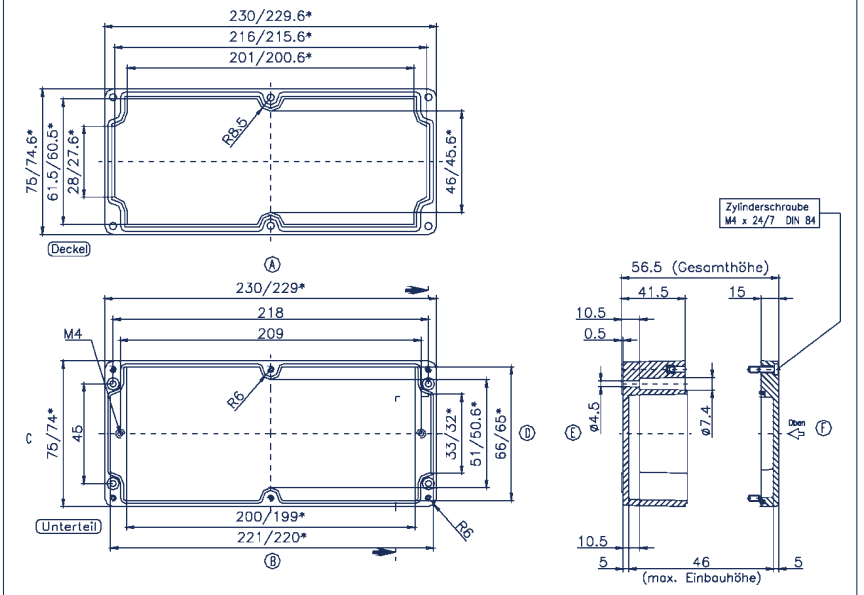
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	22	3	7	20	3
16	10	1	9	14	1
20	8	1	11	8	1
25	4	1	13.5	8	1
32	-	-	16	6	1
40	-	-	21	4	1
50	-	-	29	-	-
63	-	-	36	-	-
-	-	-	42	-	-

Accessories		Qty.
DIN rail section TS 15		
Cat. no.		1
DIN rail section TS 35	TS 35 / 214 mm long	
Cat. no.	**4569.0**	
Mounting screw BS	BS M 4x5	
Cat. no.	**4557.0**	100
Mounting plate MP		
Cat. no.		
Wall brackets WL	WL (set)	
Cat. no.	**4509.3**	1
External hinges (pair) AG		
Cat. no.		

Dimension diagram



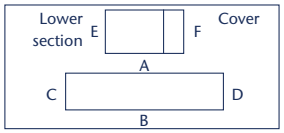
HOUSING SYSTEMS

Polyester housing CP

Polyester housing CP 230/75

Outer dimensions, mm	230 x 75 x 75
Weight, g	670

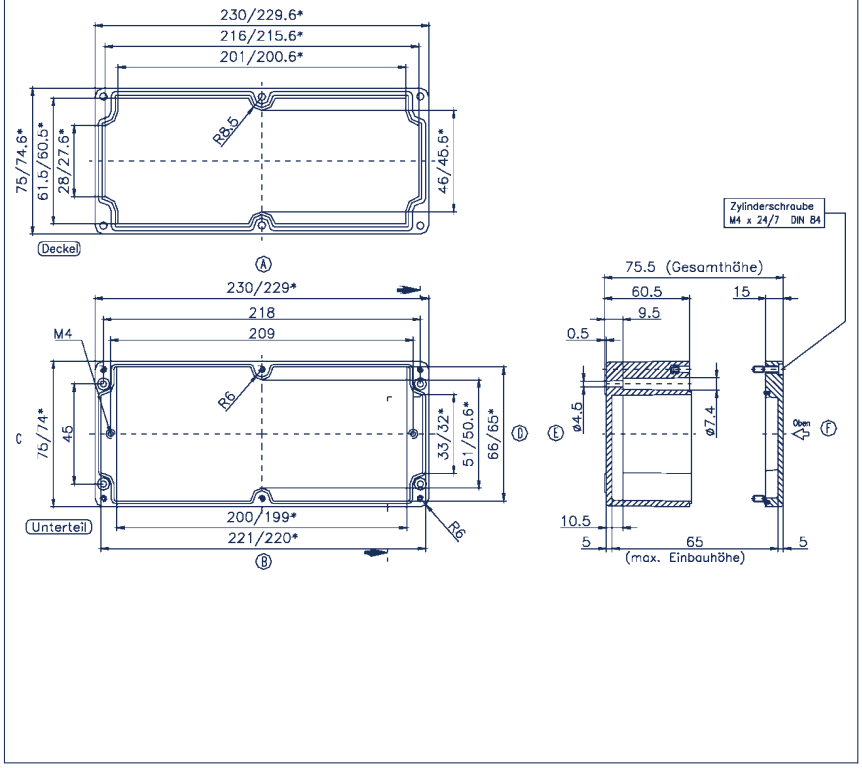
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	30	6	7	30	6
16	16	2	9	18	3
20	12	2	11	16	2
25	6	1	13.5	12	2
32	4	1	16	10	1
40	-	-	21	6	1
50	-	-	29	4	-
63	-	-	36	-	-
-	-	-	42	-	-
-	-	-	48	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 214 mm long **4569.0**	1
Mounting screw BS **Cat. no.**	BS M 4x5 **4557.0**	100
Mounting plate MP **Cat. no.**		
Wall brackets WL **Cat. no.**	WL (set) **4509.3**	1
External hinges (pair) AG **Cat. no.**		

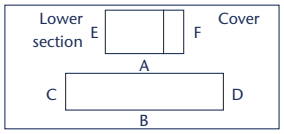
Dimension diagram



Polyester housing CP 255/120

Outer dimensions, mm	255 x 250 x 120
Weight, g	2650

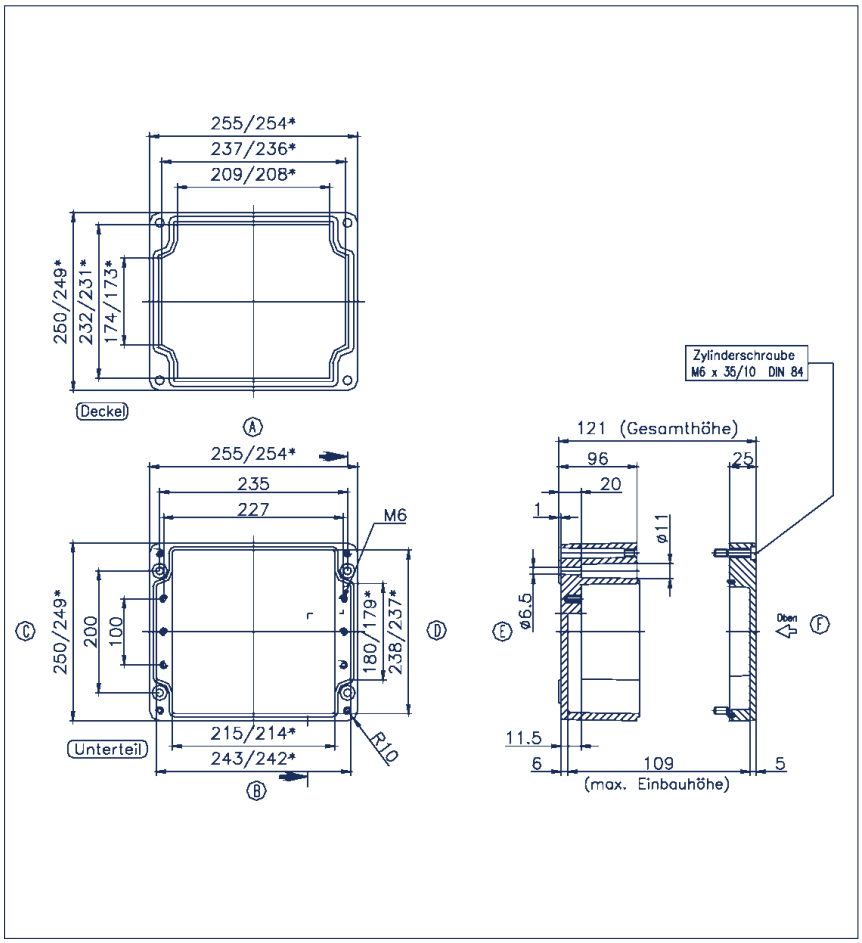
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	69	51	7	69	51
16	32	24	9	40	32
20	24	18	11	32	24
25	12	10	13.5	24	18
32	8	7	16	21	17
40	4	3	21	12	9
50	3	3	29	8	6
63	3	2	36	4	3
-	-	-	42	3	2
-	-	-	48	3	2

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 235 mm long **4508.4**	1
Mounting screw BS **Cat. no.**	BS M 6x8 **4558.0**	100
Mounting plate MP **Cat. no.**		
Wall brackets WL **Cat. no.**	WL (set) **4509.4**	1
External hinges (pair) AG **Cat. no.**	AG (pair) **4509.6**	1

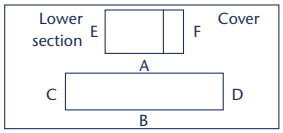
Dimension diagram



Polyester housing CP 260/90

Outer dimensions, mm	260 x 160 x 90
Weight, g	1710

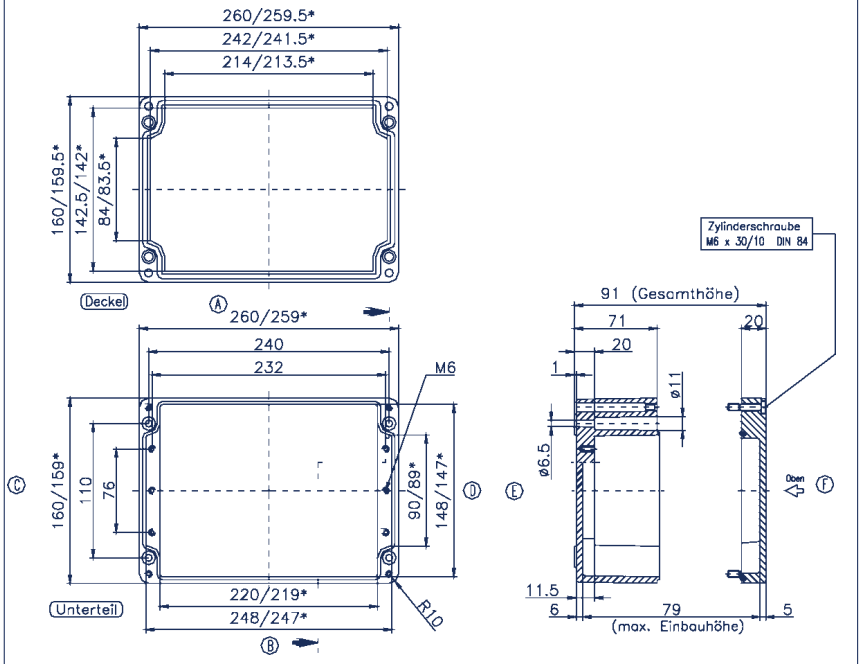
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	50	16	7	50	15
16	26	8	9	30	11
20	17	6	11	21	6
25	11	3	13.5	17	6
32	5	2	16	14	5
40	3	1	21	11	3
50	3	-	29	5	2
63	-	-	36	3	1
-	-	-	42	3	-
-	-	-	48	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 240 mm long **4508.2**	1
Mounting screw BS **Cat. no.**	BS M 6x8 **4558.0**	100
Mounting plate MP **Cat. no.**	MP /P 260 **4503.6**	1
Wall brackets WL **Cat. no.**	WL (set) **4509.4**	1
External hinges (pair) AG **Cat. no.**	AG (pair) **4509.6**	1

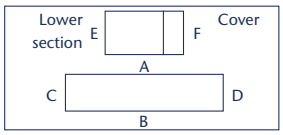
Dimension diagram



Polyester housing CP 360/90

Outer dimensions, mm	360 x 160 x 90
Weight, g	2150

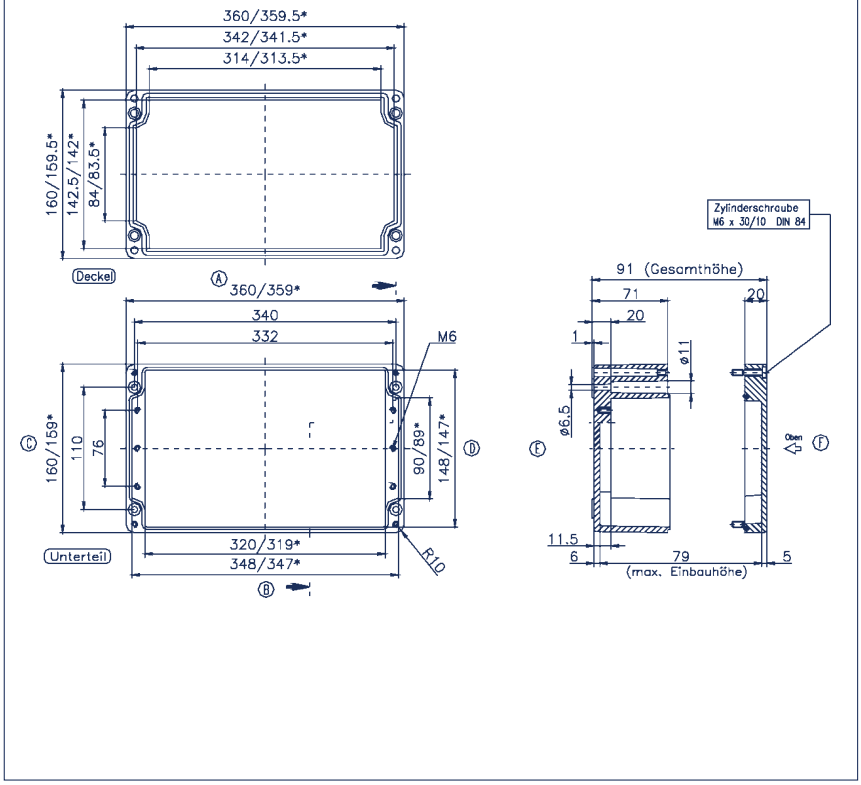
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	72	18	7	72	18
16	38	8	9	42	12
20	26	6	11	36	8
25	16	3	13.5	26	6
32	7	2	16	20	6
40	5	1	21	16	3
50	4	1	29	7	2
63	-	-	36	5	1
-	-	-	42	4	-
-	-	-	48	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 340 mm long **4508.3**	1
Mounting screw BS **Cat. no.**	BS M 6x8 **4558.0**	100
Mounting plate MP **Cat. no.**	MP /P 360 **4503.8**	1
Wall brackets WL **Cat. no.**	WL (set) **4509.4**	1
External hinges (pair) AG **Cat. no.**	AG (pair) **4509.6**	1

Dimension diagram

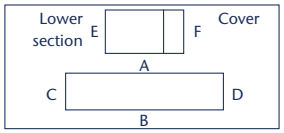


Polyester housing CP

Polyester housing CP 400/120

Outer dimensions, mm	400 x 250 x 120
Weight, g	3650

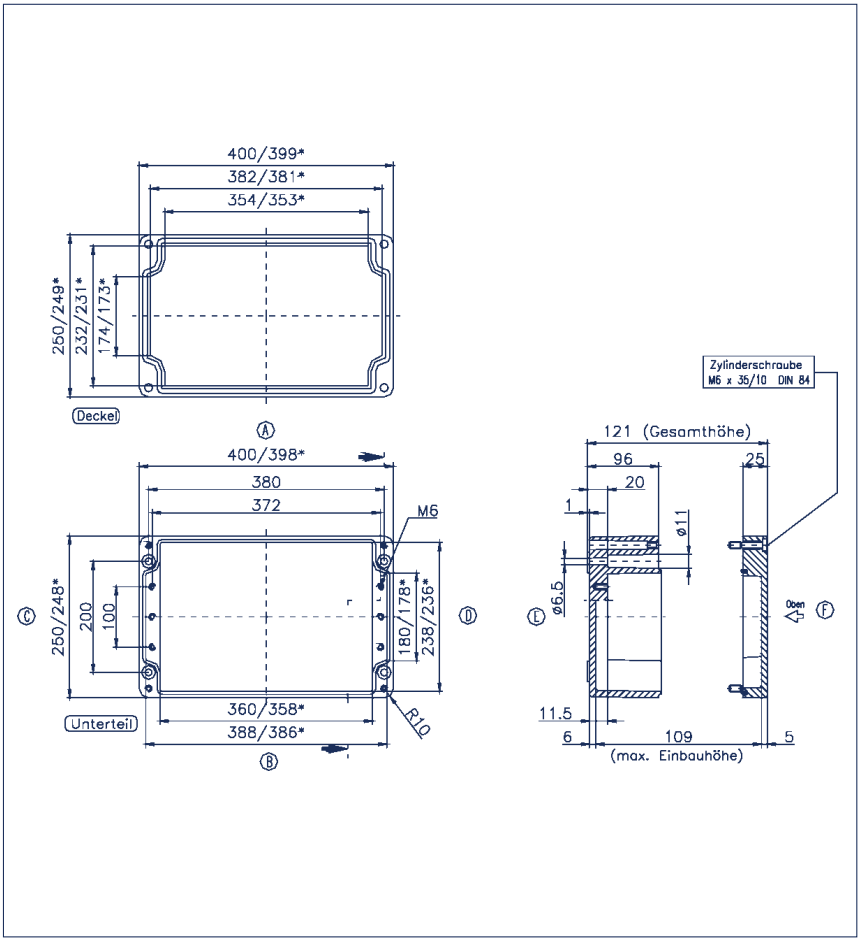
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	117	50	7	114	50
16	56	22	9	68	32
20	42	18	11	56	21
25	21	10	13.5	40	18
32	14	6	16	33	17
40	7	3	21	21	9
50	5	2	29	14	5
63	5	2	36	7	3
-	-	-	42	5	2
-	-	-	48	5	2

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 384 mm long **4508.5**	1
Mounting screw BS **Cat. no.**	BS M 6x8 **4558.0**	100
Mounting plate MP **Cat. no.**	MP /P 400/2 **4504.2**	1
Wall brackets WL **Cat. no.**	WL (set) **4509.4**	1
External hinges (pair) AG **Cat. no.**	AG (pair) **4509.6**	1

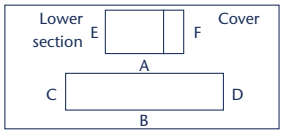
Dimension diagram



Polyester housing CP 400/120-2

Outer dimensions, mm	400 x 405 x 120
Weight, g	5580

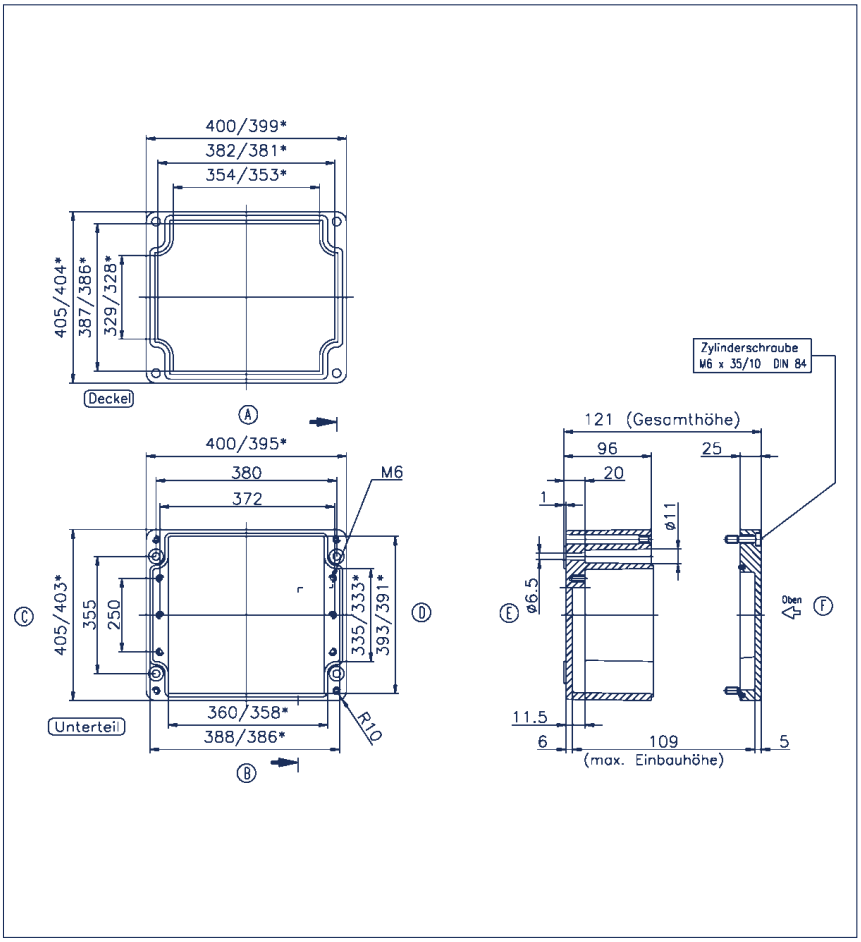
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	117	95	7	114	95
16	56	46	9	68	60
20	42	36	11	56	44
25	21	18	13.5	40	36
32	14	13	16	33	32
40	7	6	21	21	18
50	5	5	29	14	12
63	5	4	36	7	6
-	-	-	42	5	5
-	-	-	48	5	4

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 384 mm long **4508.5**	1
Mounting screw BS **Cat. no.**	BS M 6x8 **4558.0**	100
Mounting plate MP **Cat. no.**	MP /P 400/2 **4504.4**	1
Wall brackets WL **Cat. no.**	WL (set) **4509.4**	1
External hinges (pair) AG **Cat. no.**	AG (pair) **4509.6**	1

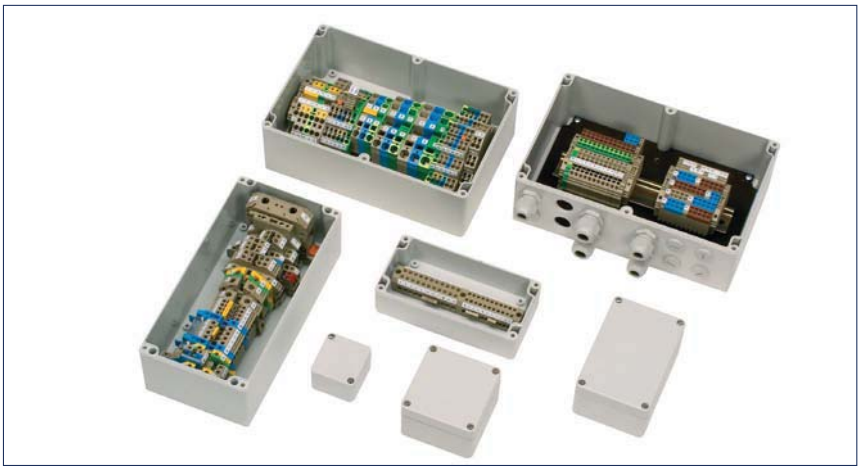
Dimension diagram



Polycarbonate housing CM | ABS housing CT

Polycarbonate housing / ABS housing

Material: glass-fibre reinforced polycarbonate and ABS
Protection: IP 66
Impact resistant
Halogen-free and cadmium-free
A comprehensive line of accessories



Technical data	
Material	Polycarbonate
Protection	IP66
Toxicity characteristics	halogen-free and cadmium-free
Flamm. class acc. to UL 94	V2
Thermal stability	-40°C to +100°C
Chemical resistance	good
Sea water resistance	very good
UV resistance	good
Colour	grey, similar to RAL 7035
Impact resistance	> 7 Joule, EN50014

Outer dimensions L	W	H	Dimension diagram Page	Polycarbonate Type	Cat. no.	Polycarbonate Transparent cover Type	Cat. no.
52	50	35	467	CM 52	**4040.2**	CM 52/DT	**4060.2**
82	80	55	467	CM 82/5	**4041.2**	CM 82/5 DT	**4061.2**
82	80	85	468	CM 82/8	**4042.2**	CM 82/8 DT	**4062.2**
120	80	55	468	CM 120/5	**4043.2**	CM 120/5 DT	**4063.2**
120	80	85	469	CM 120/8	**4044.2**	CM 120/8 DT	**4064.2**
122	120	55	469	CM 122/5	**4047.2**	CM 122/5 DT	**4067.2**
122	120	85	470	CM 122/8	**4048.2**	CM 122/8 DT	**4068.2**
160	80	55	470	CM 160/5	**4045.2**	CM 160/5 DT	**4065.2**
160	80	85	471	CM 160/8	**4046.2**	CM 160/8 DT	**4066.2**
200	120	75	471	CM 200/12	**4049.2**	CM 200/12 DT	**4069.2**
200	150	75	472	CM 200/15	**4050.2**	CM 200/15 DT	**4070.2**
240	120	100	472	CM 240	**4051.2**	CM 240/DT	**4071.2**
240	160	90	473	CM 240/9	**4052.2**	CM 240/9 DT	**4072.2**
240	160	120	473	CM 240/12	**4053.2**	CM 240/12 DT	**4073.2**

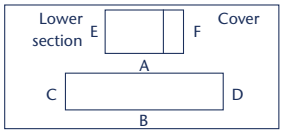
Technical data	
Material	ABS
Protection	IP66
Toxicity characteristics	halogen-free and cadmium-free
Flamm. class acc. to UL 94	HB
Thermal stability	-40°C to +80°C
Chemical resistance	good
Sea water resistance	good
UV resistance	satisfactory
Colour	grey, similar to RAL 7035
Impact resistance	> 7 Joule, EN50014

Outer dimensions L	B	H	Dimension diagram Page	ABS Type	Cat. no.
52	50	35	467	CT 52	**4080.3**
82	80	55	467	CT 82/5	**4081.3**
82	80	85	468	CT 82/8	**4082.3**
120	80	55	468	CT 120/5	**4083.3**
120	80	85	469	CT 120/8	**4084.3**
122	120	55	469	CT 122/5	**4087.3**
122	120	85	470	CT 122/8	**4088.3**
160	80	55	470	CT 160/5	**4085.3**
160	80	85	471	CT 160/8	**4086.3**
200	120	75	471	CT 200/12	**4089.3**
200	150	75	472	CT 200/15	**4090.3**
240	120	100	472	CT 240	**4091.3**
240	160	90	473	CT 240/9	**4092.3**
240	160	120	473	CT 240/12	**4093.3**

Polycarbonate housing CM 52...
ABS housing CT 52...

Outer dimensions, mm	52 x 50 x 35
Weight, g	40

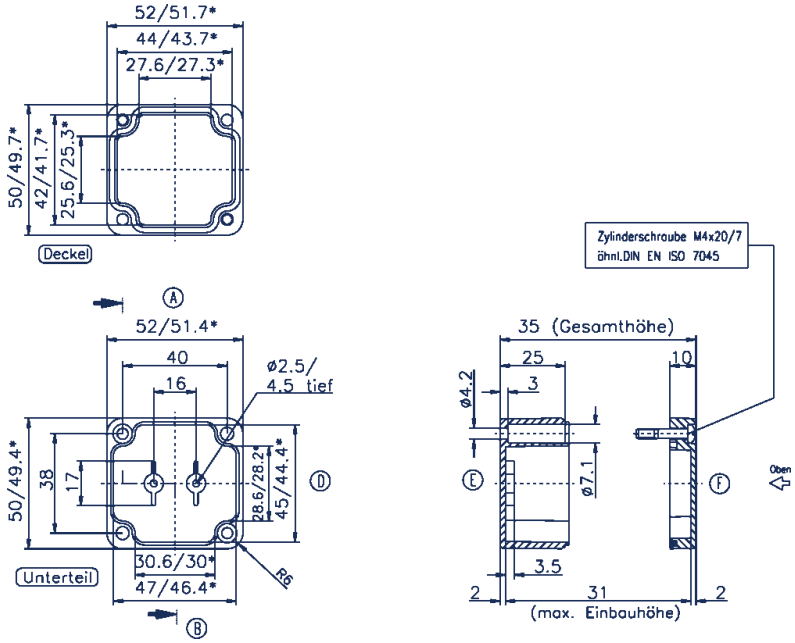
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	2	1	7	2	1
16	-	-	9	1	1
20	-	-	11	-	-
25	-	-	13.5	-	-
32	-	-	16	-	-
40	-	-	21	-	-
50	-	-	29	-	-
63	-	-	36	-	-
-	-	-	42	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**		
Mounting plate MP **Cat. no.**	MP /M-T/52 **4504.6**	1
Wall brackets WL **Cat. no.**		
External hinges (pair) AG **Cat. no.**		

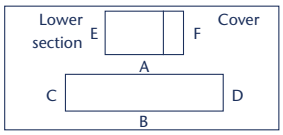
Dimension diagram



Polycarbonate housing CM 82/5...
ABS housing CT 82/5...

Outer dimensions, mm	82 x 80 x 55
Weight, g	140

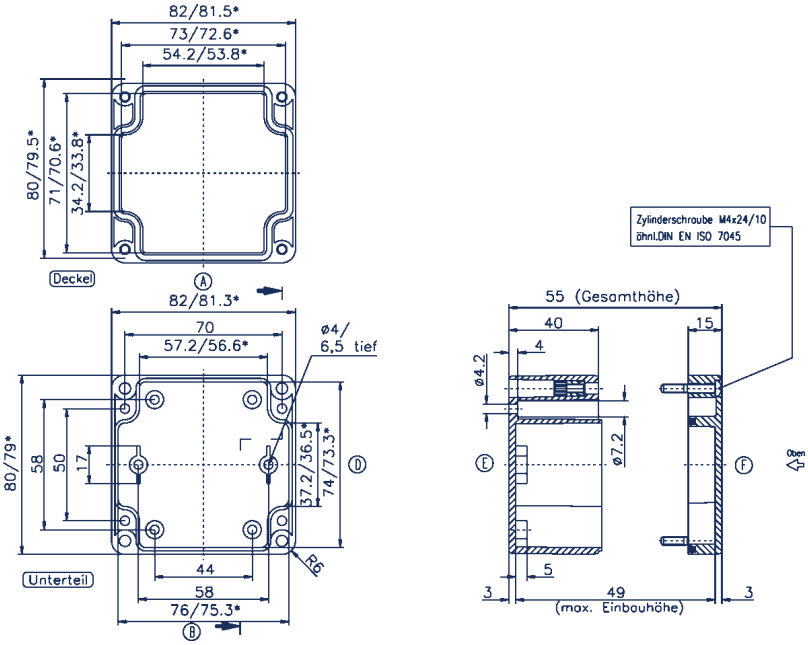
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	6	4	7	6	4
16	2	2	9	3	2
20	2	1	11	2	1
25	1	1	13.5	2	1
32	-	-	16	2	1
40	-	-	21	1	1
50	-	-	29	-	-
63	-	-	36	-	-
-	-	-	42	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**	TS 15 / 68 mm long **4507.8**	1
DIN rail section TS 35 **Cat. no.**		
Mounting plate MP **Cat. no.**	MP /M-T/82 **4504.8**	1
Wall brackets WL **Cat. no.**	WL (set) **4510.2**	1
External hinges (pair) AG **Cat. no.**	AG (pair) **4510.3**	1

Dimension diagram

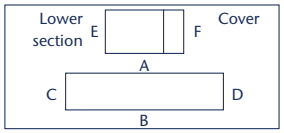


Polycarbonate housing CM | ABS housing CT

Polycarbonate housing CM 82/8
ABS housing CT 82/8...

Outer dimensions, mm	82 x 80 x 85
Weight, g	175

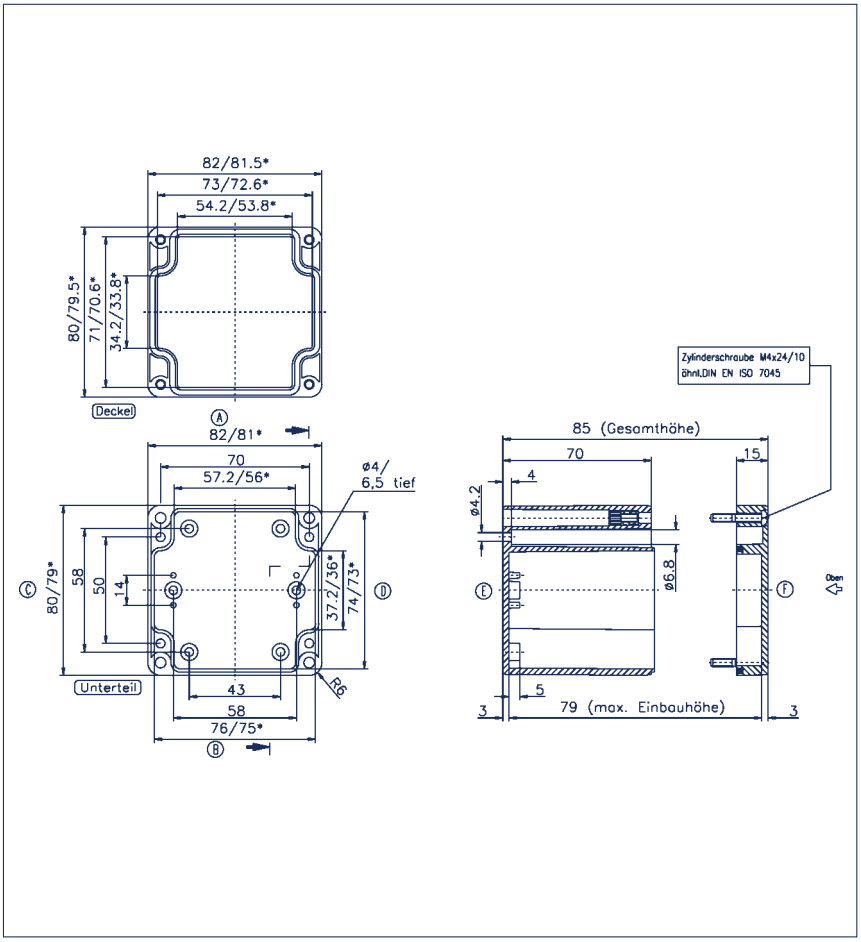
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	10	8	7	10	6
16	5	2	9	6	3
20	4	2	11	5	2
25	2	1	13.5	4	2
32	1	1	16	4	2
40	1	-	21	1	1
50	-	-	29	1	-
63	-	-	36	1	-
-	-	-	42	-	-
-	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 68 mm long	
Cat. no.	**4507.8**	1
DIN rail section TS 35		
Cat. no.		
Mounting plate MP	MP /M-T/82	
Cat. no.	**4504.8**	1
Wall brackets WL	WL (set)	
Cat. no.	**4510.2**	1
External hinges (pair) AG	AG (pair)	
Cat. no.	**4510.3**	1

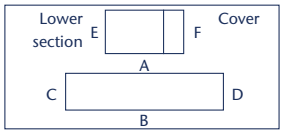
Dimension diagram



Polycarbonate housing CM 120/5...
ABS housing CT 120/5...

Outer dimensions, mm	120 x 80 x 55
Weight, g	180

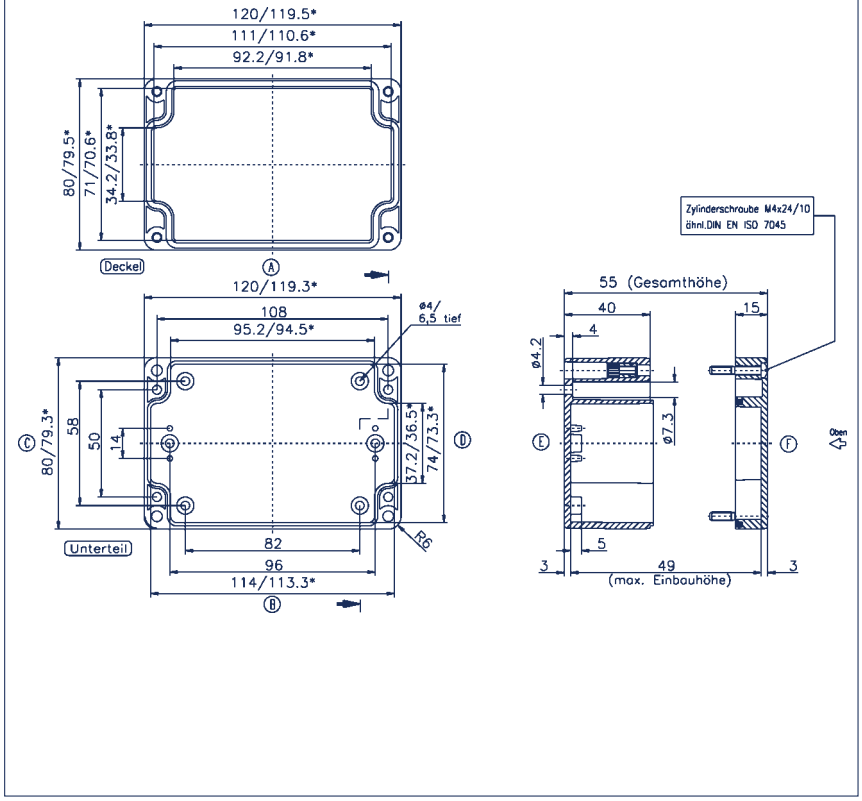
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	10	3	7	10	3
16	4	1	9	6	2
20	3	1	11	4	1
25	2	-	13.5	3	1
32	-	-	16	3	1
40	-	-	21	2	-
50	-	-	29	-	-
63	-	-	36	-	-
-	-	-	42	-	-
-	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 110 mm long	
Cat. no.	**4510.8**	1
DIN rail section TS 35		
Cat. no.		
Mounting plate MP	MP /M-T/120	
Cat. no.	**4505.0**	1
Wall brackets WL	WL (set)	
Cat. no.	**4510.2**	1
External hinges (pair) AG	AG (pair)	
Cat. no.	**4510.3**	1

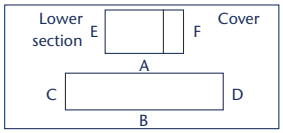
Dimension diagram



Polycarbonate housing CM 120/8...
ABS housing CT 120/8...

Outer dimensions, mm	120 x 80 x 85
Weight, g	225

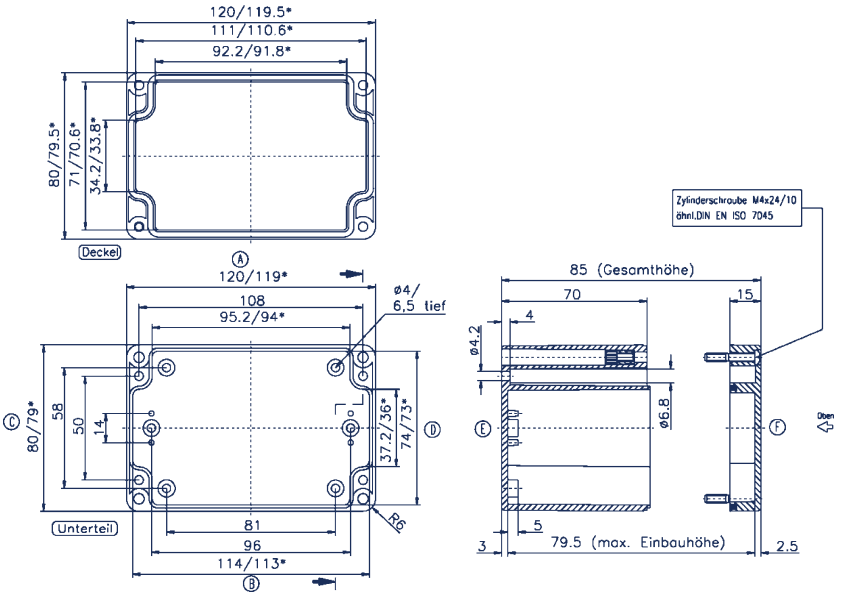
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	16	6	7	16	6
16	8	2	9	11	3
20	6	2	11	8	2
25	3	1	13.5	6	2
32	2	1	16	6	2
40	1	-	21	3	1
50	-	-	29	2	-
63	-	-	36	1	-
-	-	-	42	-	-
-	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 110 mm long	
Cat. no.	**4510.8**	1
DIN rail section TS 35		
Cat. no.		
Mounting plate MP	MP /M-T/120	
Cat. no.	**4505.0**	1
Wall brackets WL	WL (set)	
Cat. no.	**4510.2**	1
External hinges (pair) AG	AG (pair)	
Cat. no.	**4510.3**	1

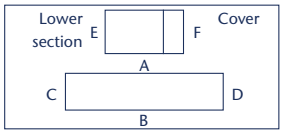
Dimension diagram



Polycarbonate housing CM 122/5...
ABS housing CT 122/5...

Outer dimensions, mm	122 x 120 x 55
Weight, g	240

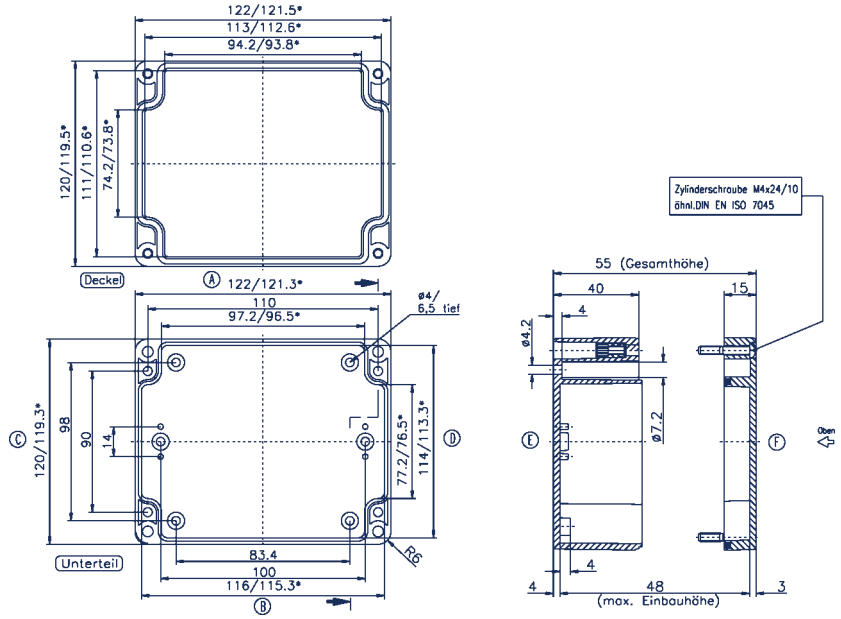
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	11	8	7	11	8
16	4	3	9	6	4
20	4	3	11	4	3
25	2	2	13.5	4	3
32	-	-	16	3	2
40	-	-	21	2	2
50	-	-	29	-	-
63	-	-	36	-	-
-	-	-	42	-	-
-	-	-	-	-	

Accessories		Qty.
DIN rail section TS 15	TS 15/110 mm long	
Cat. no.	**4510.8**	1
DIN rail section TS 35	TS 35 / 112 mm long	
Cat. no.	**4508.8**	1
Mounting plate MP	MP /M-T/122	
Cat. no.	**4505.4**	1
Wall brackets WL	WL (set)	
Cat. no.	**4510.2**	1
External hinges (pair) AG	AG (pair)	
Cat. no.	**4510.3**	1

Dimension diagram

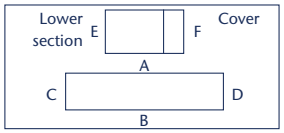


Polycarbonate housing CM | ABS housing CT

Polycarbonate housing CM 122/8...
ABS housing CT 122/8...

Outer dimensions, mm	122 x 120 x 80
Weight, g	300

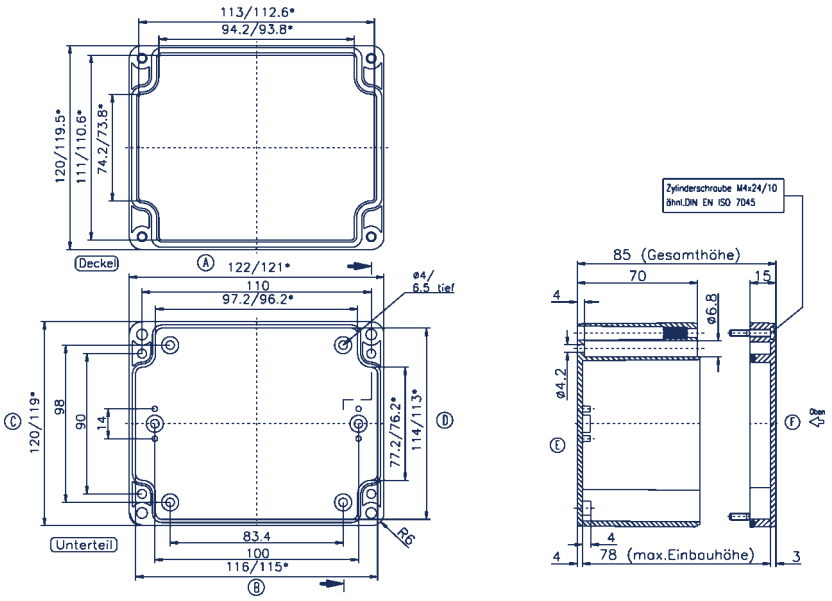
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	20	14	7	20	14
16	9	6	9	12	9
20	6	5	11	9	6
25	4	2	13.5	6	5
32	2	1	16	6	4
40	1	1	21	3	2
50	1	-	29	2	1
63	-	-	36	1	1
-	-	-	42	1	-
-	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 110 mm long	
Cat. no.	**4510.8**	1
DIN rail section TS 35	TS 35 / 112 mm long	
Cat. no.	**4508.8**	1
Mounting plate MP	MP /M-T/122	
Cat. no.	**4505.4**	1
Wall brackets WL	WL (set)	
Cat. no.	**4510.2**	1
External hinges (pair) AG	AG (pair)	
Cat. no.	**4510.3**	1

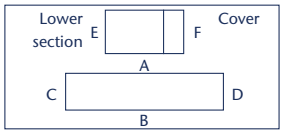
Dimension diagram



Polycarbonate housing CM 160/5...
ABS housing CT 160/5...

Outer dimensions, mm	160 x 80 x 55
Weight, g	235

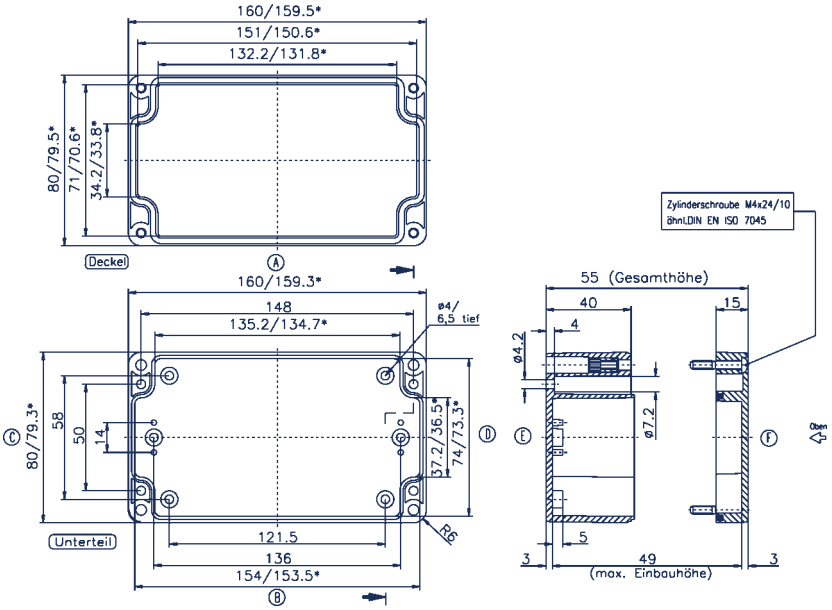
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	16	4	7	14	4
16	6	2	9	8	2
20	5	1	11	6	1
25	3	1	13.5	5	1
32	-	-	16	4	1
40	-	-	21	3	-
50	-	-	29	-	-
63	-	-	36	-	-
-	-	-	42	-	-
-	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 144 mm long	
Cat. no.	**4508.7**	1
DIN rail section TS 35		
Cat. no.		
Mounting plate MP	MP /M-T/160	
Cat. no.	**4505.2**	1
Wall brackets WL	WL (set)	
Cat. no.	**4510.2**	1
External hinges (pair) AG	AG (pair)	
Cat. no.	**4510.3**	1

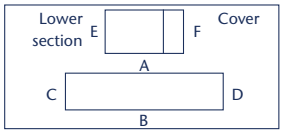
Dimension diagram



Polycarbonate housing CM 160/8...
ABS housing CT 160/8...

Outer dimensions, mm	160 x 80 x 85
Weight, g	295

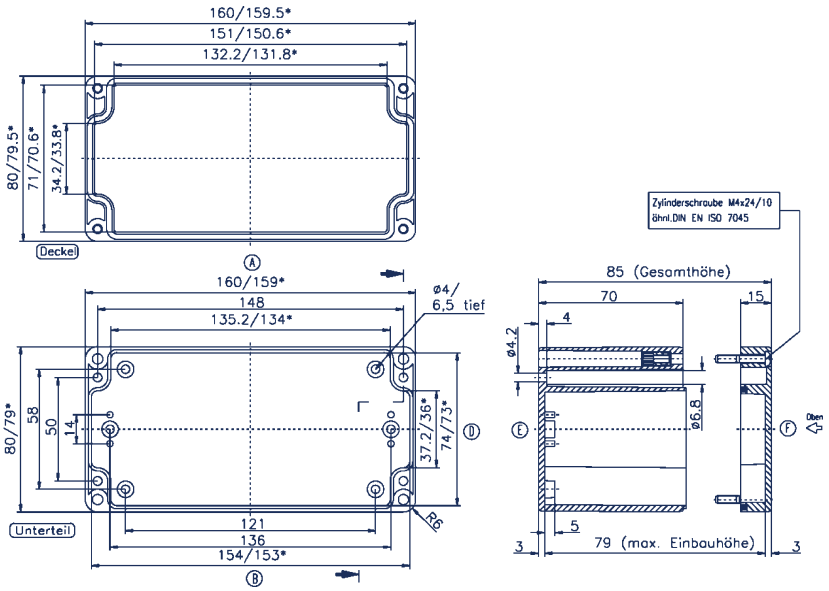
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	28	6	7	28	6
16	14	3	9	18	4
20	9	2	11	12	2
25	5	1	13.5	9	2
32	3	1	16	8	2
40	2	-	21	5	1
50	2	-	29	3	
63	-	-	36	2	
-	-	-	42	2	
-	-	-	-	-	

Accessories		Qty.
DIN rail section TS 15	TS 15 / 144 mm long	
Cat. no.	**4508.7**	1
DIN rail section TS 35		
Cat. no.		
Mounting plate MP	MP /M-T/160	
Cat. no.	**4505.2**	1
Wall brackets WL	WL (set)	
Cat. no.	**4510.2**	1
External hinges (pair) AG	AG (pair)	
Cat. no.	**4510.3**	1

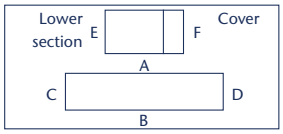
Dimension diagram



Polycarbonate housing CM 200/12...
ABS housing CT 200/12...

Outer dimensions, mm	200 x 120 x 75
Weight, g	400

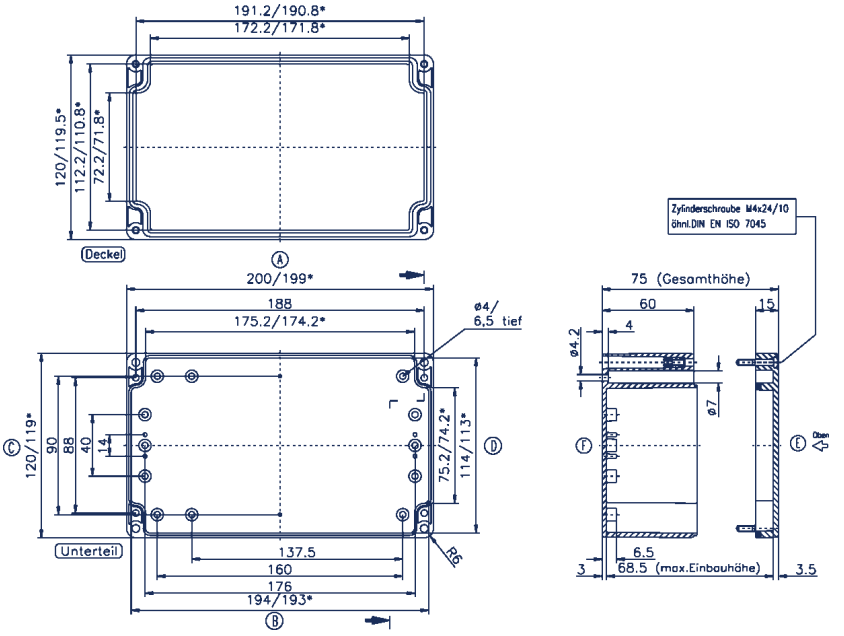
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	30	15	7	30	15
16	14	6	9	20	9
20	12	6	11	12	6
25	5	3	13.5	12	6
32	3	2	16	10	4
40	-	-	21	5	2
50	-	-	29	3	2
63	-	-	36	-	-
-	-	-	42	-	-
-	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 188 mm long	
Cat. no.	**4508.9**	1
DIN rail section TS 35	TS 35 / 188 mm long	
Cat. no.	**4509.0**	
Mounting plate MP	MP /M-T/200/12	
Cat. no.	**4505.6**	1
Wall brackets WL	WL (set)	
Cat. no.	**4510.2**	1
External hinges (pair) AG	AG (pair)	
Cat. no.	**4510.3**	1

Dimension diagram

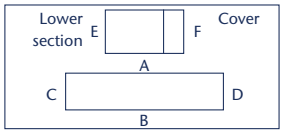


Polycarbonate housing CM | ABS housing CT

Polycarbonate housing CM 200/15...
ABS housing CT 200/15...

Outer dimensions, mm	200 x 150 x 75
Weight, g	525

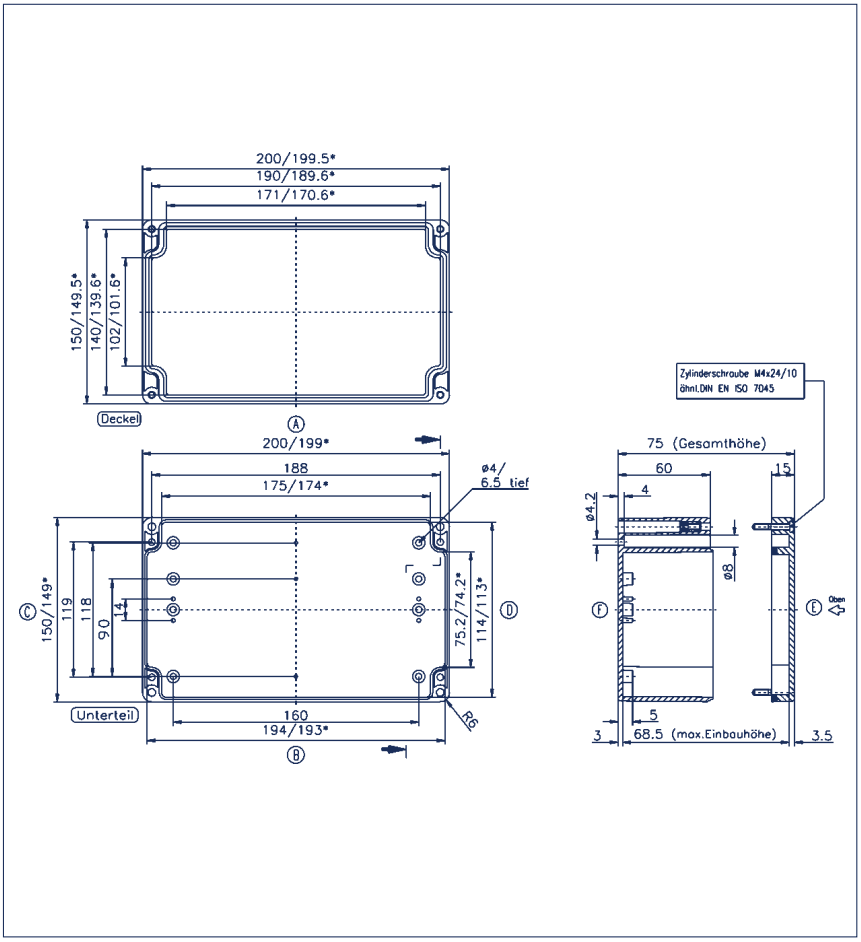
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	30	17	7	30	17
16	14	8	9	20	9
20	12	6	11	14	8
25	5	3	13.5	12	6
32	3	2	16	10	4
40	-	-	21	5	3
50	-	-	29	3	2
63	-	-	36	-	-
-	-	-	42	-	-
-	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 170 mm long **4509.0**	1
Mounting plate MP **Cat. no.**	MP /M-T/200/15 **4505.8**	1
Wall brackets WL **Cat. no.**	WL (set) **4510.2**	1
External hinges (pair) AG **Cat. no.**	AG (pair) **4510.3**	1

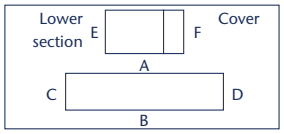
Dimension diagram



Polycarbonate housing CM 240...
ABS housing CT 240...

Outer dimensions, mm	240 x 120 x 100
Weight, g	520

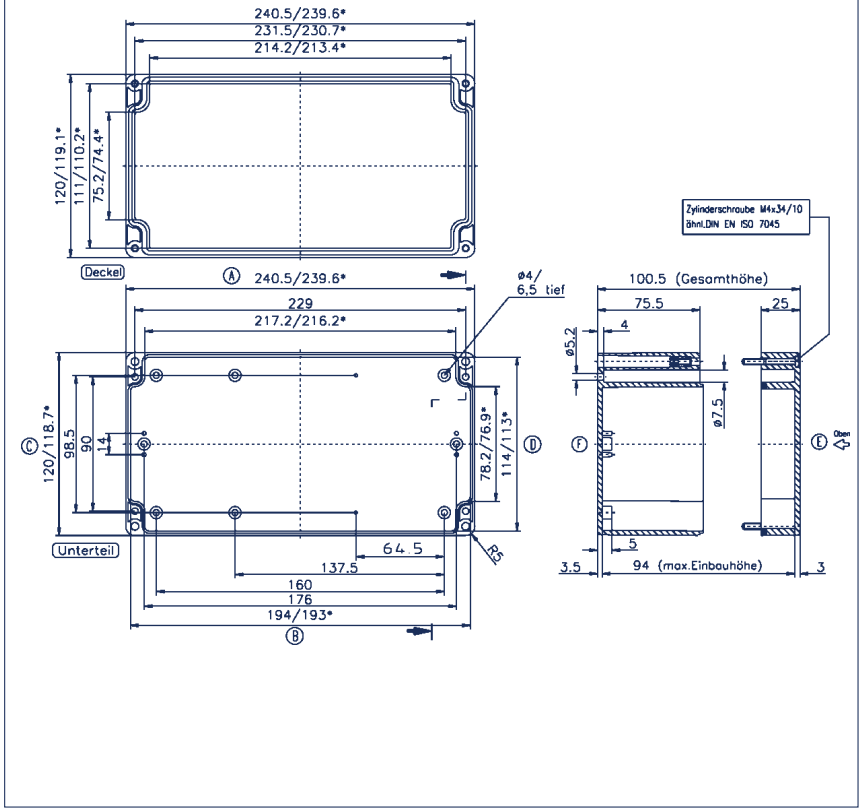
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	48	16	7	48	16
16	24	8	9	30	9
20	17	5	11	21	6
25	10	3	13.5	17	5
32	5	1	16	14	5
40	3	1	21	9	3
50	3	1	29	5	1
63	-	-	36	3	1
-	-	-	42	3	1
-	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 230 mm long **4509.1**	1
Mounting plate MP **Cat. no.**	MP /M-T/240 **4506.0**	1
Wall brackets WL **Cat. no.**	WL (set) **4510.2**	1
External hinges (pair) AG **Cat. no.**	AG (pair) **4510.3**	1

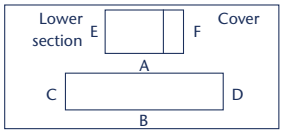
Dimension diagram



Polycarbonate housing CM 240/9...
ABS housing CT 240/9...

Outer dimensions, mm	240 x 160 x 90
Weight, g	650

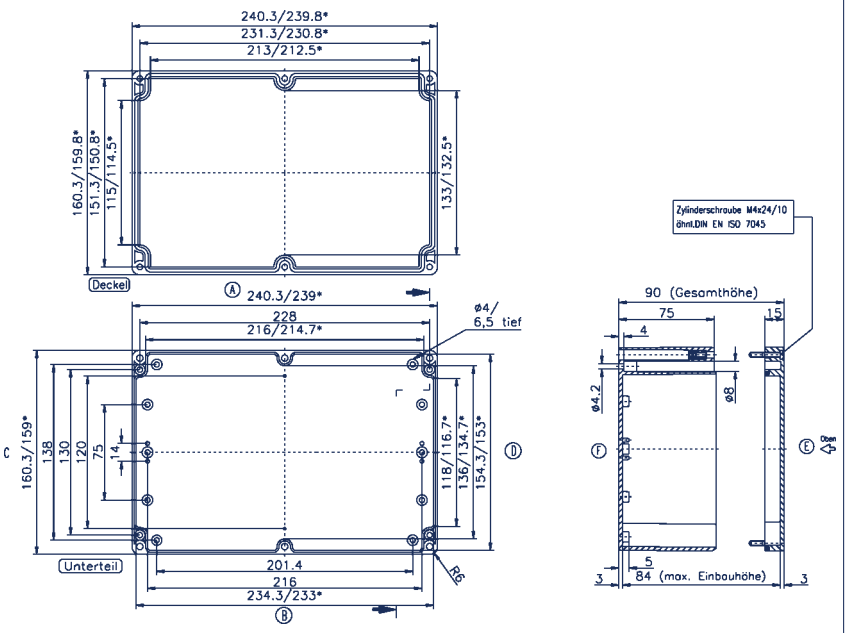
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	40	26	7	40	26
16	18	11	9	24	15
20	12	8	11	16	11
25	8	4	13.5	12	8
32	4	2	16	12	8
40	2	2	21	6	4
50	2	1	29	4	2
63	-	-	36	2	2
-	-	-	42	2	1
-	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 230 mm long **4509.1**	1
Mounting plate MP **Cat. no.**	MP /M-T/240 **4506.0**	1
Wall brackets WL **Cat. no.**	WL (set) **4510.2**	1
External hinges (pair) AG **Cat. no.**	AG (pair) **4510.3**	1

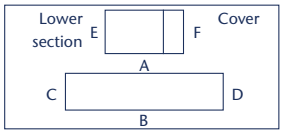
Dimension diagram



Polycarbonate housing CM 240/12...
ABS housing CT 240/12...

Outer dimensions, mm	240 x 160 x 120
Weight, g	795

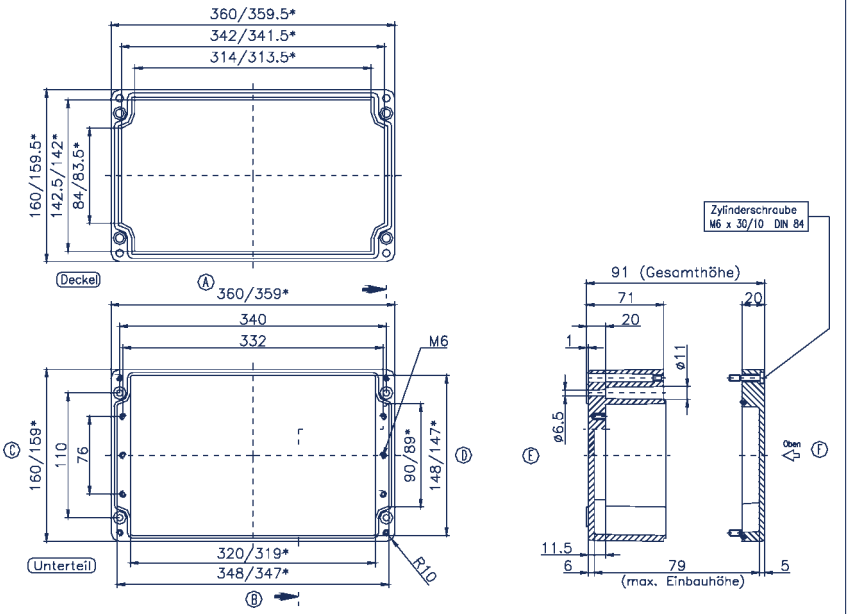
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	40	26	7	40	26
16	22	12	9	24	15
20	16	9	11	18	12
25	8	5	13.5	16	9
32	4	3	16	12	8
40	2	2	21	8	5
50	2	1	29	4	2
63	-	-	36	2	2
-	-	-	42	2	1
-	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 230 mm long **4509.1**	1
Mounting plate MP **Cat. no.**	MP /M-T/240 **4506.0**	1
Wall brackets WL **Cat. no.**	WL (set) **4510.2**	1
External hinges (pair) AG **Cat. no.**	AG (pair) **4510.3**	1

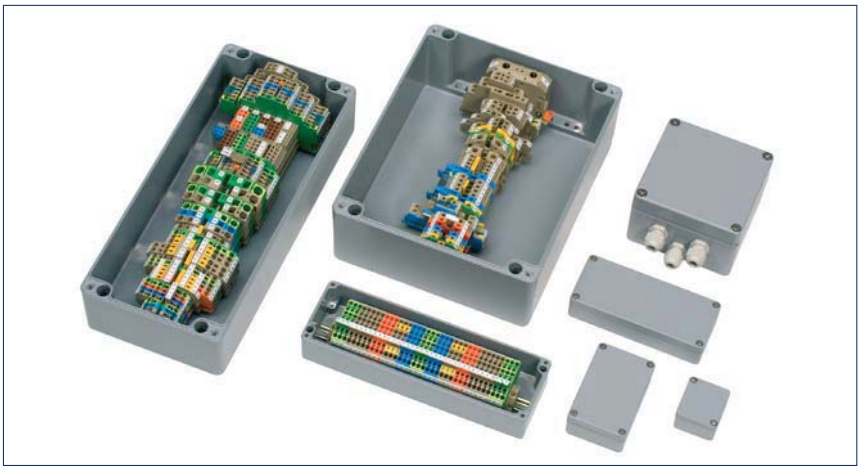
Dimension diagram



Aluminium housing, CA

Aluminium housing

Material: Aluminium
Protection: IP 66
Impact resistant
halogen-free and cadmium-free
A comprehensive line of accessories



Technical data

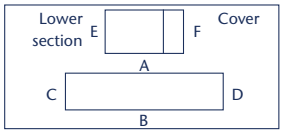
Material	DIN EN 1706 EN AC-AlSi 12 (Fe)
Protection	IP66
Toxicity characteristics	halogen-free and cadmium-free
Flamm. class acc. to UL 94	-
Thermal stability	-40°C to +90°C
Chemical resistance	good
Sea water resistance	good
UV resistance	very good
Colour	silver grey RAL 7001
Impact resistance	> 7 Joule, EN50014

Outer dimensions			Dimension diagram	Aluminium powder coated, silver-grey	
L	B	H	Page	Type	Cat. no.
50	45	30	475	CA 50/30	**4000.0**
58	64	34	475	CA 58/34	**4001.0**
75	80	57	476	CA 75/57	**4003.0**
98	64	34	476	CA 98/34	**4002.0**
122	120	80	477	CA122/80	**4007.0**
125	80	57	477	CA 125/57	**4004.0**
150	64	34	478	CA 150/34	**4005.0**
160	160	90	478	CA 160/90	**4010.0**
175	80	57	479	CA 175/57	**4006.0**
200	230	110	479	CA 200/110	**4016.0**
220	120	80	480	CA 220/80	**4008.0**
220	120	90	480	CA 220/90	**4009.0**
250	80	52	481	CA 250/52	**4014.0**
260	160	90	481	CA 260/90	**4011.0**
280	180	100	482	CA 280/100	**4438.0**
280	230	110	482	CA 280/110	**4017.0**
330	230	110	483	CA 330/110	**4018.0**
330	230	180	483	CA 330/180	**4019.0**
360	120	80	484	CA 360/80	**4015.0**
360	160	90	484	CA 360/90	**4012.0**
560	160	90	485	CA 560/90	**4013.0**

Aluminium housing, CA 50/30

Outer dimensions, mm	50 x 45 x 30
Weight, g	70

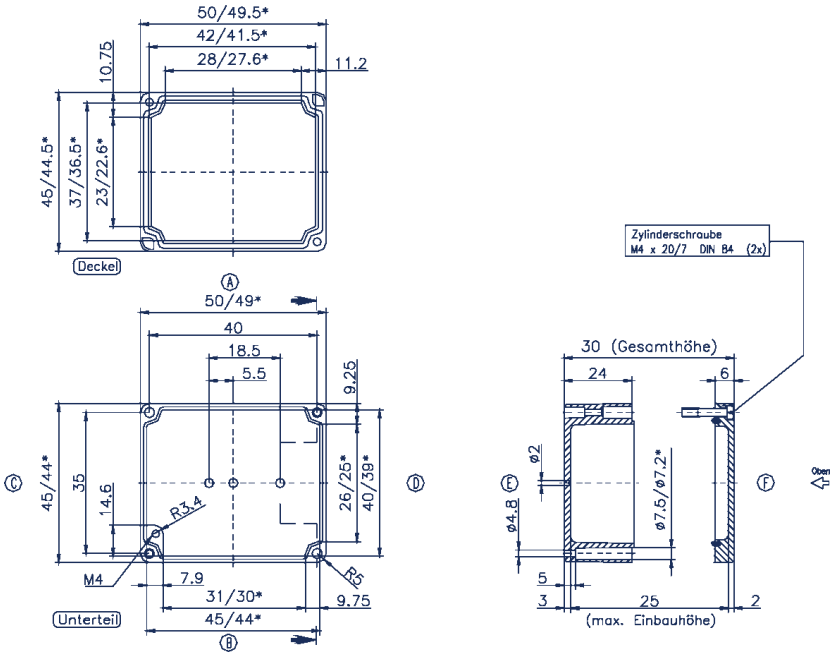
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	-	-	7	2	1
16	-	-	9	1	-
20	-	-	11	-	-
25	-	-	13.5	-	-
32	-	-	16	-	-
40	-	-	21	-	-
50	-	-	29	-	-
63	-	-	36	-	-
-	-	-	42	-	-

Accessories	Qty.

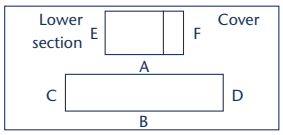
Dimension diagram



Aluminium housing, CA 58/34

Outer dimensions, mm	58 x 64 x 34
Weight, g	140

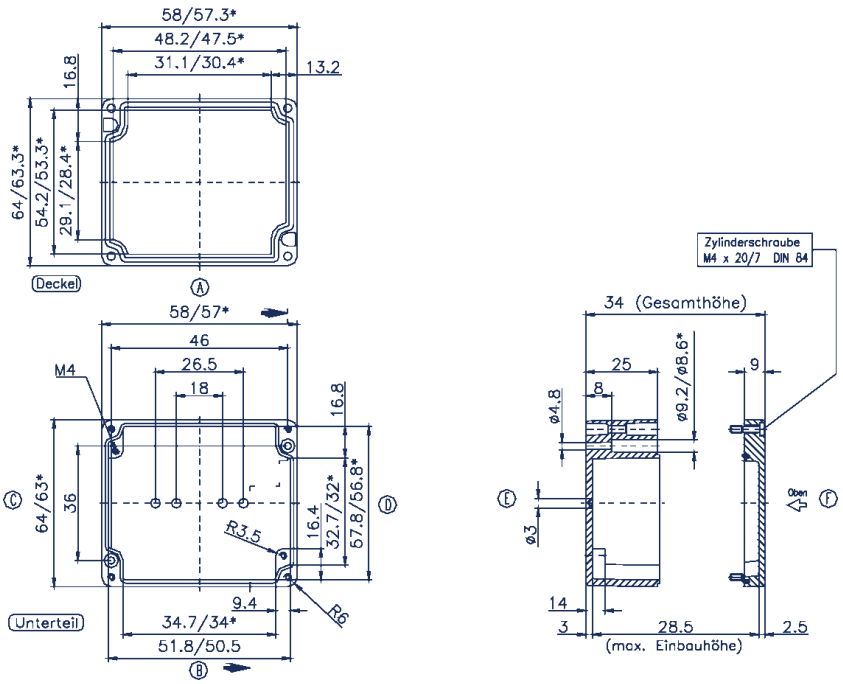
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	2	1	7	2	1
16	-	-	9	1	1
20	-	-	11	-	-
25	-	-	13.5	-	-
32	-	-	16	-	-
40	-	-	21	-	-
50	-	-	29	-	-
63	-	-	36		
-	-	-	42		

Accessories	Qty.

Dimension diagram

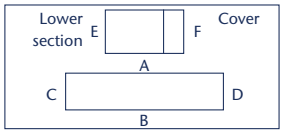


Aluminium housing, CA

Aluminium housing, CA 75/57

Outer dimensions, mm	75 x 80 x 57
Weight, g	280

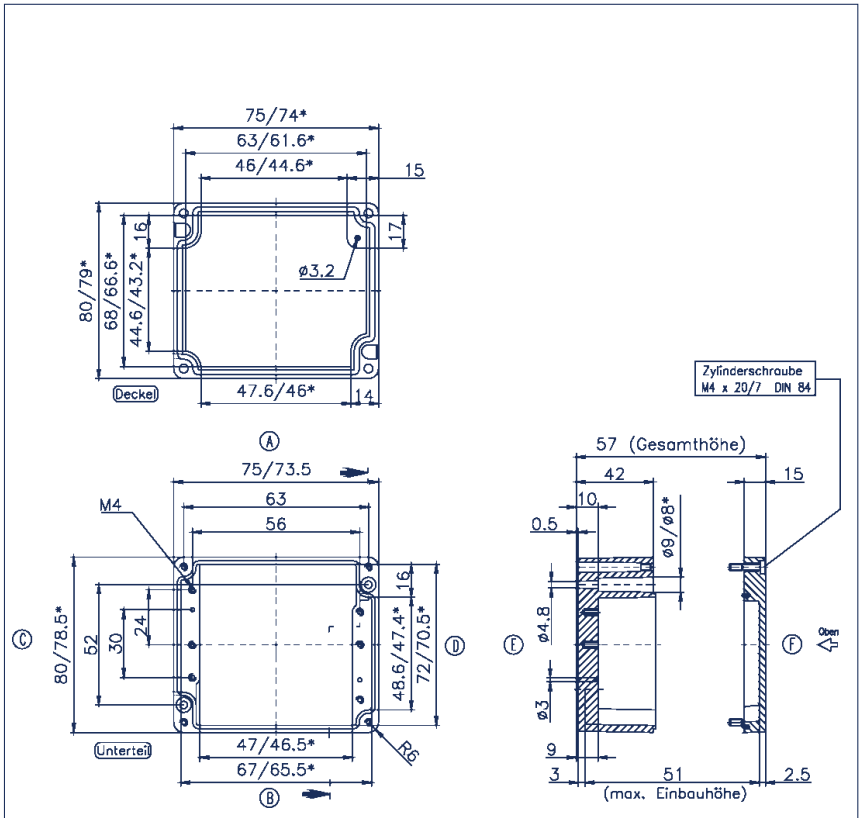
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	6	5	7	6	5
16	2	2	9	4	2
20	2	2	11	2	2
25	1	-	13.5	2	2
32	-	-	16	1	1
40	-	-	21	1	-
50	-	-	29	-	-
63	-	-	36	-	-
-	-	-	42	-	-
-	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 61 mm long	
Cat. no.	**4510.7**	1
DIN rail section TS 35		
Cat. no.		
Mounting screw BS	BS M 4x5	
Cat. no.	**4557.0**	100
Mounting plate MP	MP /A 75	
Cat. no.	**4500.7**	1
Wall brackets WL		
Cat. no.		
External hinges (pair) AG		
Cat. no.		

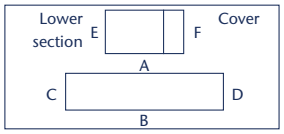
Dimension diagram



Aluminium housing, CA 98/34

Outer dimensions, mm	98 x 64 x 34
Weight, g	200

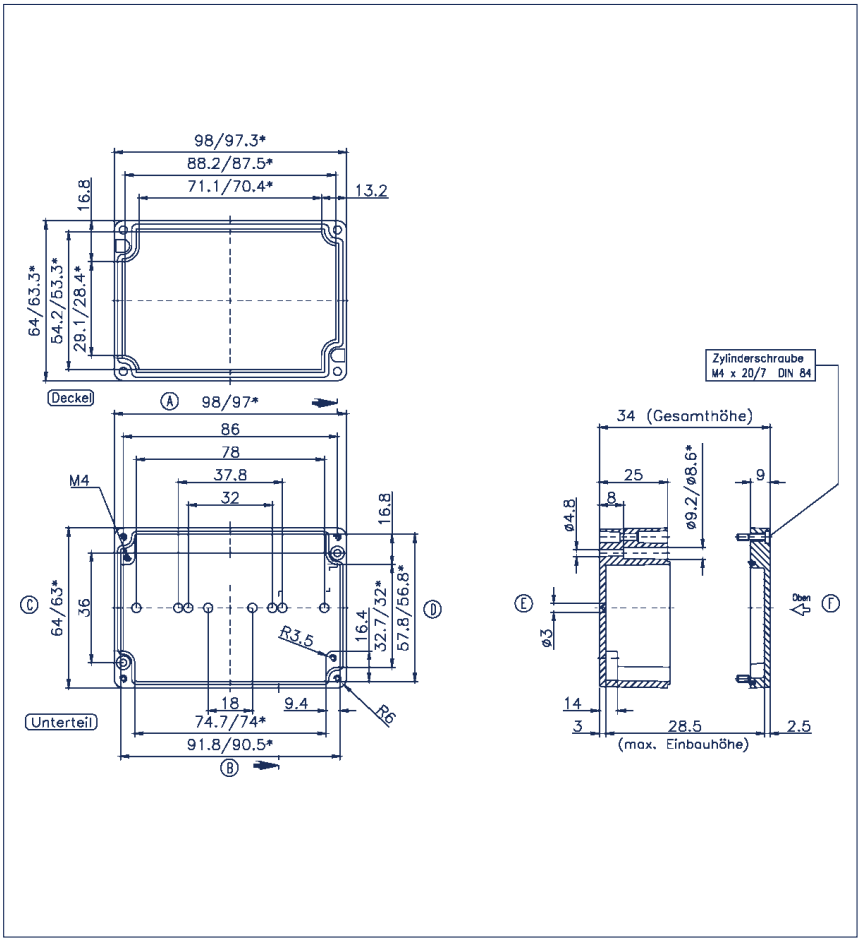
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	4	1	7	4	1
16	-	-	9	3	1
20	-	-	11	-	-
25	-	-	13.5	-	-
32	-	-	16	-	-
40	-	-	21	-	-
50	-	-	29	-	-
63	-	-	36	-	-
-	-	-	42	-	-
-	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 87 mm long	
Cat. no.	**4559.2**	1
DIN rail section TS 35		
Cat. no.		
Mounting screw BS	BS M 4x5	
Cat. no.	**4557.0**	100
Mounting plate MP		
Cat. no.		
Wall brackets WL		
Cat. no.		
External hinges (pair) AG		
Cat. no.		

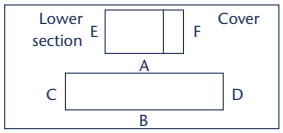
Dimension diagram



Aluminium housing, CA 122/80

Outer dimensions, mm	122 x 120 x 80
Weight, g	940

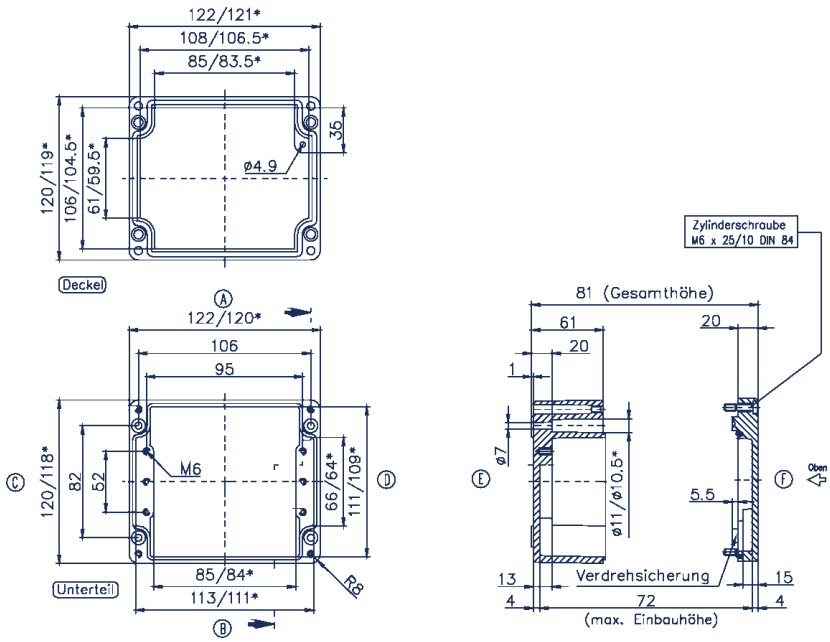
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	16	11	7	16	11
16	8	5	9	11	6
20	6	4	11	6	4
25	3	2	13.5	6	3
32	2	1	16	5	2
40	-	-	21	2	2
50	-	-	29	2	1
63	-	-	36	-	-
-	-	-	42	-	-
-	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 107 mm long **4507.1**	1
Mounting screw BS **Cat. no.**	BS M 6x8 **4558.0**	100
Mounting plate MP **Cat. no.**	MP /A 122 **4500.5**	1
Wall brackets WL **Cat. no.**	WL (set) **4509.3**	1
External hinges (pair) AG **Cat. no.**	AG (pair) **4509.6**	1

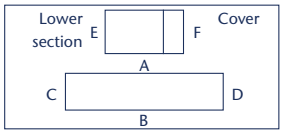
Dimension diagram



Aluminium housing, CA 125/57

Outer dimensions, mm	125 x 80 x 57
Weight, g	355

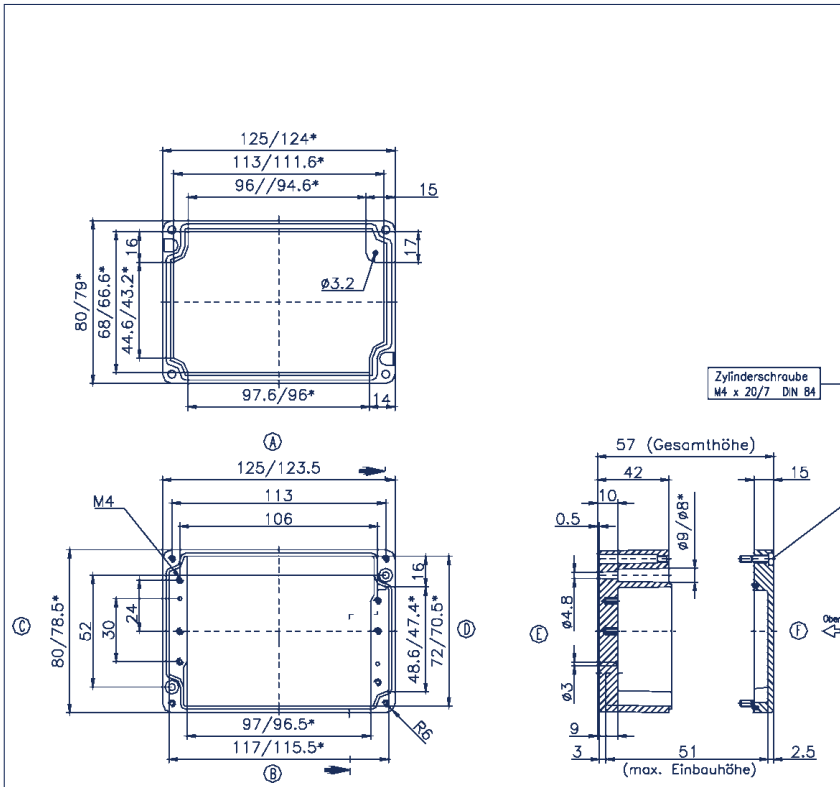
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	12	5	7	12	5
16	5	2	9	8	2
20	4	2	11	5	2
25	3	-	13.5	4	2
32	-	-	16	3	1
40	-	-	21	2	-
50	-	-	29	-	-
63	-	-	36	-	-
-	-	-	42	-	-
-	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**	TS 15/110 mm long **4510.8**	1
DIN rail section TS 35 **Cat. no.**		
Mounting screw BS **Cat. no.**	BS M 4x5 **4557.0**	100
Mounting plate MP **Cat. no.**	MP /A 125 **4500.9**	1
Wall brackets WL **Cat. no.**	WL (set) **4509.3**	1
External hinges (pair) AG **Cat. no.**		

Dimension diagram

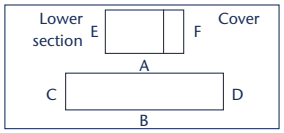


Aluminium housing, CA

Aluminium housing, CA 150/34

Outer dimensions, mm	150 x 64 x 34
Weight, g	330

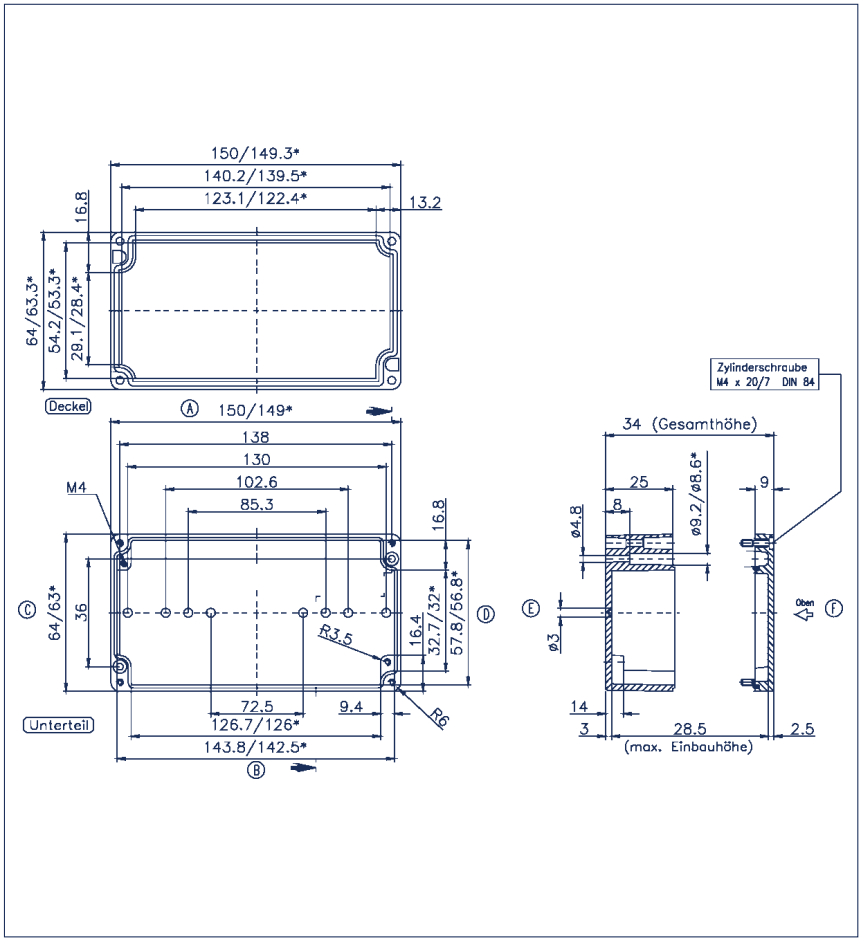
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	8	1	7	8	1
16	-	-	9	6	1
20	-	-	11	-	-
25	-	-	13.5	-	-
32	-	-	16	-	-
40	-	-	21	-	-
50	-	-	29	-	-
63	-	-	36	-	-
-	-	-	42	-	-
-	-	-	-	-	-

Accessories	Qty.

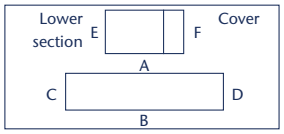
Dimension diagram



Aluminium housing, CA 160/90

Outer dimensions, mm	160 x 160 x 90
Weight, g	1480

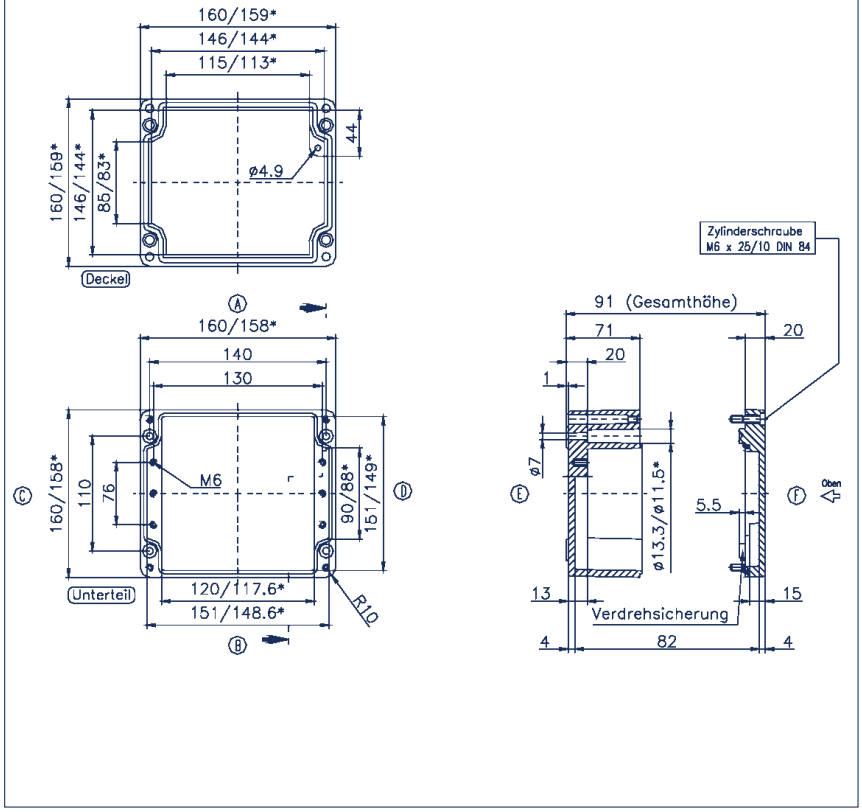
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	26	16	7	26	16
16	12	8	9	15	11
20	9	6	11	12	6
25	5	3	13.5	9	6
32	3	2	16	8	5
40	2	1	21	5	3
50	2	-	29	2	2
63	-	-	36	2	1
-	-	-	42	1	-
-	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 144 mm long **4507.4**	
Mounting screw BS **Cat. no.**	BS M 6x8 **4558.0**	100
Mounting plate MP **Cat. no.**	MP /A 160 **4501.9**	1
Wall brackets WL **Cat. no.**	WL (set) **4509.4**	1
External hinges (pair) AG **Cat. no.**	AG (pair) **4509.6**	1

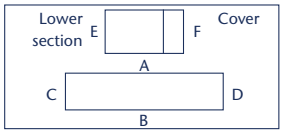
Dimension diagram



Aluminium housing, CA 175/57

Outer dimensions, mm	175 x 80 x 57
Weight, g	530

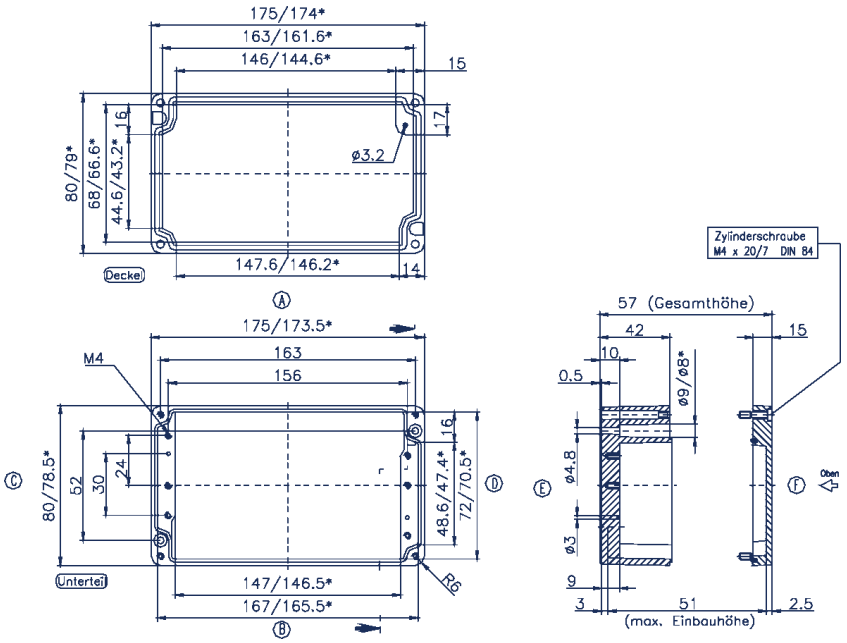
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	17	5	7	17	5
16	7	2	9	11	2
20	6	2	11	7	2
25	4	-	13.5	6	2
32	-	-	16	5	1
40	-	-	21	4	-
50	-	-	29	-	-
63	-	-	36	-	-
-	-	-	42	-	-
-	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15	TS 15 / 160 mm long	
Cat. no.	**4507.0**	1
DIN rail section TS 35	TS 35 / 160 mm long	
Cat. no.	**4510.9**	1
Mounting screw BS	BS M 4x5	
Cat. no.	**4557.0**	100
Mounting plate MP	MP /A 175	
Cat. no.	**4501.3**	1
Wall brackets WL		
Cat. no.		
External hinges (pair) AG		
Cat. no.		

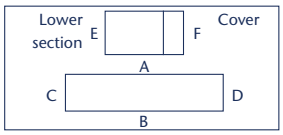
Dimension diagram



Aluminium housing, CA 200/110

Outer dimensions, mm	200 x 230 x 110
Weight, g	2420

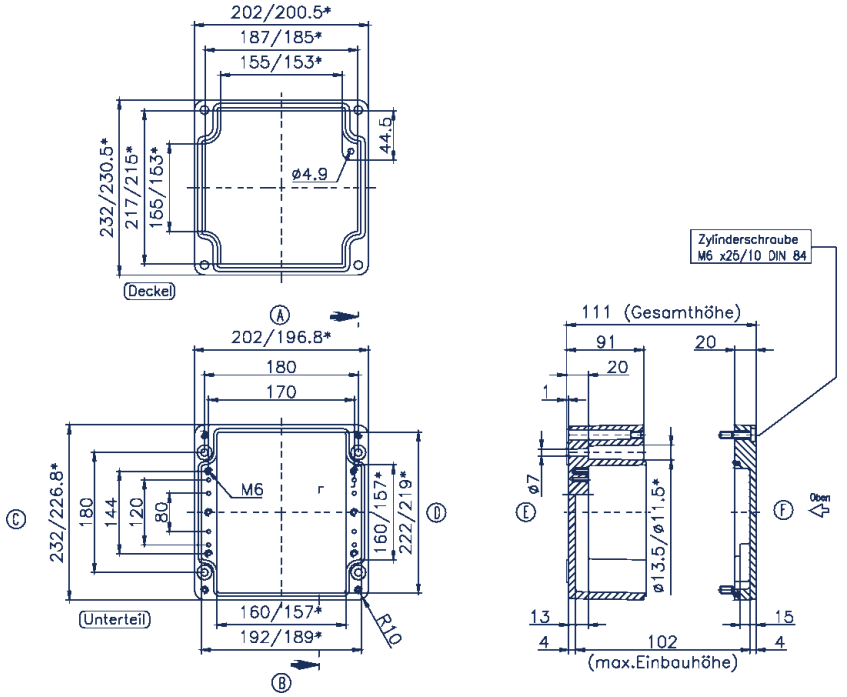
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	45	45	7	45	45
16	22	18	9	28	28
20	18	17	11	20	18
25	8	8	13.5	18	17
32	6	5	16	15	12
40	3	3	21	8	8
50	2	2	29	5	4
63	2	2	36	3	3
-	-	-	42	2	2
-	-	-	48	2	2

Accessories		Qty.
DIN rail section TS 15		
Cat. no.		
DIN rail section TS 35	TS 35 / 186 mm long	
Cat. no.	**4560.1**	1
Mounting screw BS	BS M 6x8	
Cat. no.	**4558.0**	100
Mounting plate MP	MP /A 2023	
Cat. no.	**4512.6**	1
Wall brackets WL	WL (set)	
Cat. no.	**4509.4**	1
External hinges (pair) AG	AG (pair)	
Cat. no.	**4509.6**	1

Dimension diagram

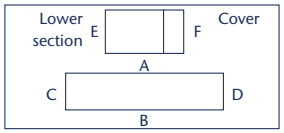


Aluminium housing, CA

Aluminium housing, CA 220/80

Outer dimensions, mm	220 x 120 x 80
Weight, g	1390

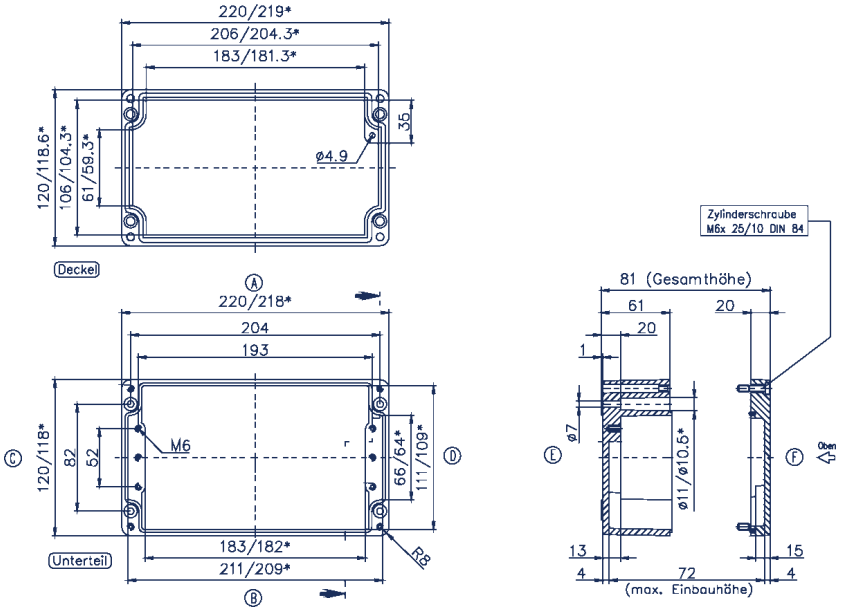
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	34	11	7	34	11
16	15	6	9	24	6
20	14	4	11	15	4
25	6	2	13.5	14	4
32	4	1	16	11	2
40	-	-	21	6	2
50	-	-	29	4	1
63	-	-	36	-	-
-	-	-	42	-	-
-	-	-	-	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 208 mm long **4507.3**	1
Mounting screw BS **Cat. no.**	BS M 6x8 **4558.0**	100
Mounting plate MP **Cat. no.**	MP/220/8/9 **4501.7**	1
Wall brackets WL **Cat. no.**	WL (set) **4509.4**	1
External hinges (pair) AG **Cat. no.**	AG (pair) **4509.6**	1

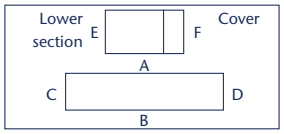
Dimension diagram



Aluminium housing, CA 220/90

Outer dimensions, mm	220 x 120 x 90
Weight, g	1410

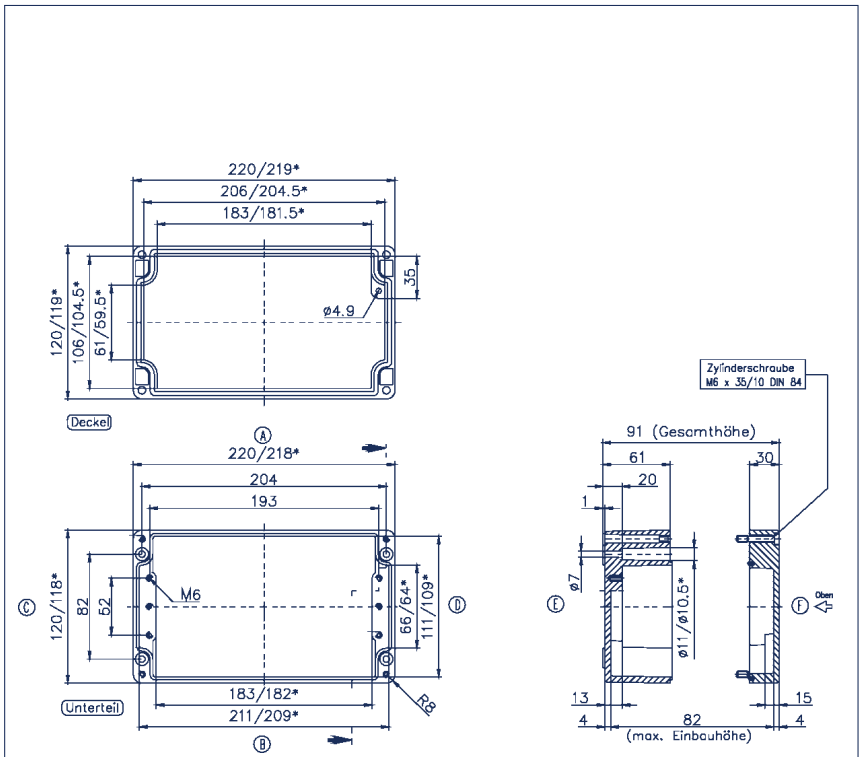
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	34	11	7	34	11
16	15	6	9	24	6
20	14	4	11	15	4
25	6	2	13.5	14	4
32	4	1	16	11	2
40	-	-	21	6	2
50	-	-	29	4	1
63	-	-	36	-	-
-	-	-	42	-	-
-	-	-	48	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 205 mm long **4507.3**	1
Mounting screw BS **Cat. no.**	BS M 6x8 **4558.0**	100
Mounting plate MP **Cat. no.**	MP/220/8/9 **4501.7**	1
Wall brackets WL **Cat. no.**	WL (set) **4509.4**	1
External hinges (pair) AG **Cat. no.**	AG (pair) **4509.6**	1

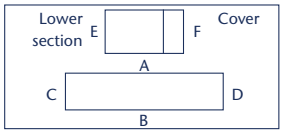
Dimension diagram



Aluminium housing, CA 250/52

Outer dimensions, mm	250 x 80 x 52
Weight, g	710

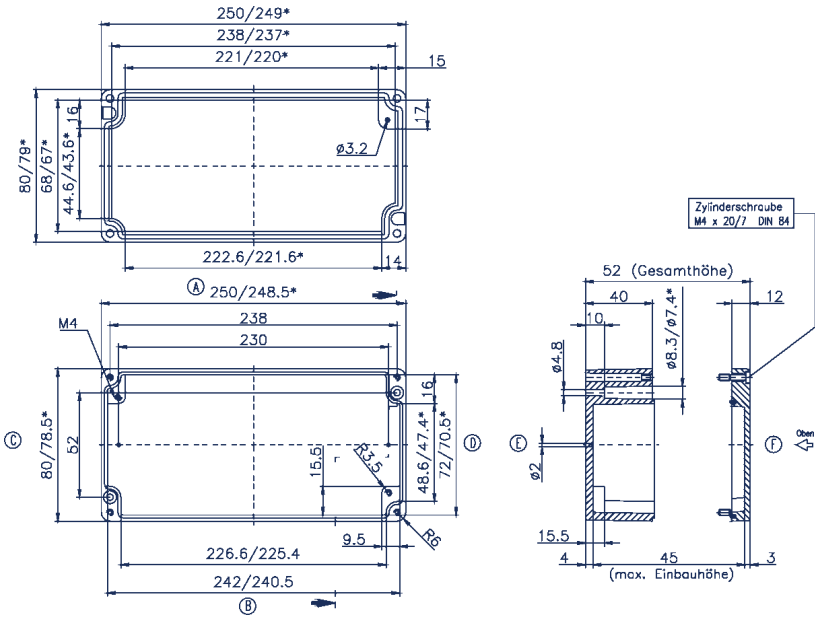
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	26	6	7	26	6
16	10	2	9	17	3
20	9	2	11	10	2
25	6	1	13.5	9	2
32	-	-	16	7	1
40	-	-	21	4	1
50	-	-	29	-	-
63	-	-	36	-	-
-	-	-	42	-	-
-	-		48	-	-

Accessories	Qty.

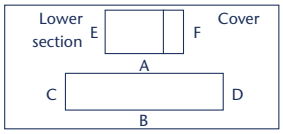
Dimension diagram



Aluminium housing, CA 260/90

Outer dimensions, mm	260 x 160 x 90
Weight, g	2010

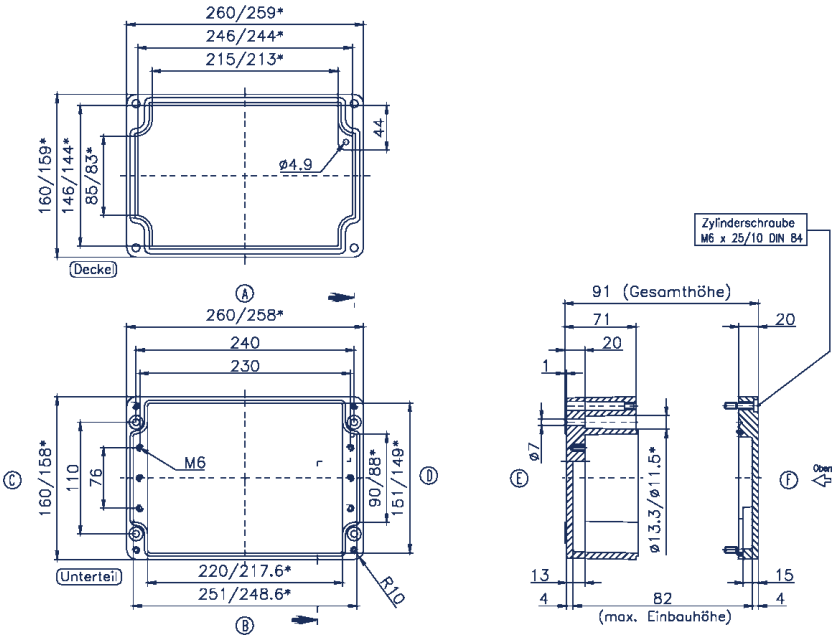
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	50	16	7	50	16
16	24	8	9	30	11
20	17	6	11	23	6
25	10	3	13.5	17	6
32	5	2	16	14	5
40	3	1	21	9	3
50	3	-	29	5	2
63	-	-	36	3	1
-	-	-	42	3	-
-	-	-	48	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 248 mm long **4507.5**	1
Mounting screw BS **Cat. no.**	BS M 6x8 **4558.0**	100
Mounting plate MP **Cat. no.**	MP /A 260 **4502.1**	1
Wall brackets WL **Cat. no.**	WL (set) **4509.4**	1
External hinges (pair) AG **Cat. no.**	AG (pair) **4509.6**	1

Dimension diagram



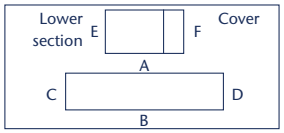
HOUSING SYSTEMS

Aluminium housing, CA

Aluminium housing, CA 280/100

Outer dimensions, mm	280 x 180 x 100
Weight, g	2900

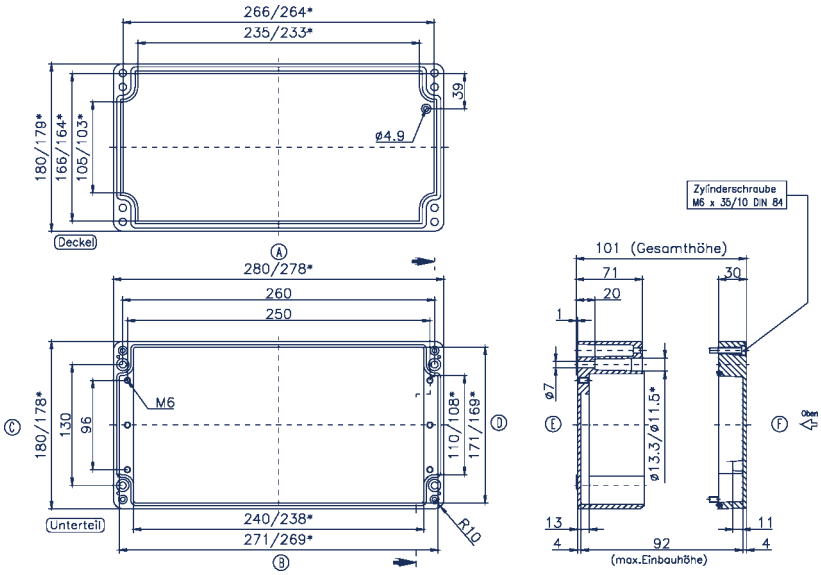
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	52	22	7	52	22
16	26	10	9	33	15
20	18	8	11	23	10
25	11	4	13.5	18	8
32	5	2	16	14	7
40	4	2	21	10	4
50	3	-	29	5	2
63	-	-	36	4	2
-	-	-	42	3	-
-	-	-	48	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 264 mm long **4570.0**	1
Mounting screw BS **Cat. no.**	BS M 6x8 **4558.0**	100
Mounting plate MP **Cat. no.**	MP /A 280 **4571.0**	1
Wall brackets WL **Cat. no.**	WL (set) **4509.4**	1
External hinges (pair) AG **Cat. no.**	AG (pair) **4509.6**	1

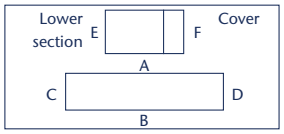
Dimension diagram



Aluminium housing, CA 280/110

Outer dimensions, mm	280 x 230 x 110
Weight, g	2970

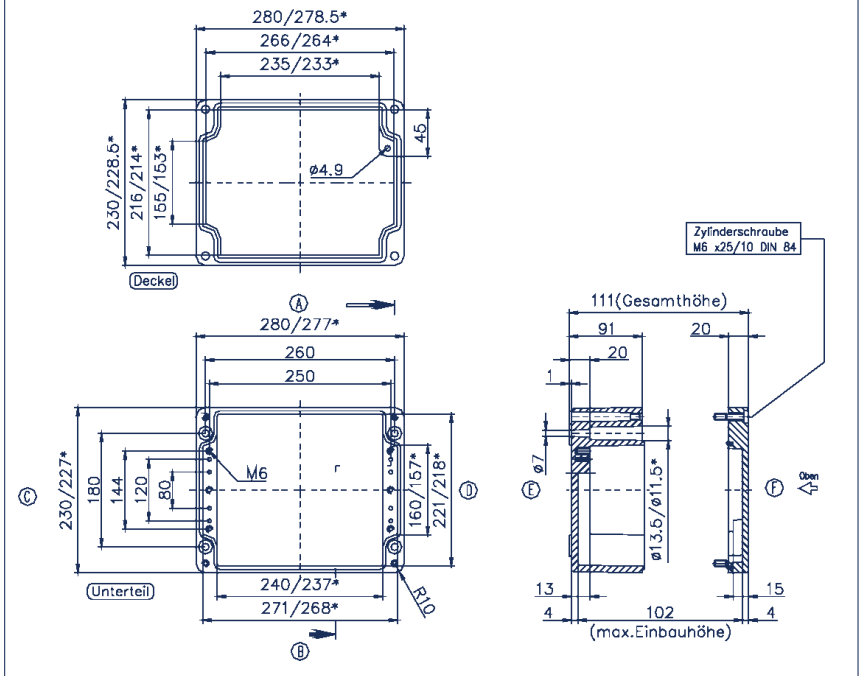
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	70	45	7	68	45
16	32	18	9	44	28
20	24	17	11	32	18
25	12	8	13.5	24	17
32	9	5	16	21	12
40	4	3	21	12	8
50	3	2	29	9	4
63	3	2	36	4	3
-	-	-	42	3	2
-	-	-	48	3	2

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 264 mm long **4570.0**	1
Mounting screw BS **Cat. no.**	BS M 6x8 **4558.0**	100
Mounting plate MP **Cat. no.**	MP /A 280 **4571.0**	1
Wall brackets WL **Cat. no.**	WL (set) **4509.4**	1
External hinges (pair) AG **Cat. no.**	AG (pair) **4509.6**	1

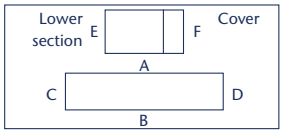
Dimension diagram



Aluminium housing, CA 330/110

Outer dimensions, mm	330 x 230 x 110
Weight, g	3370

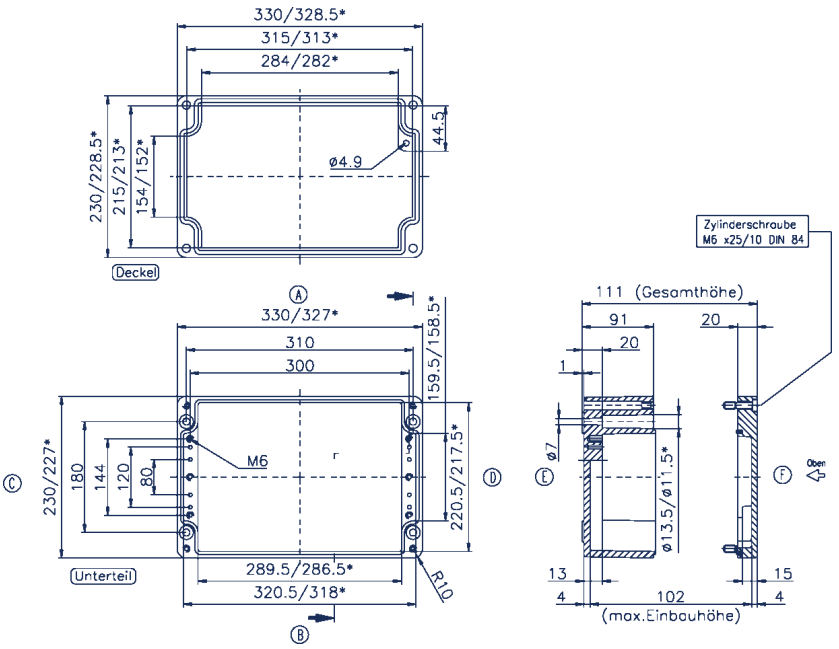
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	84	45	7	81	45
16	42	18	9	52	28
20	30	17	11	38	18
25	15	8	13.5	30	17
32	11	5	16	27	12
40	5	3	21	15	8
50	4	2	29	11	4
63	4	2	36	5	3
-	-	-	42	4	2
-	-		48	4	2

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 314 mm long **4560.3**	1
Mounting screw BS **Cat. no.**	BS M 6x8 **4558.0**	100
Mounting plate MP **Cat. no.**	MP /A 3323 **4512.8**	1
Wall brackets WL **Cat. no.**	WL (set) **4509.4**	1
External hinges (pair) AG **Cat. no.**	AG (pair) **4509.6**	1

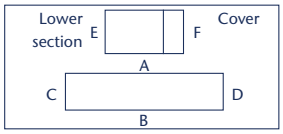
Dimension diagram



Aluminium housing, CA 330/180

Outer dimensions, mm	330 x 230 x 180
Weight, g	5240

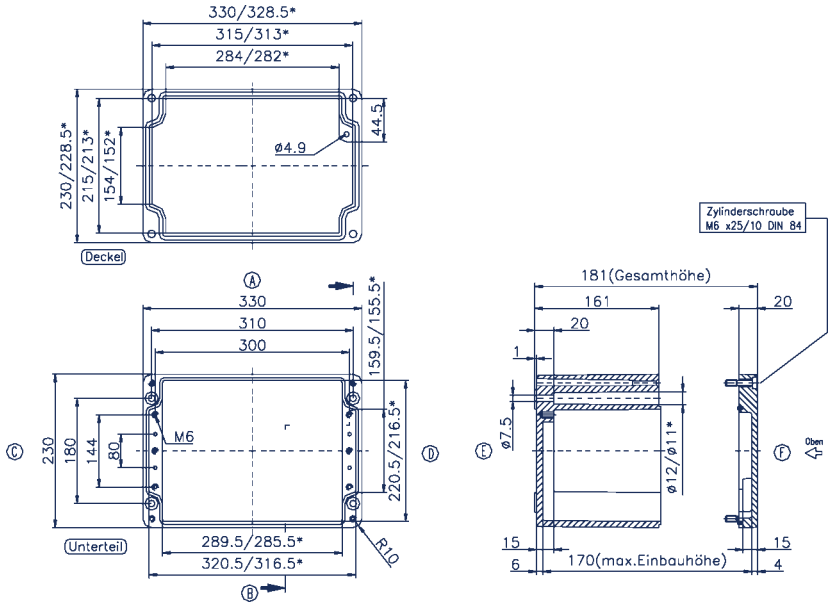
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	165	81	7	144	81
16	77	36	9	104	49
20	60	33	11	77	36
25	30	16	13.5	60	33
32	18	9	16	45	25
40	11	6	21	30	16
50	8	5	29	18	9
63	8	4	36	11	5
-	-	-	42	8	4
-	-	-	48	8	4

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 314 mm long **4560.3**	1
Mounting screw BS **Cat. no.**	BS M 6x8 **4558.0**	100
Mounting plate MP **Cat. no.**	MP /A 3323 **4512.8**	1
Wall brackets WL **Cat. no.**	WL (set) **4509.4**	1
External hinges (pair) AG **Cat. no.**	AG (pair) **4509.6**	1

Dimension diagram

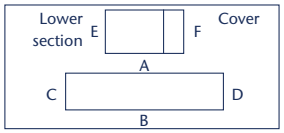


Aluminium housing, CA

Aluminium housing, CA 360/80

Outer dimensions, mm	360 x 120 x 80
Weight, g	2100

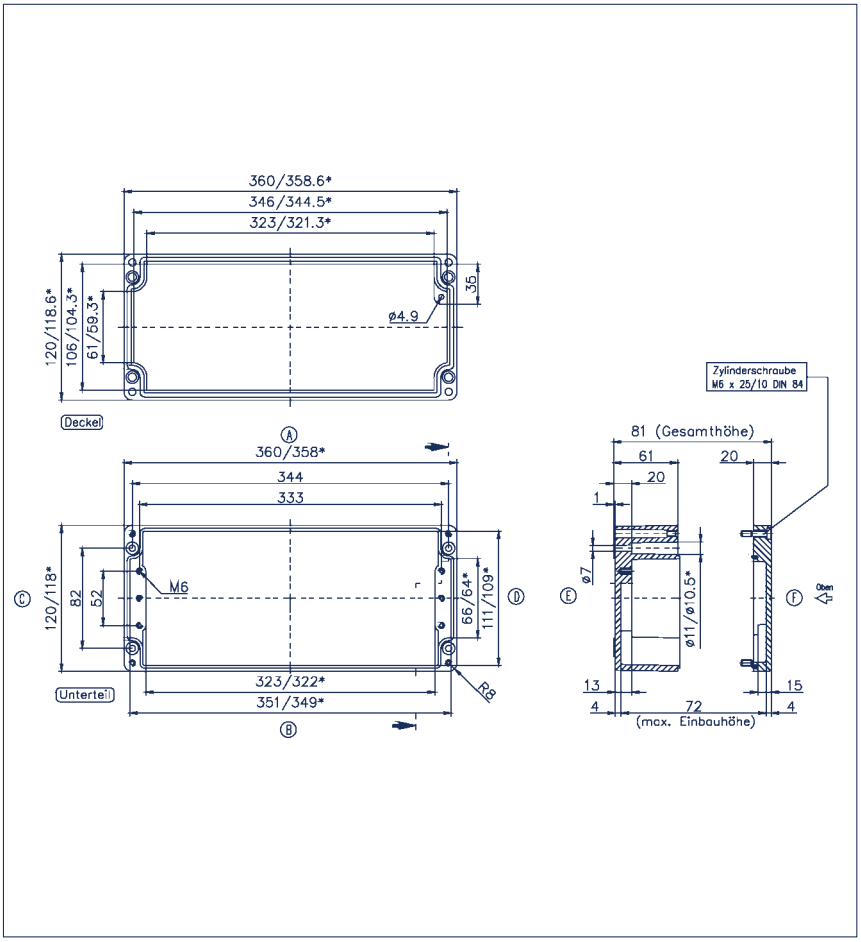
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	58	11	7	58	11
16	26	5	9	41	6
20	24	4	11	26	4
25	10	2	13.5	24	3
32	7	1	16	20	2
40	-	-	21	10	2
50	-	-	29	7	1
63	-	-	36	-	-
-	-	-	42	-	-
-	-		48	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 348 mm long **4572.0**	1
Mounting screw BS **Cat. no.**	BS M 6x8 **4558.0**	100
Mounting plate MP **Cat. no.**	MP /A 362 **4512.5**	1
Wall brackets WL **Cat. no.**	WL (set) **4509.4**	1
External hinges (pair) AG **Cat. no.**	AG (pair) **4509.6**	1

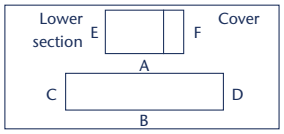
Dimension diagram



Aluminium housing, CA 360/90

Outer dimensions, mm	360 x 160 x 90
Weight, g	2520

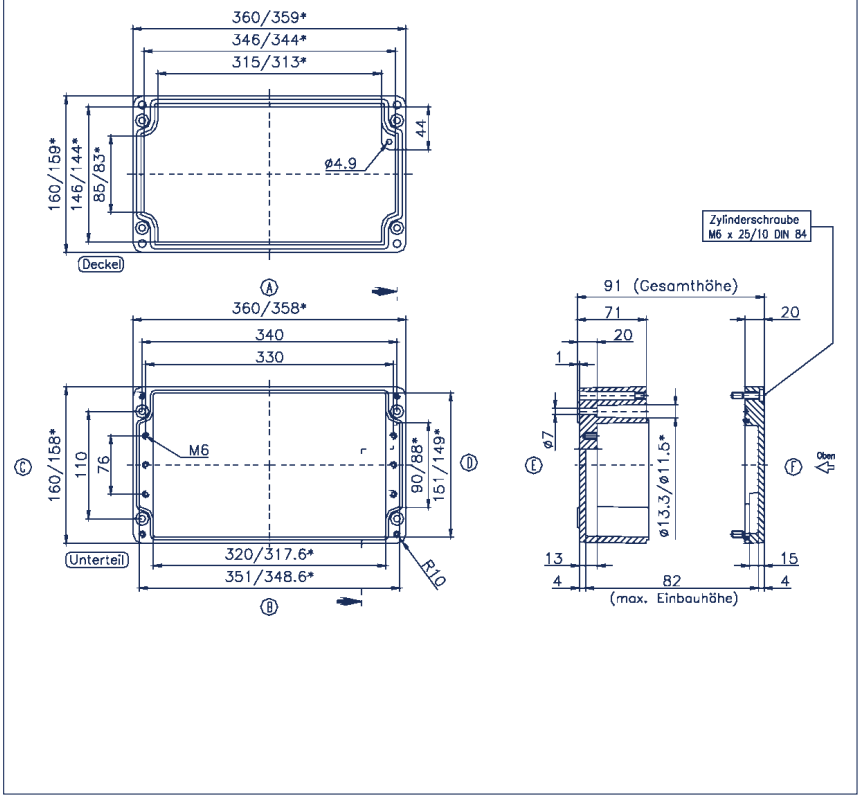
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	72	16	7	72	16
16	36	8	9	42	11
20	24	6	11	33	6
25	15	3	13.5	24	6
32	7	2	16	20	5
40	5	1	21	14	3
50	4	-	29	7	2
63	-	-	36	5	1
-	-	-	42	4	-
-	-	-	48	-	-

Accessories		Qty.
DIN rail section TS 15 **Cat. no.**		
DIN rail section TS 35 **Cat. no.**	TS 35 / 338 mm long **4507.6**	1
Mounting screw BS **Cat. no.**	BS M 6x8 **4558.0**	100
Mounting plate MP **Cat. no.**	MP /A 360 **4502.3**	1
Wall brackets WL **Cat. no.**	WL (set) **4509.4**	1
External hinges (pair) AG **Cat. no.**	AG (pair) **4509.6**	1

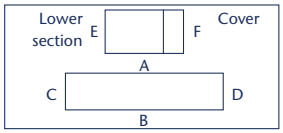
Dimension diagram



Aluminium housing, CA 560/90

Outer dimensions, mm	160 x 560 x 90
Weight, g	3740

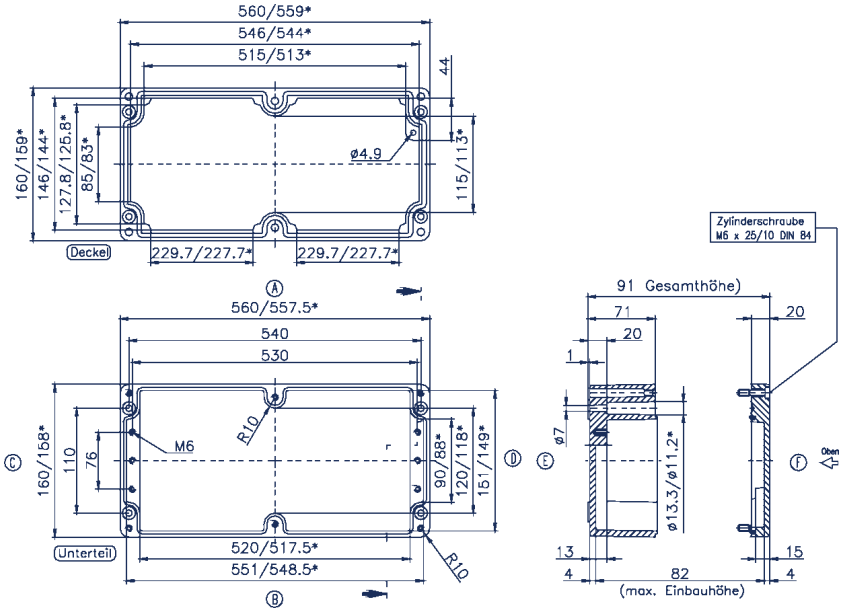
Threaded drill hole options



M	A/B	C/D	PG	A/B	C/D
12	104	16	7	104	16
16	58	8	9	66	11
20	40	6	11	58	6
25	24	3	13.5	40	6
32	12	2	16	32	5
40	8	1	21	24	3
50	6	-	29	12	2
63	-	-	36	8	1
-	-	-	42	6	-
-	-	-	48	-	-

Accessories		Qty.
DIN rail section TS 15		
Cat. no.		
DIN rail section TS 35	TS 35 / 545 mm long	
Cat. no.	**4507.7**	1
Mounting screw BS	BS M 6x8	
Cat. no.	**4558.0**	100
Mounting plate MP	MP /A 560	
Cat. no.	**4502.5**	1
Wall brackets WL	WL (set)	
Cat. no.	**4509.4**	1
External hinges (pair) AG	AG (pair)	
Cat. no.	**4509.6**	1

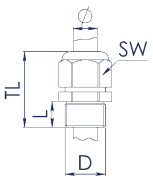
Dimension diagram



Metric cable gland systems

Metric cable gland system

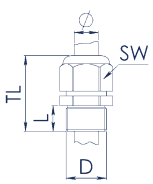
Plastic cable glands / metric threading



Material: Polyamide UL94-V0, protection: IP 68-5-bar,
colour: RAL 7035 bright grey, colour variants (.4) RAL 9005 black
Seal: EPDM, temperature range -20°C to +100°C
VDE certified: acc. to DIN EN 50626

Type	Cat. no.	Qty.	For cable ø mm	Thread length L, mm	Spanner width AF, mm	TL, mm
KV/M 12 x 1.5	**4573.2**	100	3...7	9	16	29-34
KV/M 16 x 1.5	**4574.2**	100	4.5...10	9	20	31-37
KV/M 20 x 1.5	**4575.2**	100	6...13	10	24	36-45
KV/M 25 x 1.5	**4576.2**	50	9...17	10	29	38-47
KV/M 32 x 1.5	**4577.2**	25	13...21	12	36	42-51
KV/M 40 x 1.5	**4578.2**	10	16...28	12	46	52-65
KV/M 50 x 1.5	**4579.2**	5	21...35	14	55	59-72
KV/M 63 x 1.5	**4580.2**	5	34...48	15	68	64-78

Plastic cable glands / long metric threading

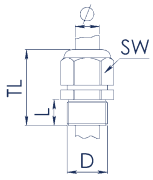


Material: Polyamide UL94-V0, protection: IP 68-5-bar,
colour: RAL 7035 bright grey,
Seal: EPDM,
Temperature range: -20°C to +100°C

Type	Cat. no.	Qty.	For cable ø mm	Thread length L, mm	Spanner width AF, mm	TL, mm
KV/M-L 12 x 1.5	**17599.2**	50	3...7	15	16	35-40
KV/M-L 16 x 1.5	**17600.2**	50	4.5...10	15	20	37-43
KV/M-L 20 x 1.5	**17601.2**	50	6...13	15	24	41-50
KV/M-L 25 x 1.5	**17602.2**	50	9...17	15	29	43-52
KV/M-L 32 x 1.5	**17603.2**	25	13...21	15	36	45-54
KV/M-L 40 x 1.5	**17604.2**	10	16...28	18	46	58-71
KV/M-L 50 x 1.5	**17605.2**	10	21...35	18	55	63-76
KV/M-L 63 x 1.5	**17606.2**	10	34...48	18	68	67-81

.4

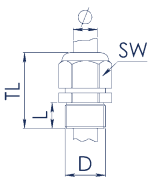
Plastic cable glands / metric threading



Material: polyamide, protection IP 66,
Cable gland with strain relief mechanism
colour: RAL 7035 bright grey,
Temperature range: -20°C to +80°C

Type	Cat. no.	Qty.	For cable ø mm	Thread length L, mm	Spanner width AF, mm	TL, mm
KVC/M 12 x 1.5	**4581.2**	50	4...6	9	15	28-32
KVC/M 16 x 1.5	**4582.2**	50	5...8	9	19	32-36
KVC/M 20 x 1.5	**4583.2**	50	7...12	10	24	35-41
KVC/M 25 x 1.5	**4584.2**	50	9...14	11	27	38-44
KVC/M 32 x 1.5	**4585.2**	25	13...17	11	33	43-50
KVC/M 40 x 1.5	**4586.2**	25	17...24	12	42	47-56
KVC/M 50 x 1.5	**4587.2**	10	23...32	14	53	56-65
KVC/M 63 x 1.5	**4588.2**	10	37...44	15	65	60-68

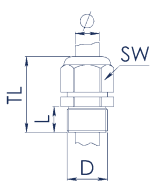
ATEX plastic cable glands / metric threading / increased security



Explosion protection: II 2 G D Eex e II, certifications: PTB 05 ATEX 1068X
Material: polyamide, self-extinguishing, protection: IP 66,
colour: RAL 9001 black
Temperature range: -20°C to +75°C

Type	Cat. no.	Qty.	For cable ø mm	Thread length L, mm	Spanner width AF, mm	TL, mm
KV/Mex-e 16 x 1.5	**17500.4**	50	4...9	9	20	31-37
KV/Mex-e 20 x 1.5	**17501.4**	50	6...13	10	24	36-45
KV/Mex-e 25 x 1.5	**17502.4**	50	7...17	10	29	38-47
KV/Mex-e 32 x 1.5	**17503.4**	25	13...21	12	36	42-51
KV/Mex-e 40 x 1.5	**17504.4**	10	17...28	12	46	52-65
KV/Mex-e 50 x 1.5	**17505.4**	4	23...35	14	55	59-72
KV/Mex-e 63 x 1.5	**17506.4**	1	31...48	15	68	64-78

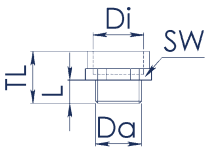
ATEX plastic cable glands / metric threading / intrinsically safe



Explosion protection: II 2 G D Eex e II, certifications: PTB 05 ATEX 1068X
Material: polyamide, self-extinguishing, protection: IP 66,
colour: black-blue
Temperature range: -20°C to +75°C

Type	Cat. no.	Qty.	For cable ø mm	Thread length L, mm	Spanner width AF, mm	TL, mm
KV/Mex-i 16 x 1.5	**17500.5**	50	4...9	9	20	31-37
KV/Mex-i 20 x 1.5	**17501.5**	50	6...13	10	24	36-45
KV/Mex-i 25 x 1.5	**17502.5**	50	7...17	10	29	38-47
KV/Mex-i 32 x 1.5	**17503.5**	25	13...21	12	36	42-51
KV/Mex-i 40 x 1.5	**17504.5**	10	17...28	12	46	52-65
KV/Mex-i 50 x 1.5	**17505.5**	4	23...35	14	55	59-72
KV/Mex-i 63 x 1.5	**17506.5**	1	31...48	15	68	64-78

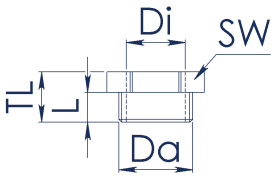
Extension - plastic / metric - metric



Material: glass-fibre reinforced polyamide
colour: RAL 7035 bright grey,
Temperature range: -40°C to +100°C

Type	Cat. no.	Qty.	Outer ø - Inner ø, mm	Thread length L, mm	Spanner width AF,	TL, mm
VEM 12/16	**17607.2**	100	12x1.5 - 16x1.5	9		27
VEM 16/20	**17608.2**	100	16x1.5 - 20x1.5	9	20	27
VEM 20/25	**17609.2**	100	20x1.5 - 25x1.5	9	24	27
VEM 25/32	**17610.2**	100	25x1.5 - 32x1.5	10	29	28
VEM 32/40	**17611.2**	50	32x1.5 - 40x1.5	12	36	30
VEM 40/50	**17612.2**	25	40x1.5 - 50x1.5	12	46	30
VEM 50/63	**17613.2**	5	50x1.5 - 63x1.5	14	55	32
					68	

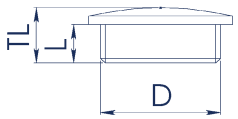
Plastic reducing sleeves / metric - metric



Material: glass-fibre reinforced polyamide
colour: RAL 7035 bright grey,
Temperature range: -40°C to +100°C

Type	Cat. no.	Qty.	Outer ø Da - Inner ø Di, mm	Thread length L, mm	Spanner width AF, mm	TL, mm	Type	Cat. no.	Qty.	Outer ø Da - Inner ø Di, mm	Thread length L, mm	Spanner width AF, mm	TL, mm
VRM 16/12	**17614.2**	100	16x1.5 - 12x1.5	9	20	16	VRM 40/20	**17623.2**	25	40x1.5 - 25x1.5	12	46	19
VRM 20/12	**17615.2**	100	20x1.5 - 12x1.5	9	24	16	VRM 40/25	**17624.2**	25	40x1.5 - 25x1.5	12	46	19
VRM 20/16	**17616.2**	100	20x1.5 - 16x1.5	9	24	27	VRM 40/32	**17625.2**	25	40x1.5 - 32x1.5	12	46	19
VRM 25/12	**17617.2**	100	25x1.5 - 12x1.5	10	29	17	VRM 50/25	**17626.2**	5	50x1.5 - 25x1.5	14	55	21
VRM 25/16	**17618.2**	100	25x1.5 - 16x1.5	10	29	17	VRM 50/32	**17627.2**	5	50x1.5 - 32x1.5	14	55	21
VRM 25/20	**17619.2**	100	25x1.5 - 20x1.5	10	29	17	VRM 50/40	**17628.2**	5	50x1.5 - 40x1.5	14	55	21
VRM 32/16	**17620.2**	50	32x1.5 - 16x1.5	12	36	19	VRM 63/32	**17629.2**	5	63x1.5 - 32x1.5	15	65	22
VRM 32/20	**17621.2**	50	32x1.5 - 20x1.5	12	36	19	VRM 63/40	**17630.2**	5	63x1.5 - 40x1.5	15	65	22
VRM 32/25	**17622.2**	50	32x1.5 - 25x1.5	12	36	19	VRM 63/50	**17631.2**	5	63x1.5 - 50x1.5	15	65	22

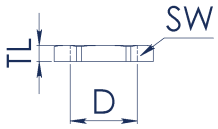
Plastic screw plugs / metric threading



Material: glass-fibre reinforced polyamide, protection: IP 56,
colour: RAL 7035 bright grey,
Temperature range: -40°C to +100°C

Type	Cat. no.	Qty.	Head ø mm	Thread length L, mm	TL, mm
V/M 12 x 1.5	**4589.2**	100	15	6	8
V/M 16 x 1.5	**4590.2**	100	20	6	9
V/M 20 x 1.5	**4591.2**	100	24	6	9.5
V/M 25 x 1.5	**4592.2**	100	30	8	11.5
V/M 32 x 1.5	**4593.2**	100	37	8	12
V/M 40 x 1.5	**4594.2**	50	46	8	13
V/M 50 x 1.5	**4595.2**	50	56	10	15
V/M 63 x 1.5	**4596.2**	50	70	12	17

Plastic counter nuts / metric threading



Material: glass-fibre reinforced polyamide
Colour variant (.4)RAL 9005 black
Temperature range: -40°C to +100°C

Type	Cat. no.	Qty.	TL, mm	Spanner width AF, mm
S/M 12 x 1.5	**4140.2**	100	5	18
S/M 16 x 1.5	**4141.2**	100	5	22
S/M 20 x 1.5	**4142.2**	100	5	27
S/M 25 x 1.5	**4143.2**	100	6	32
S/M 32 x 1.5	**4144.2**	100	6	40
S/M 40 x 1.5	**4145.2**	50	7	50
S/M 50 x 1.5	**4146.2**	50	7	60
S/M 63 x 1.5	**4147.2**	50	7	75

Adjustable nipple for metric threading

Material: Thermo-plastic elastomer
Protection: IP 55
colour: grey

Type	Cat. no.	Qty.	For cable ø mm	Wall thick-ness, mm
SN/M20	**4148.2**	100	5...16	1.5...4.5
SN/M25	**4149.2**	50	5...21	1.5...4.5
SN/M32	**4150.2**	25	13...26.5	1.5...4.5
SN/M40	**4151.2**	20	13...34	1.5...4.5

.4 Double-membrane brackets, metric threading

Material: Thermo-plastic elastomer
Protection: IP 66
colour: grey

Type	Cat. no.	Qty.	For cable ø mm	Wall thick-ness, mm
DM/M16	**4160.2**	50	5...9	1.5...4.5
DM/M20	**4161.2**	50	7...12	1.5...4.5
DM/M25	**4162.2**	50	9...16	1.5...4.5
DM/M32	**4163.2**	25	14...21	1.5...4.5

Metric cable gland systems

Metric cable gland system

Seal plugs for metric threading

Material: Polyethylene
Protection: IP 54
colour: grey

Type	Cat. no.	Qty.	For cable ø mm	Wall thickness, mm
VS/M16	**4164.2**	100	6...10	1.5...4.0
VS/M20	**4165.2**	100	8...13.5	1.5...4.0
VS/M25	**4166.2**	50	9...16	1.5...4.0
VS/M32	**4167.2**	50	11...23	1.5...4.0
VS/M40	**4168.2**	25	17...30	1.5...4.0

Seal bushing for metric threading

Material: EPDM, 55° shore A, protection: IP 66/67,
colour: RAL 7001 silver-grey, colour variant (.4) RAL 9005 black
Temperature range: -40°C to +110°C

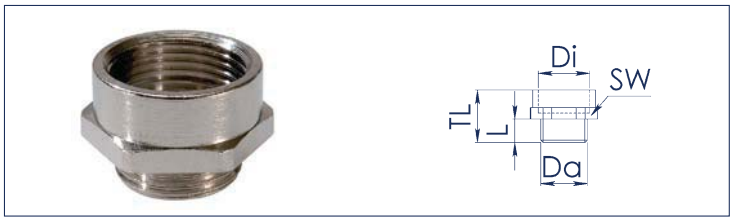
Type	Cat. no.	Qty.	For cable ø mm	Wall thickness, mm	Drill holes ø mm	TL, mm
FDM 12 GR	**17632.6**	50	4...7	0.5...2	12 - 13	13
FDM 16 GR	**17633.6**	50	5...10	1...4	15 - 17	18
FDM 20 GR	**17634.6**	50	8...13	1...4	18 - 19	20
FDM 25 GR	**17635.6**	50	11...17	1...4	25 - 26	21.5
FDM 32 GR	**17636.6**	50	15...21	1...4	32 - 33	25
FDM 40 GR	**17637.6**	50	19...28	1...4	40 - 41	30
FDM 50 GR	**17638.6**	10	27...35	1...4	50 - 51	35

Brass cable glands / metric threading

Material: Nickel-plated brass, protection: IP 68-5-bar,
Seal: EPDM (CR), o-ring at connecting threads
Temperature range: -40°C to +100°C

Type	Cat. no.	Qty.	For cable ø mm	Thread length L, mm	Spanner width AF, mm	TL, mm
KV/M 12 x 1.5-MS	**4169.2**	100	3...7	5	16	23-30
KV/M 16 x 1.5-MS	**4170.2**	100	4.5...10	5	20	26-34
KV/M 20 x 1.5-MS	**4171.2**	100	6...13	6	24	29-37
KV/M 25 x 1.5-MS	**4172.2**	50	9...17	7	29	33-42
KV/M 32 x 1.5-MS	**4173.2**	25	13...21	8	36	36-44
KV/M 40 x 1.5-MS	**4174.2**	10	16...28	8	46	44-45
KV/M 50 x 1.5-MS	**4175.2**	5	21...35	9	55	51-62
KV/M 63 x 1.5-MS	**4176.2**	5	34...48	10	68	56-67

.4 Extension - brass/ metric - metric



Material: Nickel-plated brass

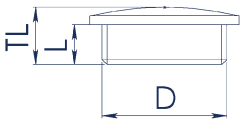
Type	Cat. no.	Qty.	Outer ø - Inner ø, mm	Thread length L, mm	TL, mm
VEM-MS 12/16	**17700.2**	100	12x1.5 - 16x1.5	5	15
VEM-MS 16/20	**17701.2**	100	16x1.5 - 20x1.5	5	17
VEM-MS 20/25	**17702.2**	50	20x1.5 - 25x1.5	6	19
VEM-MS 25/32	**17703.2**	50	25x1.5 - 32x1.5	7	21
VEM-MS 32/40	**17704.2**	50	32x1.5 - 40x1.5	8	24
VEM-MS 40/50	**17705.2**	25	40x1.5 - 50x1.5	8	31
VEM-MS 50/63	**17706.2**	10	50x1.5 - 63x1.5	9	31

Brass reducer / metric - metric

Material: Nickel-plated brass

Type	Cat. no.	Qty.	Outer ø - Inner ø, mm	Thread length L, mm	TL, mm
VRM-MS 16/12	**17707.2**	100	16x1.5 - 12x1.5	5	8
VRM-MS 20/12	**17708.2**	100	20x1.5 - 12x1.5	6	8.5
VRM-MS 20/16	**17709.2**	100	20x1.5 - 16x1.5	6	8.5
VRM-MS 25/16	**17710.2**	50	25x1.5 - 16x1.5	7	10
VRM-MS 25/20	**17711.2**	100	25x1.5 - 20x1.5	7	10
VRM-MS 32/20	**17712.2**	25	32x1.5 - 20x1.5	8	11.5
VRM-MS 32/25	**17713.2**	50	32x1.5 - 25x1.5	8	11.5
VRM-MS 40/25	**17714.2**	25	40x1.5 - 25x1.5	8	11.5
VRM-MS 40/32	**17715.2**	25	40x1.5 - 32x1.5	8	11.5
VRM-MS 50/32	**17716.2**	10	50x1.5 - 32x1.5	9	12.5
VRM-MS 50/40	**17717.2**	25	50x1.5 - 40x1.5	9	12.5
VRM-MS 63/40	**17718.2**	10	63x1.5 - 40x1.5	10	14
VRM-MS 63/50	**17719.2**	10	63x1.5 - 50x1.5	10	14

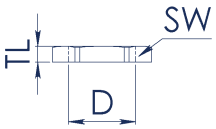
Brass screw plugs / metric threading



Material: Nickel-plated brass, protection: IP 54

Type	Cat. no.	Qty.	Head ø mm	Thread length L, mm	TL, mm
V/M 12 x 1.5-MS	**4178.2**	100	16	5	7,5
V/M 16 x 1.5-MS	**4179.2**	100	20	5	8
V/M 20 x 1.5-MS	**4180.2**	100	24	6.5	9.5
V/M 25 x 1.5-MS	**4181.2**	100	28	7	11
V/M 32 x 1.5-MS	**4182.2**	50	35	8	12
V/M 40 x 1.5-MS	**4183.2**	50	45	8.5	13
V/M 50 x 1.5-MS	**4184.2**	25	55	9	15
V/M 63 x 1.5-MS	**4185.2**	10	68	10	16

Brass counter nuts / metric threading



Material: Nickel-plated brass

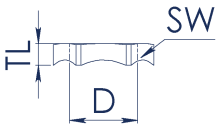
Type	Cat. no.	Qty.	TL, mm	Spanner width AF, mm
S/M 12 x 1.5-MS	**4186.2**	100	2.8	15
S/M 16 x 1.5-MS	**4187.2**	100	2.8	19
S/M 20 x 1.5-MS	**4188.2**	100	3	24
S/M 25 x 1.5-MS	**4189.2**	100	3.5	30
S/M 32 x 1.5-MS	**4190.2**	100	4	36
S/M 40 x 1.5-MS	**4191.2**	50	5	46
S/M 50 x 1.5-MS	**4192.2**	50	5	60
S/M 63 x 1.5-MS	**4193.2**	50	6	70

EMC earth insert, per DIN 89345 – brass / metric threading

Material: Chrome-plate brass
For use in KV/M brass cable glands

Type	Cat. no.	Qty.	For cable ø mm	For cable gland
VEE-MS 12-05	**17720.2**	1	5	KV/M 12 x 1.5-MS
VEE-MS 16-07	**17721.2**	1	7.5	KV/M 16 x 1.5-MS
VEE-MS 18-09	**17722.2**	1	9.5	KV/M 20 x 1.5-MS
VEE-MS 24-16	**17723.2**	1	16	KV/M 25 x 1.5-MS
VEE-MS 36-20	**17724.2**	1	20	KV/M 32 x 1.5-MS
VEE-MS 36-26	**17725.2**	1	26	KV/M 40 x 1.5-MS
VEE-MS 45-33	**17726.2**	1	33	KV/M 50 x 1.5-MS
VEE-MS 56-45	**17727.2**	1	45	KV/M 63 x 1.5-MS

EMC counter nuts with teeth – brass / metric threading



Material: Nickel-plated brass

Type	Cat. no.	Qty.	TL, mm	Spanner width AF, mm
S/M 12-MS/EMV	**17728.2**	100	4.7	15
S/M 16-MS/EMV	**17729.2**	100	4.7	19
S/M 20-MS/EMV	**17730.2**	100	4.7	24
S/M 25-MS/EMV	**17731.2**	100	5.2	30
S/M 32-MS/EMV	**17732.2**	100	5.7	36
S/M 40-MS/EMV	**17733.2**	50	6.5	46
S/M 50-MS/EMV	**17734.2**	50	7	60
S/M 63-MS/EMV	**17735.2**	25	7	70

Reducing seal insert for metric cable glands

Material: Thermo-plastic elastomer, protection: IP 68
colour: black, temperature range: -40°C to +100°C
Fits with all metric-sized plastic and brass cable glands.

Type	Cat. no.	Qty.	For cable ø mm	For cable gland
VRDE 12	**17639.4**	50	1...3	M12
VRDE 16	**17640.4**	50	2...6	M16
VRDE 20	**17641.4**	50	4...8	M20
VRDE 25	**17642.4**	25	7...12	M25
VRDE 32	**17643.4**	25	9...14	M32
VRDE 40	**17644.4**	10	12...20	M40
VRDE 50	**17645.4**	10	16...25	M50
VRDE 63	**17646.4**	10	28...38	M63

Metric cable gland systems

Metric cable gland system

Multiple seal insert for metric cable glands

Material: Thermo-plastic elastomer, protection: IP 66,
colour: black, temperature range: -40°C to +100°C
Fits with all metric-sized plastic and brass cable glands.

Type	Cat. no.	Qty.	For cable ø mm	Number of cables	For cable gland	Type	Cat. no.	Qty.	For cable ø mm	Number of cables	For cable gland
VMD 12/04/020	**17647.4**	25	0...2	4	M12	VMD 25/03/070	**17656.4**	25	5...7	3	M25
VMD 16/02/040	**17648.4**	25	2...4	2	M16	VMD 25/04/060	**17657.4**	25	4...6	4	M25
VMD 20/02/060	**17649.4**	25	4...6	2	M20	VMD 32/04/070	**17658.4**	25	5...7	4	M32
VMD 20/02/065	**17650.4**	25	5...6.5	2	M20	VMD 32/04/080	**17659.4**	25	6...8	4	M32
VMD 20/03/040	**17651.4**	25	2.5...4	3	M20	VMD 32/06/060	**17660.4**	25	5...6	6	M32
VMD 25/01/065	**17652.4**	25	4...6.5	1	M25	VMD 40/07/070	**17661.4**	25	5...7	7	M40
VMD 25/02/060	**17653.4**	25	4...6	2	M25	VMD 40/07/080	**17662.4**	25	6...8	7	M40
VMD 25/02/070	**17654.4**	25	5...7	2	M25	VMD 40/08/060	**17663.4**	25	5...6	8	M40
VMD 25/02/080	**17655.4**	25	6...8	2	M25	VMD 50/09/080	**17664.4**	25	6...8	9	M50

Dummy plug

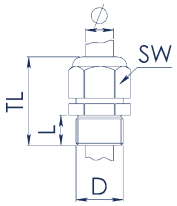
Material: polyamide, colour: red,
Temperature range: -40°C to +100°C
For sealing off unused cable and wire feed-ins with multiple seal inserts

Type	Cat. no.	Qty.	Diameter mm	Length, mm
VBS 2 RD	**17665.9**	50	2	12
VBS 3 RD	**17666.9**	50	3	12
VBS 4 RD	**17667.9**	50	4	12
VBS 5 RD	**17668.9**	50	5	12
VBS 6 RD	**17669.9**	50	6	16
VBS 7 RD	**17670.9**	50	7	16
VBS 8 RD	**17671.9**	50	8	16
VBS 9 RD	**17672.9**	50	9	16
VBS 10 RD	**17673.9**	50	10	16
VBS 12 RD	**17674.9**	50	12	22
VBS 13 RD	**17675.9**	50	13	22
VBS 14 RD	**17676.9**	50	14	22
VBS 17 RD	**17677.9**	25	17	17
VBS 20 RD	**17678.9**	25	20	22
VBS 21 RD	**17679.9**	25	21	30
VBS 25 RD	**17680.9**	25	25	30
VBS 28 RD	**17681.9**	25	28	30
VBS 35 RD	**17682.9**	10	35	35
VBS 38 RD	**17683.9**	10	38	35
VBS 48 RD	**17684.9**	10	48	35
VBS 63 RD	**17685.9**	5	63	35

PG cable gland systems

PG cable gland system

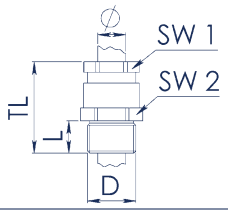
Plastic cable glands / PG threading



Material: polyamide UL94-V0, protection: IP 68-5-bar,
colour: RAL 7035 bright grey, colour variant: (.4)RAL 9005 black,
Seal: EPDM, temperature range: -20°C to +80°C

Type	Cat. no.	Qty.	For cable ø mm	Thread length L, mm	Spanner width AF, mm	TL, mm
KV/PG 7	**4515.2**	100	3...6	9	15	28-32
KV/PG 9	**4516.2**	100	4...8	9	19	32-36
KV/PG 11	**4517.2**	100	5...10	9	22	33-39
KV/PG 13.5	**4518.2**	100	6...12	10	24	35-41
KV/PG 16	**4519.2**	50	8...14	11	27	38-44
KV/PG 21	**4520.2**	50	10...18	11	33	43-50
KV/PG 29	**4521.2**	25	16...25	12	42	47-56
KV/PG 36	**4522.2**	10	22...32	14	53	56-65
KV/PG 42	**4523.2**	5	28...38	14	60	58-67
KV/PG 48	**4524.2**	5	36...44	15	65	60-68

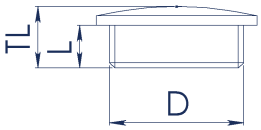
Plastic cable glands / PG threading



Material: glass-fibre reinforced polyamide, protection: IP 54
colour: RAL 7035 bright grey, plastic pressure ring
Temperature range: -20°C to +80°C

Type	Cat. no.	Qty.	For cable ø mm	Thread length L, mm	Spanner width AF, mm	TL, mm
KVC/PG 7	**4525.2**	50	3.5...6	8	15	28
KVC/PG 9	**4526.2**	50	4.5...7	8	19	30
KVC/PG 11	**4527.2**	50	6...9	8	22	31
KVC/PG 13.5	**4528.2**	50	9...12	9	24	35
KVC/PG 16	**4529.2**	50	11...14	10	27	38
KVC/PG 21	**4530.2**	50	14...18	11	33	43
KVC/PG 29	**4531.2**	25	18...25	11	42	44
KVC/PG 36	**4532.2**	10	25...32	13	53	54
KVC/PG 42	**4533.2**	10	30...38	13	60	57
KVC/PG 48	**4534.2**	10	38...44	15	65	60

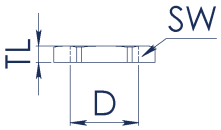
Plastic screw plugs / PG threading



Material: impact-resistant polystyrene, protection: IP56
Colour: RAL 7035 bright grey,
Temperature range: -20°C to + 60°C

Type	Cat. no.	Qty.	Head ø mm	Thread length L, mm	TL, mm
V/PG 7	**4515.6**	100	15	6	8
V/PG 9	**4516.6**	100	19	6	9
V/PG 11	**4517.6**	100	22	6	9
V/PG 13.5	**4518.6**	100	25	6	9.5
V/PG 16	**4519.6**	100	27	6	9.5
V/PG 21	**4520.6**	100	33	8	11
V/PG 29	**4521.6**	100	44	8	12
V/PG 36	**4522.6**	50	55	10	15
V/PG 42	**4523.6**	50	62	10	16
V/PG 48	**4524.6**	50	69	12	16

Plastic counter nuts / PG threading



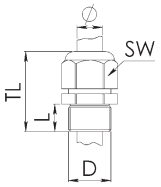
Material: glass-fibre reinforced polyamide, colour: RAL 7035 bright grey,
Temperature range: -40°C to +100°C
Colour variant: RAL9005 black
.0

Type	Cat. no.	Qty.	TL, mm	Spanner width AF, mm
S/PG 7	**4515.8**	100	5	19
S/PG 9	**4516.8**	100	5	22
S/PG 11	**4517.8**	100	5	24
S/PG 13.5	**4518.8**	100	6	27
S/PG 16	**4519.8**	100	6	30
S/PG 21	**4520.8**	100	7	3
S/PG 29	**4521.8**	100	7	46
S/PG 36	**4522.8**	50	8	60
S/PG 42	**4523.8**	50	8	73
S/PG 48	**4524.8**	50	8	78

PG cable gland systems

PG cable gland system

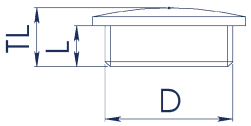
Brass cable glands / PG threading



Material: Nickel-plated brass, protection: IP 68-5-bar,
Seal: EPDM, temperature range: -25°C to +80°C

Type	Cat. no.	Qty.	For cable ø mm	Thread length L, mm	Spanner width AF, mm	TL, mm
KV/PG 7-MS	**4535.2**	1001	3...6.5	6	14	23
KV/PG 9-MS	**4536.2**	0050	4...8	6	17	29
KV/PG 11-MS	**4537.2**	50	5...10	6.5	20	30
KV/PG 13.5-MS	**4538.2**	50	6...12	6.5	22	32
KV/PG 16-MS	**4539.2**	50	10...14	6	24	32
KV/PG 21-MS	**4540.2**	25	13...18	7	30	35
KV/PG 29-MS	**4541.2**	10	18...25	8	40	40
KV/PG 36-MS	**4542.2**	5	22...32	9	50	45
KV/PG 42-MS	**4543.2**	5	30...38	12	57	48
KV/PG 48MS	**4544.2**		34...44	14	64	50

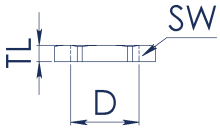
Brass screw plugs / PG threading



Material: Nickel-plated brass, protection: IP 54,

Type	Cat. no.	Qty.	Head ø mm	Thread length L, mm	TL, mm
V/PG 7-MS	**4535.6**	1001	14	5	8
V/PG 9-MS	**4536.6**	0010	17	6	9
V/PG 11-MS	**4537.6**	0	20	6	9
V/PG 13.5-MS	**4538.6**	100	22	6.5	9.5
V/PG 16-MS	**4539.6**	100	24	6.5	9.5
V/PG 21-MS	**4540.6**	100	30	7	11
V/PG 29-MS	**4541.6**	50	39	8	12
V/PG 36-MS	**4542.6**	25	50	9	15
V/PG 42-MS	**4543.6**	25	57	10	16
V/PG 48MS	**4544.6**	10	64	10	16

Brass counter nuts / PG threading



Material: Nickel-plated brass

Type	Cat. no.	Qty.	TL, mm	Spanner width AF, mm
S/PG 7-MS	**4535.8**	1001	2.8	15
S/PG 9-MS	**4536.8**	0010	2.8	18
S/PG 11-MS	**4537.8**	0	3	21
S/PG 13.5-MS	**4538.8**	100	3	23
S/PG 16-MS	**4539.8**	100	3	26
S/PG 21-MS	**4540.8**	100	3.5	32
S/PG 29-MS	**4541.8**	100	4	41
S/PG 36-MS	**4542.8**	50	5	51
S/PG 42-MS	**4543.8**	50	5	60
S/PG 48MS	**4544.8**	50	5.5	64

Notes

CONTA-CLIP Service

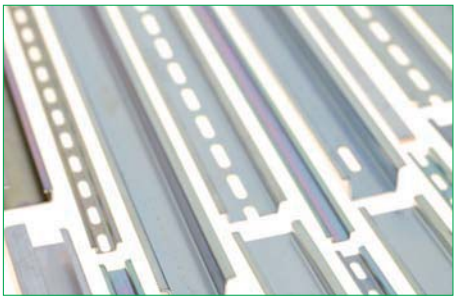
CONTA-CLIP the Service Provider

CONTA-CLIP is able to meet the requirements and challenges of our customers by offering a range of custom solutions, including housing preparation, DIN rail terminal assembly, cable and terminal marking and final assembly.

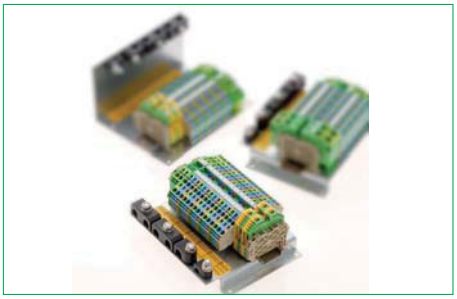
CONTA-CLIP can prepare DIN rails and housings according to your specifications and fit these with cable glands or customer-specific products as needed. We can also preassemble terminals on the DIN rail with marking and labelling according to your requirements. And we can assume responsibility for parts storage. Thus you only need one part number to specify a complex pre-assembled unit! We can then take responsibility for the storage of individual components and for the component list.

For years our customers and sales representatives around the world have taken advantage of this service. We would be glad to prepare an offer for your individual solution.

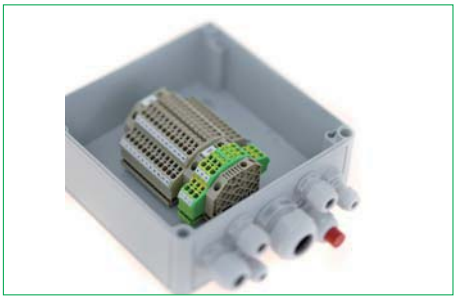
DIN rails can be cut to length, drilled with holes or fitted with press-in bolts according to the diagrams and specifications of the customer. **CONTA-CLIP** offers a solution for practically any application based on our ability to deliver a wide variety of profile sections and materials.



CONTA-CLIP can pre-assemble terminals with labelling and populated with customer components or connected with wire and cable harnesses – all according to customer requirements, CAD files, diagrams and prototypes.



Housings can be processed to fit the needs of our customers (with break-throughs and drilled holes). They can also be populated with terminal strip assemblies, cable glands and cable sets. Our large line of housings are available in many sizes and materials. They can be used as the ideal solution in a wide variety of applications.



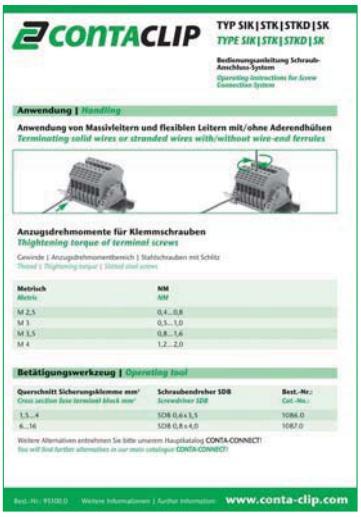
CONTA-CLIP also offers a customized printing service to supplement our range of standard labelling products. Customized printing can involve a considerable amount of manual work. **CONTA-CLIP** would be pleased to take on this printing work – our high-quality printing services will help to reduce your workload. **CONTA-CLIP** can consolidate your specifications in a data list for a one-time or repeated project, which is then assigned a project number so that it can be ordered on short notice.

CONTA-CLIP is always at your service to fulfil your custom marking needs! You can e-mail us your requirements (as a file attachment) to customizedmarkers@conta-clip.de.

CONTA-CONNECT operating instructions

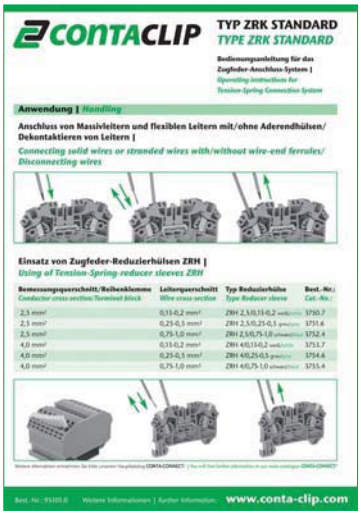
TYPE RK STANDARD
Cat. no. 95109.0

TYPE RK 50...240
Cat. no. 95103.0

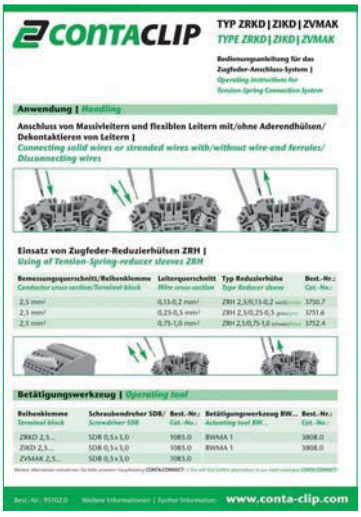


TYPE SIK | STK | STKD | SK
Cat. no. 95100.0

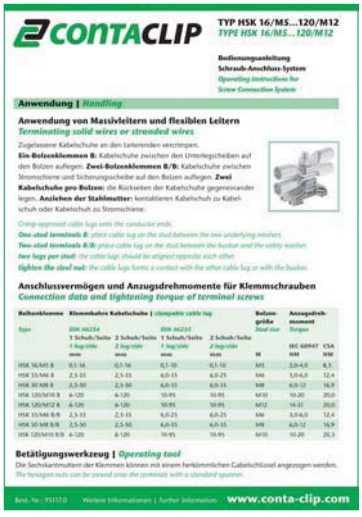
TYPE FRK STANDARD
Cat. no. 95105.0



TYPE ZRK Standard
Cat. no. 95101.0



TYPE ZRKD | ZIKD | ZVMAK
Cat. no. 95102.0



TYPE HSK 16/M5...120/M12
Cat. no. 95117.0

Additional operating instructions can be found on the internet at www.conta-clip.com.

CONTA-CONNECT Technical Appendix

Materials

All products from **CONTA-CLIP** are manufactured from standardized raw materials which are already well established in the electro-technical industry. All of our materials are subject to strict quality control testing.

Insulation materials

The insulation housings of **CONTA-CONNECT** products are made from high-quality PA 6.6 polyamides. Such materials have a flammability classification of UL 94-V2 or UL 94-V0. This modern insulation predominates in terminal products and has been approved by all of the relevant regulatory bodies, including CSA, UL, PTB, SEV, VDE, DEMKO and NEMKO. It has a creepage-current resistance level of CTI 600, in accordance with IEC 112/DIN 0303/part 1.

It also has excellent resistance to micro-organisms, bacteria and termites. Polyamide is also resistant to ultra-violet light and ageing.

Polyamide 6.6 absorbs moisture from its surroundings (about 2.8% on average). This helps the plastic to stay elastic and non-brittle, even at temperatures down to -40°C. It has a semi-crystalline molecular structure and is stabilized by thermal ageing. This ensures that it maintains its excellent electrical, mechanical and chemical specifications even at temperatures up to 120°C. The peak temperature allowed for short-term use is about 180°C. The melting point of the material is at 250°C.

Polyamide 6.6 is flame resistant and self-extinguishing in compliance with VDE and ASTM.

None of the insulating materials and colouring pigments used by **CONTA-CLIP** contain asbestos, phosphor, cadmium or halogens.

Refer to the table below for additional electrical and technical specifications.

Features

Polyamide (PA)

- Flexible, resistant to breakage
- Excellent electrical and mechanical characteristics
- High temperature allowed for long-term use
- Good resistance to fire
- Halogen-free and phosphor-free flame-retardant material
- No dioxin or furan formation

Glass-fibre reinforced polyamide (PA GF)

- Excellent dimensional stability
- Excellent electrical and mechanical characteristics
- Higher long-term-use temperature
- Good resistance to fire
- Halogen-free and phosphor-free flame-retardant material
- No dioxin or furan formation

Characteristics (at +20°C)	Unit / level	Thermoplastic polyamide 6.6/ UL 94/V2	Thermoplastic polyamide 6.6/ UL 94/V0	Thermoplastic polyamide 6.6/ UL 94/V0/GF	Thermoplastic PBT
Dielectric strength	KV/mm	30	30	35	28
TI mech.	°C	120	120	140	
Temp. index, electrical	°C	105	120	140	
continuous	°C	105	120	140	130
short-term	°C	120	120	180	130
Temperature resistance	°C	-40°C to +105°C	-40°C to +120°C	-40°C to +140°C	-50°C to +130°C
Creepage resistance (IEC 112/DIN VDE 0303 part 1)		CTI>600	CTI>600	CTI>600	CTI 200
Flammability	level	V2	V0	V0	V0
Suitability for tropical climates	-	good	good	good	good
Termite-proof	-	good	good	good	good
Spec. contact resistance	Ohm x cm	10^{12}	10^{12}	10^{12}	10^{13}
Spec. surface resistance	Ohm x cm	10^{15}	10^{15}	10^{15}	

Numbers

The numbers in the cat. no. refer to:

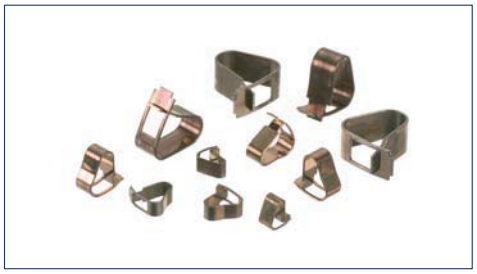
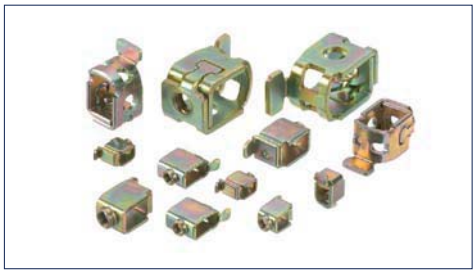
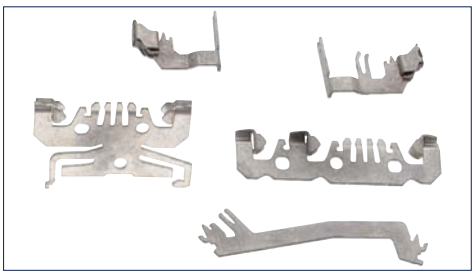
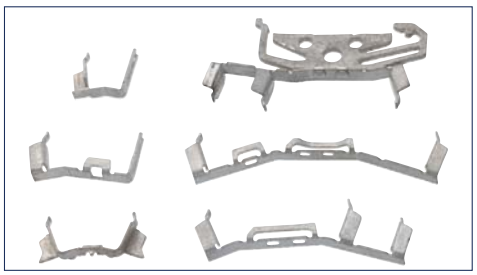
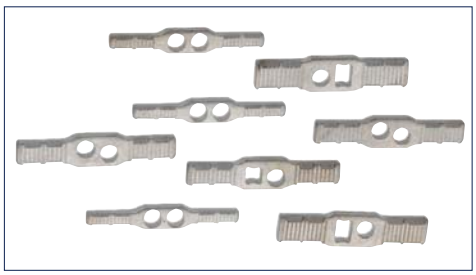
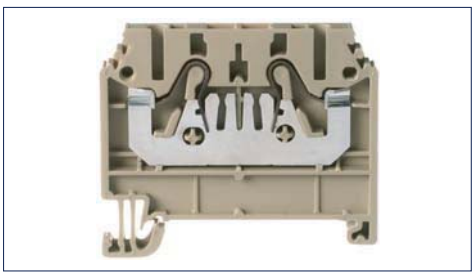
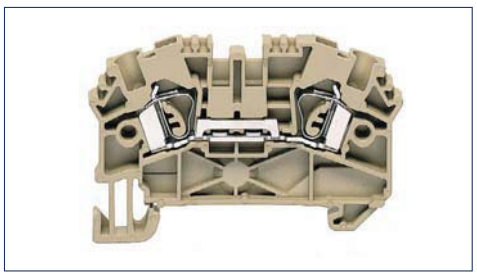
- .1 Polyamide 6.6 green
- .2 Polyamide 6.6 beige
- .3 Polyamide 6.6 orange
- .4 Polyamide 6.6 black
- .5 Polyamide 6.6 blue
- .6 Polyamide 6.6 grey
- .7 Polyamide 6.6 white
- .8 Polyamide 6.6 yellow
- .9 Polyamide 6.6 red
- .0 Other materials

CONTA-CLIP colour code in the product name

BK=Black
GR=Grey
LG=Light grey
DG=Dark grey
YE=Yellow
GN=Green
BU=Blue
LB=Light blue
OG=Orange
BG=Beige
WH=White
BN=Brown
LB=Light Brown
DB=Dark brown
VT=Violet
RD=Red
GNYE=Green/yellow
YEGN=Yellow/green
CY=Cyan
IV=Ivory
OL=Olive
PI=Pink
RB=Red brown
SI=Silver
GO=Gold

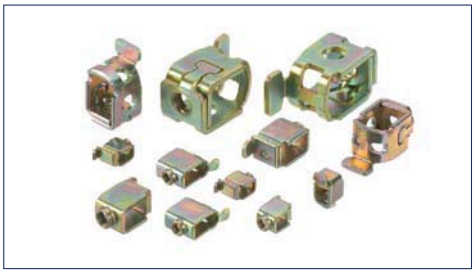
Metals

All metal parts used in **CONTA-CLIP** products are selected using state-of-the-art technology. During the production process, they are closely monitored by the **CONTA-CLIP** quality management system. The metal parts in **CONTA-CLIP** products are galvanized using the most modern techniques available. They feature state-of-the-art surface protection. The steel parts are galvanized as standard practice. An additional passivation with a blue chromate layer is then applied to the zinc coating. Copper and brass parts are normally coated with a tin layer. This tin coating provides consistent, good electrical characteristics and also an excellent protection against corrosion. Solder lugs and solder pins are also coated with a tin layer. An additional layer of nickel is present under the tin layer in order to ensure that the soldering characteristics do not deteriorate over longer periods. The springs in the tension-spring and pressure-spring mechanisms are made from high-quality, rust-proof, acid-resistant steel. This provides them with excellent resistance to their environmental surroundings.

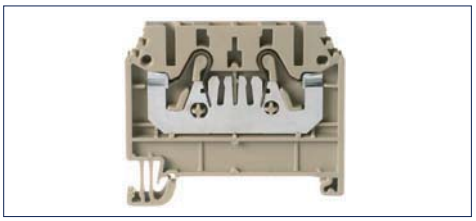








CONTA-CONNECT Technical Appendix

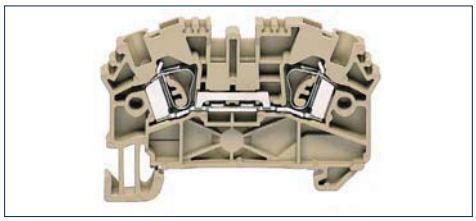
Screw connection

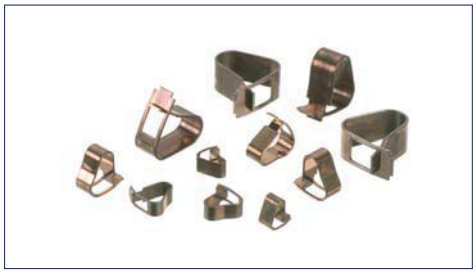


Pressure-spring connection



Tension-spring connection





The clamping yoke design

The clamping yoke transmits pressure from the screw to clamp the conductor against the busbar. The required contact force is generated by the torque applied to the screw. This system provides a gas-tight connection between the conductor and the internal busbar. This creates increasing thread friction and results automatically in a stronger mechanical grip on the conductor. The increased torque is generated by an elastic distortion of the terminal body. Because of its construction, the clamping yoke is able to provide the strongest contact force and thus the lowest voltage drop. The clamping yoke and the connecting screw are make from carbonized steel that is galvanized and chrome-plated.

The Pressure-spring design

The pressure-spring design from **CONTA-CLIP** makes wiring convenient and ensures the maximum level of contact security! This connection mechanism unites the advantages of the **CONTA-CLIP** tension-clamp connection system with the possibility to connect individual wire using no tools! Solid and stranded wires with wire-end ferrules can simply be inserted directly into the terminal point.

The contact between the wire and the busbar is automatically established during this insertion. A standard screwdriver can be used to open the clamp for release or for the insertion of stranded wire without ferrules.

The tension-spring design

The tension spring functions in a manner similar to the clamping yoke. It also separates the mechanical and electrical functions. The tension spring consists of high-quality, rust-proof, acid-resistant steel. This spring presses the wire against the busbar. The tension spring is a connection element which can be used quickly and for many purposes, and which distinguishes itself by being maintenance-free and shock-proof. High resistance to vibration is guaranteed by the unique design of the tension spring.

Securing the terminal screws

All metal parts, including the terminal screws made from hardened steel, are held captive in the insulation housing. An added level of security is provided because the screw head is held back within the insulation housing. When turning the screw counter-clockwise, the screw reaches an “idle” position without an end stop, so that it is not possible to overturn and deform the insulation housing. This is particularly important if you are using power screwdrivers or compressed-air screwdrivers. When you subsequently turn the screw clockwise, the entire thread of the clamping yoke engages before any clamping pressure is exerted.

Torque exerted by the terminal screws

IEC 60947-7-1 (DIN VDE 0611 part 1) “Low-voltage switching devices, part 7: auxiliary devices, main section 1 – terminal blocks for copper wires”, specifies mechanical and electrical testing procedures for analyzing connection mechanisms.
This directive specifies that copper wires should be connected with a specific amount of torque exerted by the terminal screws. The value of the torque depends on the size of the terminal screw, as specified in the following tables.

Products with slotted-head screws

Thread	Torque range Steel screws	
	Min. 8.8	A 2/A 4-8
M	Nm	Nm
M 2,5	0.4...0.8	0.4...0.8
M 3	0.5...1.0	0.5...1.0
M 3,5	0.8...1.6	0.8...1.6
M 4	1.2...2.4	...
M 5	2.0...4.0	...
M 6	2.5...5.0	...

Products with hex-head screws

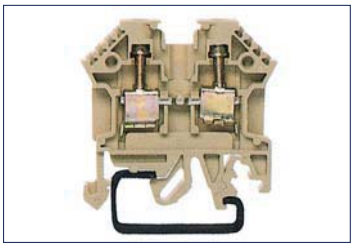
Thread	Steel screws
M	Nm
M 4	1.2...2.4
M 5	2.0...4.0
M 6	3.0...6.0
M 8	6.0...12
M 10	10.0...20
M 12	14...31
M 14	25.0...60

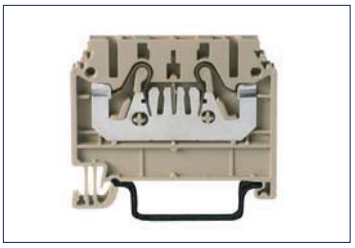
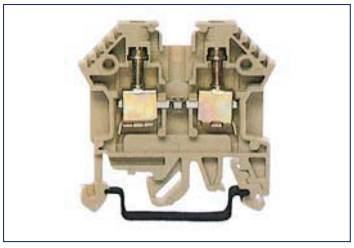
Combi-foot /
Screw connection system
CONTA-CLIP terminal blocks with screw-connection systems are normally equipped with a combi-foot. This ensures that the terminal blocks can easily be snapped on to the TS35 x 7.5, TS35 x 15 rails (according to DIN EN 50 022) and the TS32 (according to DIN EN 50 035). When using a C-rail (TS32) and the device/top-hat rail (TS35), you can significantly reduce the number of required terminal block types in your inventory. The provides you with a cost-effective and efficient solution!

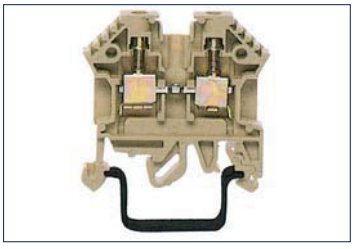
TS35 foot /
Screw connection system
For the standard terminal block with cross-sections of 2.5 mm^2 to 35 mm^2, an additional series is available that provides an alternative mechanical snap-on (foot design) compared to the combi-foot terminal blocks. The mechanical and electrical characteristics of both product series are the same!

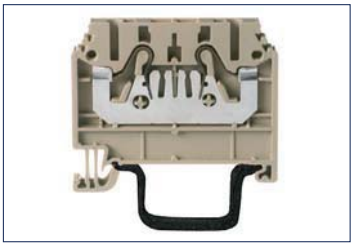
TS35 foot /
Screw connection system
The terminals block with tension-spring connections normally come with a TS35 foot. This foot is easy and safe to snap on to the rail. Because of the mechanical construction, it is also possible to attach to wiring systems.

TS35 foot /
Pressure-spring connection system
The terminals block with tension-spring connections normally come with a TS35 foot. This foot is easy and safe to snap on to the rail. Because of the mechanical construction, it is also possible to attach to wiring systems.



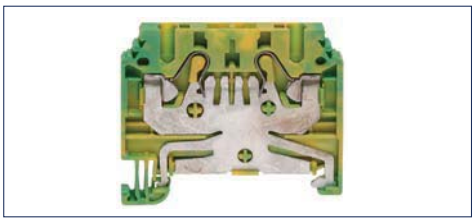







CONTA-CONNECT Technical Appendix

Protective-earth terminal blocks

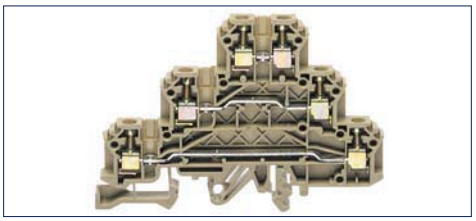


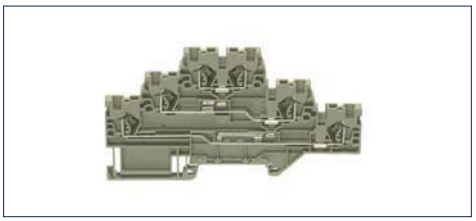
A protective-earth (PE) terminal block is a device with one or more clamping points used to connect round conductors (PE/PEN wires). The PE terminal contacts the metal DIN rail via the PE foot using either a screw attachment or by simply snapping on the terminal block to the rail (using an internal-spring PE foot).

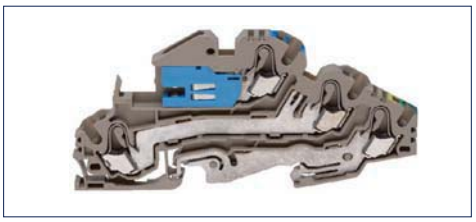
Application areas (EN 60 947-7-2)
This is valid for PE terminal blocks in rated cross-sections up to 120 mm² (for PE functionality) and from 10 mm² (for PEN functionality).
The terminal blocks come equipped with a screw connection or a screw-free connection mechanism for attaching solid, stranded or finely stranded copper wires. They can be used with circuits up to 1000 VAC (60 Hz) and up to 1500 VDC, predominantly in conjunction with feed-through terminals. The PE terminal is used to establish the mechanical and electrical connection between the PE wire and the metal DIN rail. When using the PEN functionality of the PE terminal blocks, you may only use a copper rail (according to EN 60 947-7-2). When using the PE functionality of the PE terminal blocks with cross-sections of 16mm² or larger, you must use a TS 35x15 rail in order to maintain the current-carrying capacity.

Nominal current with PEN (rated current)
The thermal rated current is the load current that can be continually carried by the PE terminal block with PEN functionality. The term “rated current” is used to refer to nominal current in order to comply with the new VDE 0611 part 1/8.92.

Multi-level terminal blocks



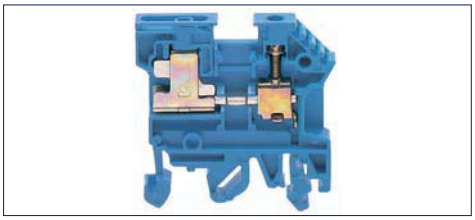




A multi-level terminal block is a device that features at least two busbar levels. Four or more terminal points are available to connect round conductors. A variety of combination options are possible: L/PE, L/L, L/N, N/N, N/PE or L/N/PE, L/L/N, N/N/PE, etc.

Application areas
(EN 60 947-7-1, EN 50 847-7-2)
This is valid for multi-level terminal blocks with screw or screwless connections for attaching single, stranded or finely stranded copper wires. There are options for connecting external, neutral and PE wires to a mounting plate (DIN rail). The separate levels are insulated from each other. They can also normally be cross-connected individually or across levels.

Neutral feed-in disconnect terminal



A neutral disconnect terminal is a device for connecting round wires that has one or more clamping points and a mechanism for separating the neutral connection. Neutral disconnect terminals are also available as multi-level terminal blocks.

Application areas (EN 60 947-7-1)
VDE 0611 part 5/draft 5.84
This is valid for neutral disconnect terminals with screw or screwless connections for attaching a neutral potential which can be disconnected with single, stranded or finely stranded copper wires. N-busbars (10x3 or 6x6) can be contacted by means of the disconnect element. The ability to disconnect allows you to take an insulation measurement without disconnecting the neutral wire.

Rated-disconnect terminal blocks

Rated-disconnect terminal blocks
A rated-disconnect terminal block is a device which provides screw or screwless connections to connect solid, stranded or finely stranded copper wires. It allows for a no-load separation. The rated voltage should be equal to the rated insulation voltage that is referenced by the insulation test and the creepage distances (according to EN 60 664-1). The construction of the opened isolating element is designed according to the requirements for the rated surge voltage.

Fused terminal blocks

Fused terminal blocks
A fused terminal block is a device used to hold fuses that are separated from the clamping points by means of a fuse-disconnect plug, a fuse-disconnect lever or a screw cap.

Application areas
(EN 60 947-7-3/EN 60 127-2)
This is valid for fuse-holder terminals which have screw or screwless connections for attaching single, stranded or finely stranded copper wire and a connection to the fine fuses which can be disconnected. It is simple to replace fuses by using the disconnect element. The fuse-holder terminals are rated for the corresponding max. power loss of the G-fuse inserts in compliance with EN 60 127-2.

CONTA-CONNECT Technical Appendix

Touch protection

The accident prevention regulations issued by the German Association of Fine Mechanics and Electronics (VGB 4) is relevant for the operators of electrical facilities. It specifies special safety regulations in order to reduce the risk of electrical accidents.

This regulation defines the safety clearances for operating and intermittent handling in the proximity of parts which are dangerous to touch ("active components" of low-voltage facilities up to 1000 or 1500 V).

Active (i.e., dangerous to touch) components may only be worked on after it has been established that there is no voltage on them. Working in the proximity of active components is only permitted when these components are voltage-free or when they are protected against direct touch (§ 6).

When working near active components, the following safety measures apply:

- Establish that the components will have no voltage applied to them for the duration of the work, or
- Provide touch protection by covering, or shielding during your work, or
- Ensure that the permitted clearance distance is strictly observed (§ 7).

The phrase "occasional handing" is used in reference to the handling of mechanisms such as push-buttons, toggles or dials that are in the proximity of components which are dangerous to touch.

According to DIN 57 105 – part 1/VDE 0105 – part 1, this refers to "operating with partial protection against direct touch".

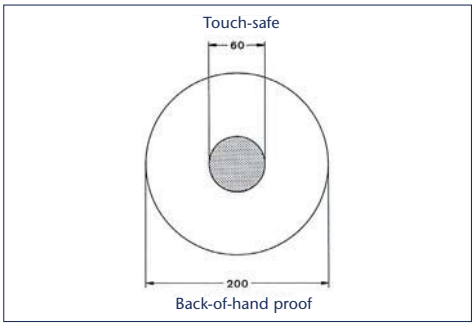
Detailed information concerning "occasional handling" can be found in the VDE regulation 0100/part 750. One of the factors defined here is the extent to which active components located in the proximity of operational elements must be covered to protect them from accidental touch. The definition of a "protective space for occasional handling" is based on the area that must be reached into when handling the unit.

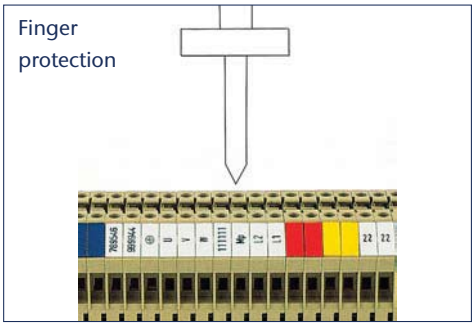
The key fact is that all active components in a circumference of 30 mm from the operational element must have touch-safe protection. Thus the parts of the electrical device that are dangerous to touch must not be accessible by the straight finger used in VDE tests (according to DIN 57 470 - part 1/VDE 0470 - part 1, IEC test finger).

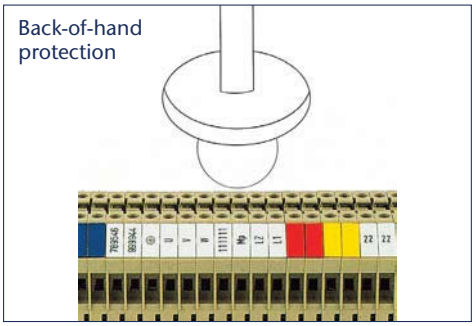
Back-of-hand protection is required for the "extended range" up to 100 mm from the operational element.

Back-of-hand protection is present when a force of 50 N can be exerted on a ball of 50-mm diameter without touching any of the dangerous parts of the components. No special touch protection measures are required beyond this range.

Facilities and machinery that are run with protective low voltages up to 25 or 60 V are considered to be protected from "direct touch".







Working on electrical connection mechanisms with non-insulated screwdrivers

Non-insulated screwdrivers may only be used in electrical facilities after they have been switched off.

The following five safety rules must be followed in order to ensure that no voltage is present before starting work and that no voltage is switched on during the duration of the work:

- **Switch off facility**
- **Ensure it is not possible to switch back on**
- **Establish that no voltage is present**
- **Ground and short-circuit**
- **Cover or shield any neighbouring parts that are under live voltage**

These are the five safety rules for working on electrical facilities and equipment. The measures to be taken in regards to the local operational conditions (for example, any local high-voltage and low-voltage overhead lines, cabling or switching facilities) are specified in DIN VDE 0105 part 1.

Unused, live-voltage terminal points

Those unused terminal points which may have voltage on them must be protected against accidental touch by means of suitable covers. The terminal screws of unused, non-live terminal points should also be tightened.

Protection category according to EN 60529/DIN 0470

First digit			Second digit – water protection								
			IP.0	IP.1	IP.2	IP.3	IP.4	IP.5	IP.6	IP.7	IP.8
			No protection	Protection against water dripping vertically	Protection against dripping fluid with up to 15% tilt from vertical axis	Protection against splashed water with up to 60% tilt from vertical axis	Protection against splashed water from all directions	Protection against splashed water from all directions	Protection against temporary flooding (on deck of ship)	Protection against submersion in water	Protection against water under pressure
	Touch protection	Protection against foreign objects									
IP 0.	No touch protection	Protection against large, solid foreign objects	IP 00								
IP 1	Protection against large-surface touching (with the hand)	No protection against large, solid foreign objects	IP 10	IP 11	IP 12						
IP 2	Protection against finger touching	Protection against mid-sized, solid foreign objects	IP 20	IP 21	IP 22	IP 23					
IP 3	Protection against touch by tools, wires or other objects more than 2.5 mm wide	Protection against small, solid foreign objects	IP 30	IP 31	IP 32	IP 33	IP 34				
IP 4	Protection against touch by tools, wires or other objects more than 1 mm wide	Protection against small, solid foreign objects	IP 40	IP 41	IP 42	IP 43	IP 44				
IP 5	Protection against touch by objects of any type	Protection against the build up of dust on the inside	IP 50				IP 54	IP 55			
IP 6	Protection against touch by objects of any type	Complete protection against dust	IP 60					IP 65	IP 66	IP 67	IP 68

CONTA-CONNECT Technical Appendix

Connection cross-section

The rated cross-section of the terminal blocks must be specified by the manufacturers according to EN 60947-7-1.

Normally it specifies the maximum cross-section of the wire that may be connected to the terminal. This is the value used for the electrical, mechanical and thermal tests specified in the standard. The manufacturer must also specify the rated connection capacity, the number of wires that can be connected together, and any processing of the wire ends that is required before connecting (whereby the wires can be either solid, stranded or finely stranded.

CONTA-CLIP terminal blocks are designed so that copper wires can be simply connected without any special treatment. It is not necessary to use wire-end ferrules with **CONTA-CLIP** terminal blocks. If wire-end ferrules are used at the end of stranded wires to protect them from splicing off, this will reduce the connection capacity for the stranded wires to the next lowest level.

Layout and dimensions of connecting cables Excerpt from DIN VDE 0295.

Rated cross-section	Solid Diameter		Stranded Diameter		finely-stranded Diameter	Wire count	American Wire Gauge (AWG) acc. to EN 60 204 part 1 Gauge No.						
	Max. size	Number of wires	Max. size	Wire count	Max. size	Guide-line value	AWG	Ø mm	Solid circ. mils	mm²	Stranded Ø mm	circ. mils	mm²
mm²													
0.5	0.9	1	1.1	7	1.1	16	20	0.81	1022	0.52	0.97	1111	0.56
0.75	1.0	1	1.2	7	1.3	24	18	1.02	1620	0.82	1.16	1600	0.82
1	1.2	1	1.4	7	1.5	32	(17)	1.15	2050	1.04			
-	-	-	-	-	-	-	16	1.29	2580	1.31	1.50	2580	1.32
1.5	1.5	1	1.7	7	1.8	30	(15)	1.45	3260	1.65			
-	-	-	-	-	-	-	14	1.63	4110	2.08	1.85	4100	2.09
2.5	1.9	1	2.2	7	2.6	50	(13)	1.83	5180	2.63			
-	-	-	-	-	-	-	12	2.05	6530	3.31	2.41	6500	3.32
4	2.4	1	2.7	7	2.9	56	(11)	2.30	8230	4.17			
-	-	-	-	-	-	-	10	2.59	10380	5.26	2.95	10530	5.37
6	2.9	1	3.3	7	3.9	84	(9)	2.91	13100	6.63			
-	-	-	-	-	-	-	8	3.26	16510	8.37	3.73	16625	8.48
10	3.7	1	4.2	7	5.1	80	(7)	3.67	20800	10.56	4.15	20820	10.55
-	-	-	-	-	-	-	6	4.12	26240	13.30	4.67	26250	13.39
16	4.6	1	5.3	7	6.3	126	(5)	4.62	33100	16.77	5.24	33100	16.77
-	-	-	-	-	-	-	4	5.19	41740	21.15	5.90	41650	21.24
25	-	-	6.6	7	7.8	196	3	5.83	52600	26.67	6.61	52630	26.67
35	-	-	7.9	7	9.2	276	2	6.54	66360	33.62	7.42	66150	33.74
-	-	-	-	-	-	-	1	7.35	83690	42.41	8.33	83706	42.69
50	-	-	9.1	19	11.0	396	1/0	8.25	105600	53.51	9.35	104640	53.36
70	-	-	11.0	19	13.1	360	2/0	9.27	133100	67.44	10.52	132300	67.47
95	-	-	12.9	19	15.1	475	3/0	10.40	167800	85.03	11.79	172500	87.98
-	-	-	-	-	-	-	4/0	11.08	211600	107.22	13.26	210400	107.30
120	-	-	14.5	37	17.0	608					14.62	250000	127.00
150	-	-	16.2	37	19.0	756					16.00	300000	152.00
											17.30	350000	177.00
185	-	-	18.0	37	21.0	925					-	-	-
											-	-	-
240	-	-	20.6	61	24.0	1224					20.66	500000	253.00

Connecting aluminium wires

Right after the stripping process, a thin, non-conductive oxide layer forms on the surface of aluminium wires. This layer must be removed in order to establish a conductive, gas-tight connection.

CONTA-CLIP terminal blocks allow you to connect aluminium wires to one or both sides. We recommend preparing the wires in the following way in order to ensure the proper contact.

- Use a scraper to rid the wire end of the oxidized layer. Then immediately submerge it in Vaseline (a neutral, acid-free and alkaline-free substance) and quickly connect to the terminal block.
- Tighten the connection after a few days in order to ensure that it is still secure.
- Repeat this preparation process when you need to connect a new wire.

Current capacity

The relevant European standard EN 60947-7-1 specifies the testing currents for the individual wire cross-sections listed in the table. The type testing is based on these current strengths. When tested under this load, the terminal must comply with the limit values defined by the standard (for example, the maximum temperature rise). The values for the current capacity of other terminal types can also be found in both of these standards. The actual current capacity of a circuit – and thus the terminal as well – is not established by these standards but by the relevant national contractor regulations. These regulations take into account the particular types of routing for the cables and wires.

Test current acc. to EN 60 947-7-1, Table V

Rated cross-section mm²	Test current A
0.2	4
0.34	5
0.5	6
0.75	9
1	13.5
1.5	17.5
2.5	24
4	32
6	41
10	57
16	76
25	101
35	125
50	150
70	192
95	232
120	269
150	309
185	353
240	415
300	520

VDE 0110 b § 8 – Table 4 – Minimum creepage and clearance distances, mm

The specifications of DIN VDE 0110-1 (“Insulation coordination for electrical devices in low-voltage facilities”) are used to measure the clearance and creepage distances. DIN VDE 0110-1 is derived from a modified version of IEC 60664-1. The following correlations apply for the assessment of the creepage and clearance distances.

Clearance distances

- Overvoltage expected (Rated surge voltage)
- Overvoltage protection in use
- Contamination degree

Creepage distances

- Rated voltage
- Insulation group
- Contamination degree

Reference voltage AC voltage (effective value) (V)	DC voltage (V)	Insulation group A0		Insulation group A		Insulation group B			Insulation group C			Insulation group D		
		Clearance	Creepage	Clearance	Creepage	Clearance	Creepage		Clearance	Creepage		Clearance	Creepage	
							a	b		a	b		a	b
12	12	0.06	1	0.15	0.2	0.4	0.6	0.8	0.8	1.2	1.7	1.6	2.3	3.2
30	36	0.1	0.15	0.2	0.25	0.5	0.8	1	1	1.5	2	1.8	2.6	3.5
60	75	0.15	0.2	0.25	0.35	0.7	1	1.3	1.2	1.7	2.3	2	3	4
125	150	0.25	0.35	0.4	0.5	1	1.3	2	1.6	2.2	3	2.5	3.5	5
250	300	0.5	0.7	0.8	1.0	1.6	2	3	2.5	3	4	3.6	5	7.5
380	450	0.8	1.1	1.2	1.5	2.4	3	4	3.5	4.5	6	5	7	10
500	600	1.1	1.5	1.6	2	3	4	5.5	4.5	6	8	6.5	9	13
660	800	1.5	2	2.2	2.8	4	5.5	7	6	8	10.5	8	12	17
750	900	1.8	2.2	2.5	3.2	4.5	6	8	6.5	9	12	9	13	19
1000	1200	2.5	3	3.5	4.5	6	8	11	9	12	16	12	17	25
1500	1800	4	5	5.5	7	9	12	17	13	18	24	17	25	36
2000	2400	5.5	7	7.5	9.5	12	16	23	17	24	30	22	33	47
3000	3600	9	11	12[1)]	15	18[1)]	25	36	26[1)]	36	45	32[1)]	48	70
6000	7200	20	25	25[1)]	32	36[1)]	50	70	50[1)]	70	90	80[1)]	90	125
10000	12000	35	45	45[1)]	55	60[1)]	90	120	80[1)]	120	160	100[1)]	150	200

1) Avoid sharp-edged metal parts in order to avoid a discharge halo at operating (reference) voltage.

CONTA-CONNECT Technical Appendix

Rated surge voltage Excerpt from Table 1

Rated mains voltage for AC voltage systems acc. to IEC 60038	Wire voltage discharged to neutral wires from nominal mains voltage	Rated impulse voltage in V, for overvoltage category			
		I	II	III	III
	50	330	500	800	1500
	100	500	800	1500	2500
	150	800	1500	2500	4000
230/400 277/480[1)]	300	1500	2500	4000	6000
400/690	600	2500	4000	6000	8000
1000	1000	4000	6000	8000	12000

1) The nominal mains voltage of 500 V is implied.

Establishing the overvoltage categories

Overvoltage category I
Devices intended for connecting to a static electrical building installation.
Measures have been taken outside of the device (either in the fixed installation of between the fixed installation and the device) to limit transient overvoltages to the corresponding value.

Overvoltage category II
Devices intended for connecting to a static electrical building installation (for example, household appliances or portable tools).

Overvoltage category III
Devices which are part of the fixed installation and other devices where a high degree of availability is expected (for example, distributor panels, power switches, distribution systems (including cable, busbars, distribution boxes, switches and socket outlets) in the fixed installation, devices for industrial use, and other devices with permanent connections to the fixed installation (such as stationary motors).

Overvoltage category VI
Devices for use at or near the feed into the electrical installation of buildings, and that from the main distribution in the direction of the mains system (for example, electricity meters, surge current circuit breakers and ripple-control units).

Min. clearance distances Take from Table 2a (DIN VDE 0110/01.89)

Min. clearance distances, in mm, up to 2000 m over sea level								
Rated impulse voltage	Case A (inhomogeneous field [3)] contamination degree)				Case A (homogeneous field [1)] contamination degree)			
KV	1	2	3	4	1	2	3	4
0.33[2)]	0.01				0.01			
0.40	0.02	0.1[4)]			0.02	0.1[4)]		
0.50[2)]	0.04				0.04			
0.60	0.06 0.2	0.12[4)]			0.06 0,2	0.12[4)]		
0.80	0.10	0.2	0.8		0.10	0.8		
1.0	0.15			1.6	0.15	0.2		
1.2	0.25	0.25			0.2			
1.5[2)]	0.5	0.5			0.3	0.3		
2.0	1.0	1.0	1.0		0.45	0.45		
2.5[2)]	1.5	1.5	1.5		0.6	0.6		
3.0	2	2	2	2	0.8	0.8		
4.0[2)]	3	3	3	3	1.2	1.2	1.2	
5.0	4	4	4	4	1.5	1.5	1.5	
6.0[2)]	5.5	5.5	5.5	5.5	2	2	2	2
8.0[2)]	8	8	8	8	3	3	3	3
10	11	11	11	11	3.5	3.5	3.5	3.5
12[2)]	14	14	14	14	4.5	4.5	4.5	4.5
15	18	18	18	18	5.5	5.5	5.5	5.5
20	25	25	25	25	8	8	8	8
25	33	33	33	33	10	10	10	10
30	40	40	40	40	12.5	12.5	12.5	12.5
40	60	60	60	60	17	17	17	17
50	75	75	75	75	22	22	22	22
60	90	90	90	90	27	27	27	27
80	130	130	130	130	35	35	35	35
100	170	170	170	170	45	45	45	45

1) Proof from surge-voltage test is required when the clearance distance is smaller than the value specified for Case A.

2) Preferred values from Table 1.

3) Point against plate.

4) These values are valid, in contrast to IEC Report 664, for printed circuits. A corresponding German modification proposal is pending before the IEC.

Height correction factors.

Height in m	Normal air pressure, in kPa	Multiplication factor for clearances
2000	80.0	1.00
3000	70.0	1.14
4000	62.0	1.29
5000	54.0	1.48
6000	47.0	1.70
7000	41.0	1.95
8000	35.5	2.25
9000	30.5	2.62
10000	26.5	3.02
15000	12.0	6.67
20000	5.5	14.5

Contamination degrees

Contamination degree 1
Only dry, non-conductive contamination can occur. Contamination does not have any influence.

Contamination degree 2
Only non-conductive contamination can occur. Occasionally, temporary conductivity may occur due to condensation.

Contamination degree 3
Conductive contamination can occur. Dry, non-conductive contamination can occur which can become conductive due to condensation.

Contamination degree 4
Contamination leads to constant conductivity (for example, from conductive dust, rain or snow).

The creepage and clearance distances and the resulting rated specifications for electro-mechanical products (terminal blocks, terminal strips, PCB connection terminals and plug-in connectors) are based on contamination degree 3 and overvoltage category III (unless otherwise specified) allowing for all types of mains systems.

Assessing the creepage distances

Single-phase, 3-wire or 2-wire AC or DC voltages

Rated voltage of the power supply [1]	Rated voltage, V Wire-wire All mains systems (between the wire with different polarity for U-)	Wire-earth
Ueff or U-, in V	Ueff or U-	Ueff or U-, in V
12.5	12.5	-
24	25	-
25	25	-
30	32	-
42	50	-
48	50	-
50	50	-
60	63	-
30-60	63	32
100	100	100
110	125	110
120	125	120
150	160	150
220	250	220
110-220	250	125
220-240	250	125
300	320	-
220-440	500	250
600	630	-
480-960	1000	500
1000	1000	-

Three-phase, 4-wire or 3-wire AC voltage systems

Rated voltage of the power supply [1]	Rated voltage, V Wire-wire All systems	Wire-earth	
Ueff, in V	Ueff	Ueff	Ueff
60	63	32	63
110/120/127	125	80	125
150	160	-	160
208	200	125	200
220/230/240	250	160	250
300	320	-	320
380/400/415	400	250	400
440	500	250	400
480/500	500	320	500
575	630	400	630
600	630	-	630
660/690	630	400	630
720/830	800	500	800
960	1000	630	1000
1000	1000	-	1000

CONTA-CONNECT Technical Appendix

Minimum creepage distances

Rated voltage U- eff or U-, in V	Printed circuits Contamination degree 1 [1]	Printed circuits Contamination degree 2 [2]	Printed circuits Contamination degree 1 [1]	Min. creepage distance, mm Remaining devices Contamination degree 2 Insulation material I	II	III a	III b	Contamination degree 3 Insulation material I	II	III a	III b	Contamination degree 4 Insulation material I	II	IIIa	IIIb
10	0.025	0.04	0.08	0.4	0.4	0.4	0.4	1	1	1	1	1.6	1.6	1.6	
12.5	0.025	0.04	0.09	0.42	0.42	0.42	0.42	1.05	1.05	1.05	1.05	1.6	1.6	1.6	
16	0.025	0.04	0.1	0.45	0.45	0.45	0.45	1.1	1.1	1.1	1.1	1.6	1.6	1.6	
20	0.025	0.04	0.11	0.48	0.48	0.48	0.48	1.2	1.2	1.2	1.2	1.6	1.6	1.6	
25	0.025	0.04	0.125	0.5	0.5	0.5	0.5	1.25	1.25	1.25	1.25	1.7	1.7	1.7	
32	0.025	0.04	0.14	0.53	0.53	0.53	0.53	1.3	1.3	1.3	1.3	1.8	1.8	1.8	
40	0.025	0.04	0.16	0.56	0.8	1.1	1.1	1.4	1.6	1.8	1.8	1.9	2.4	3	
50	0.025	0.04	0.18	0.6	0.85	1.2	1.2	1.5	1.7	1.9	1.9	2	2.5	3.2	
63	0.040	0.63	0.2	0.63	0.9	1.25	1.25	1.6	1.8	2	2	2.1	2.6	3.4	
80	0.063	0.10	0.22	0.67	0.95	1.3	1.3	1.7	1.9	2.1	2.1	2.2	2.8	3.6	
100	0.100	0.16	0.25	0.71	1	1.4	1.4	1.8	2	2.2	2.2	2.4	3.0	3.8	
125	0.160	0.25	0.28	0.75	1.05	1.5	1.5	1.9	2.1	2.4	2.4	2.5	3.2	4	
160	0.250	0.40	0.32	0.8	1.1	1.6	1.6	2	2.2	2.5	2.5	3.2	4	5	
200	0.400	0.63	0.42	1	1.4	2	2	2.5	2.8	3.2	3.2	4	5	6.3	[3]
250	0.560	1.00	0.56	1.25	1.8	2.5	2.5	3.2	3.6	4	4	5	6.3	8	
320	0.750	1.60	0.75	1.6	2.2	3.2	3.2	4	4.5	5	5	6.3	8	10	
400	1.000	2.00	1	2	2.8	4	4	5	5.6	6.3	6.3	8	10	12.5	
500	1.300	2.50	1.3	2.5	3.6	5	5	6.3	7.1	8.0	8.0	10	12.5	16	
630	1.800	3.20	1.8	3.2	4.5	6.3	6.3	8	9	10	10	12.5	16	20	
800	2.400	4.00	2.4	4	5.6	8	8	10	11	12.5		16	20	25	
1000	3.200	5.00	3.2	5	7.1	10	10	12.5	14	16		20	25	32	

1) Insulating material I, II, III a, III b / 2) Insulating material I, II, III a / 3) Creepage distances not specified in this range.

Notes

CONTA-CONNECT Approvals

The CE label

The CE label originates from a resolution of the EC Council on May 7, 1986 (the new version concerning technical harmonization and standardization surrounding the elimination of technical trading hindrances within the EC). The implementation is carried out by the harmonization directives (EC guidelines). Although the application of the harmonized European norms is voluntary, conformity with the basic legal requirements for the protection of the health and safety of the consumer and environment can be assumed when manufacturing is conducted according to these standards.

The attachment of the CE label by the manufacturer, therefore, is proof that the protective requirements of the applicable EC guidelines were observed and that the required conformity valuation process was carried out. The fulfilment of these protective requirements is a legal requirement in order to sell a product in the EU.

The CE label is not meant for the purchaser or consumer; it is an administrative symbol and informs the supervisory authorities of the proof of conformity.

The following EC guidelines are relevant today for **CONTA-CLIP** products:

- **Electromagnetic Compatibility (2004/108/EC)**
  for devices which can cause electromagnetic interference or are affected by interference.
- **Low Voltage Directive (2006/95/EC)**
  for use with electrical equipment with a rated voltage between 50 and 1000 V (for AC current) and between 75 and 1500 V (for DC current).
- **Machine Safety (2006/42/EC)**

The entire construction and production at **CONTA-CLIP** has long been subject to these relevant standards and directives. Standard-compliant testing of our products is carried out in direct cooperation with the responsible, accredited laboratory of the TÜV Rheinland (Technical Inspection Agency of Rhineland – the inspection agency for device safety). Modern, computer-aided measurement and examination facilities help to ensure the fast, affordable and efficient processing of examinations and certifications

Information about the CE label

CE labelling of the products or their packaging units is carried out according to the basic requirements found in all EC guidelines which apply to the products within the transitional periods established in the individual guidelines.

Cable connectors

The CE labelling is carried out by the manufacturer within the scope of a manufacturer's declaration, in compliance with EC guidelines. This confirms conformity with the directive and is targeted for the authorities.

Cable connectors comply with the basic safety regulations given in the low voltage directive. The CE label is mandatory. It must be attached to the packaging because it confirms conformity with directives and ensures the free trade of goods in Europe.

In order to ensure that our products remain at the cutting edge of technology, we have worked closely and successfully with experts at **TÜV Rheinland Product Safety GmbH** and the **KEMA** inspection agency.

This excellent cooperation helps us to be completely sure of the electrical safety of our products.

Experts at an impartial inspection agency help us to satisfy all of the latest regulations and to meet our customers' current challenges.

Our innovative terminal blocks, for example, have been examined and certified to the highest possible extent by the **TÜV Rheinland Product Safety GmbH** and the **KEMA** Testing Authority for their conformity to international (IEC) and European norms (EN). These tests are documented in the existing inspection reports.

CE

TÜV Rheinland Product Safety

CONTA-CONNECT Approvals

UL

Cat. no.	Type
1001.2	RK 2,5-4
1002.2	KBL 2,5-4
1005.2	RK 6-10
1006.2	KBL 6-10
1010.2	RK 1,5-4/15
1011.2	KBL 1,5-4/15
1015.2	RK 1,5-4
1016.2	KBL 1,5-4
1018.2	RKB 4
1020.2	RKD 4
1021.2	KBLD 4
1025.2	RKD 4/800V
1026.2	RKD 4 SV/800V
1027.2	RKD 4 SV
1035.2	SRK 2,5/15
1050.2	RK 16
1052.2	RK 35
1055.2	SL 2,5/32
1056.2	SL 2,5/35
1057.2	SLN 2,5/32
1058.2	SLN 2,5/35
1064.2	SL 4/15
1065.2	SL 4/32
1066.2	SL 10/32
1101.2	SIK 10
1102.2	SIK 10/Z
1120.2	RK 50
1122.2	RK 95
1124.2	RK 150
1126.2	RK 240
1138.2	TK 10
1139.2	TK 4 SI 5*20
1140.	TK 4 SI 5*25
1141.2-1150.2	TK 4 (1-10 poles)
1151.2-1160.2	TK 4 F (1-10 poles)
1196.2	SL 16/32
1197.2	SL 16/35
1206.2	RKD 2,5
1207.2	KBLD 2,5 without diagram
1209.2	RKD 2,5 SV
1210.2	RK 2,5-4 ZR
1211.2	RK 2,5-4ZRL
1212.2	SL 4/35
1213.2	SL 10/35
1260.2	IK 2,5
1261.2	IKD 2,5
1295.2	IKD 2,5F
1296.2	RK 2,5
1297.2	KBL 2,5
1320.2-1335.2	BKA 2,5(1 pole)
1390.2	TRK 1,5
1391.2	TRK 1,5 STB
1392.2	TRK 1,5/15
1393.2	TRK 1,5/15 STB
1394.2	TRK 1,5 DS
1395.2	TRK 1,5 /DS/STB
1396.2	TRK 1,5/15 DS
1397.2	TRK 1,5/15/DS/STB
1398.3	TRK 1,5 BG without DS
1399.3	TRK 1,5/STB without DS
1444.2	SIK 10/K
2158.2	BKA 4(1 pole)
2190.2	STK 1
2191.2	STK 1/15
2192.2	STK 1/D
2193.2	TK 2
2194.2	TK 2/15
2195.2	TK 2/D/K BG
11230.1-11252.1	PKB 950/.../5.08
11277.1-11285.1	PKB 950/.../11285.1
11305.1-11319.1	PKB 1100/...5,08
11339.1-11353.1	PKB 1110/.../5,08
11354.1-11376.1	PBT 1200/2/5,08
12319.1-12341.1	PK-TS/...5,08
13175.1-13197.1	PK-TS/.../5,08/15
13825.1-13837.1	PK-TS/.../5,08-F/15
13848.1-13870.1	PK-TS/.../5,08-F/15

CUL

Cat. no.	Type
1050.2	RK 16
1052.2	RK 35
1055.2	SL 2,5/32
1056.2	SL 2,5/35
1057.2	SLN 2,5/32
1058.2	SLN 2,5/35
1064.2	SL 4/15
1101.2	SIK 10
1102.2	SIK 10/Z
1138.2	TK 10
1139.2	TK 4 SI 5*20
1140.	TK 4 SI 5*25
1141.2-1150.2	TK 4 (1-10 poles)
1151.2-1160.2	TK 4 F (1-10 poles)
1206.2	RKD 2,5
1207.2	KBLD 2,5 without diagram
1209.2	RKD 2,5 SV
1210.2	RK 2,5-4 ZR
1211.2	RK 2,5-4ZRL
1212.2	SL 4/35
1213.2	SL 10/35
1260.2	IK 2,5
1261.2	IKD 2,5
1295.2	IKD 2,5F
1296.2	RK 2,5
1297.2	KBL 2,5
1320.2-1335.2	BKA 2,5(1 pole)
1390.2	TRK 1,5
1391.2	TRK 1,5 STB
1392.2	TRK 1,5/15
1393.2	TRK 1,5/15 STB
1394.2	TRK 1,5 DS
1395.2	TRK 1,5 /DS/STB
1396.2	TRK 1,5/15 DS
1397.2	TRK 1,5/15/DS/STB
1398.3	TRK 1,5 BG without DS
1399.3	TRK 1,5/STB without DS
1444.2	SIK 10/K
11339.1-11353.1	PKB 1110/.../5,08
11354.1-11376.1	PBT 1200/2/5,08
12319.1-12341.1	PK-TS/...5,08
13175.1-13197.1	PK-TS/.../5,08/15
13825.1-13837.1	PK-TS/.../5,08-F/15
13848.1-13870.1	PK-TS/.../5,08-F/15

CSA

Cat. no.	Type
1001.2	RK 2,5-4
1004.4	SK 1/35 24 V AC LED PA-G
1005.2	RK 6-10
1006.2	KBL 6-10
1010.2	RK 1,5-4/15
1011.2	KBL 1,5-4/15
1015.2	RK 1,5-4
1016.2	KBL 1,5-4
1020.2	RKD 4
1021.2	KBLD 4
1025.2	RKD 4/800V
1026.2	RKD 4 SV/800V
1027.2	RKD 4 SV
1030.2	SRK 2,5
1035.2	SRK 2,5/15
1050.2	RK 16
1052.2	RK 35
1067.4	SK 1/35 48V DC LED PA-G
1078.2	STK 2
1079.2	STKD 1
1090.6	SK 1/32 KRG
1091.6	SK 1/32 KRG
1092.6	SK 1/35 KRG
1093.6	SK 1/35 KRG
1119.4	SK 1/35 48V AC LED PA-G
1120.2	RK 50
1122.2	RK 95
1124.2	RK 150
1126.2	RK 240
1127.2	RKD 2,5/35
1128.2	RKD 4/35
1130.2	PTK/LT
1131.2	PTK/LT/STB
1132.2	PTK/QT
1133.2	PTK/QT/STB
1134.2	PTK/DU
1135.2	PTK/DU/STB
1190.2	STK 2/15 BG
1196.2	SL 16/32
1197.2	SL 16/35
1198.2	SL 35/32
1199.2	SL 35/35
1222.2	TKS 4/1 BG
1223.2	TKS 4/2 BG
1224.2	TKS 4/3 BG
1225.2	TKS 4/1F BG
1226.2	TKS 4/2F BG
1227.2	TKS 4/3F BG
1261.2	IKD 2,5
1295.2	IKD 2,5F
1367.4	SK 1/35 PA-G
1368.4	SK 1/35 w.K. PA-G
1375,4	SK 1/35 230V AC G PA-G
1376.4	SK 1/35 115V AC G PA-G
1380.4	SK 1/35 24V DC LED PA-G
1418.2	DLI 2,5 PE/L/N
1419.2	DLI 2,5 PE/L/L
1420.2	DLI 2,5 L/N
1421.2	DLI 2,5 L/L
1422.2	DLI 2,5 N
1423.2	DLI 2,5 L
1425.2	VMAK 2,5
1497.2	BKA-10
1511.2	RK 16/35 N
1512.2	RK 35/35 N
1520.2	VMAB 2,5
1521.2	VMAB 2,5-4
1522.2	VMAB 6-10
1523.2	FNAB 2,5
1524.2	FNAB 2,5-4
1525.2	FNAB 6-10
1533.2	SL 16/35 N
1534.2	SL 35/35 N
1574.2	RK 2,5/35 N/2 Q
1577.2	RK 2,5-4/35
1578.2	RK 6-10/35
1579.2	RKD 2,5/35 SV
1581.2	RKD 4/35 SV
1748.4	RK 2,5-4/35 PA-G
1749.4	RK 6-10/35 PA-G
2158.2	BKA 4 (1 pole)
2269.2	IKD 2,5 F/Q
2584.2	RKDG 4
2747.4	RK 16/35 N PA-G
2748.4	RK 35/35 N PA-G
3200.2	FRK 1,5/2A BG
3201.2	FRK 1,5/3A BG
3202.2	FRK 1,5/4A BG
3203.2	FSL 1,5/2A
3204.2	FSL 1,5/3A
3205.2	FSL 1,5/4A
3210.2	FRK 2,5/2A BG
3211.2	FRK 2,5/3A BG
3212.2	FRK 2,5/4A BG
3213.2	FSL 2,5/2A

CONTA-CONNECT Approvals

Cat. no.	Type
3214.2	FSL 2,5/3A
3215.2	FSL 2,5/4A
3220.2	FRK 4/2A BG
3221.2	FRK 4/3A BG
3222.2	FRK 4/4A BG
3223.2	FSL 4/2A
3224.2	FSL 4/3A
3225.2	FSL 4/4A
3226.2	FRKD 2,5 BG
3227.2	FRKD 2,5 SV BG
3228.2	FRKD 2,5/Z BG
3229.2	FRKD 2,5 SV/Z BG
3230.2	FRKD 2,5/D1 BG
3231.2	FRKD 2,5-BL BG
3232.2	FRKD 2,5 SV-BL BG
3233.2	FRKD 2,5 N-DU
3234.2	FRKD 2,5 DU-PE
3235.2	FRKD 2,5 N-PE
3237.2	FRKD 2,5/LD1 BG
3238.2	FRKD 2,5/LD2 BG
3253.2	FRKD 2,5/D2 BG
3254.2	FRKD 2,5/D3 BG
3255.2	FRKD 2,5/D4 BG
3256.2	FRKD 2,5/D5 BG
3240.2	FDLIS 2,5-4 NT/L/PE
3241.2	FDLIS 2,5-4 N/L/PE
3242.2	FDLIS 2,5-4 L/L/PE
3243.2	FDLIS 2,5-4 N/L
3244.2	FDLIS 2,5-4 L/L
3245.2	FDLIS 2,5-4 N
3246.2	FDLIS 2,5-4 L
3247.2	FDLIS B 2,5-4 3NT/3L/3PE
3248.2	FDLIS B 2,5-4 NT/3L/PE
3249.2	FDLIS B 2,5-4 3L/3N/3PE
3250.2	FDLIS B 2,5-4 3L/N/PE
3251.2	FDLIS B 2,5-4 6L
3252.2	FDLIS B 2,5-4 6L/3PE
3236.2	FSLD 2,5
3500.2	ZRK 2,5/2A
3501.2	ZRK 2,5/3A
3502.2	ZRK 2,5/4A
3503.2	ZRK 2,5/2x2 A
3504.2	ZRK 2,5/2x2 A/D
3505.2	ZRK 2,5/2x2 A/LD
3510.2	ZSL 2,5/2A
3511.2	ZSL 2,5/3A
3512.2	ZSL 2,5/4A
3515.2	ZRK 4/2A
3516.2	ZRK 4/3A
3517.2	ZRK 4/4A
3518.2	ZRK 4/2x2A
3525.2	ZSL 4/2A
3526.2	ZSL 4/3A
3527.2	ZSL 4/4A
3528.2	ZIZA 1,5/3
3529.2	ZIZA 1,5/3/B
3532.2	ZIZA 1,5/3/PE
3533.2	ZIZA 1,5/4
3534.2	ZIZA 1,5/4/B
3537.2	ZIZA 1,5/4/PE
3542.2	ZRK 2,5/2x2 A/D- BG
3543.2	ZRK 2,5/2x2 A/LD- BG
3562.2	ZRKD 2,5
3563.2	ZRKD 2,5 SV
3564.2	ZRKD 2,5 N-DU
3565.2	ZRKD 2,5 DU-PE
3566.2	ZRKD 2,5 N-PE
3567.2	ZSLD 2,5
3568.2	ZRKD 2,5/LD1
3569.2	ZRKD 2,5/LD2
3570.2	ZRKD 2,5/D1
3571.2	ZRKD 2,5/D2
3572.2	ZRKD 2,5/D3
3573.2	ZRKD 2,5/D4

Cat. no.	Type
3574.2	ZRKD 2,5/D5
3581.2	ZRK 6/2A BG
3582.2	ZVMAK 2,5 BG
3583.2	ZSRK 2,5/2A/35
3584.2	ZSLN 2,5/2A
3585.2	ZSRK 2,5/2A/15 BG
3586.2	ZSLN 2,5/2A/15
3587.2	ZSRK 2,5/2A/RC BG
3588.2	ZSRK 2,5/2A/D BG
3589.2	ZSL 6/2A
3590.2	ZIKD 2,5 BG
3591.2	ZIKD 2,5 SV BG
3592.2	ZIKD 2,5 PE-L-L BG
3592.5	ZIKD 2,5 PE-N-N BU
3593.2	ZIKD 2,5 SV-PE GN
3594.2	ZIKD 2,5 PE-L-N BG
3595.2	ZSRK 2,5/2A/D/F BG
3596.2	ZMP 1,5 BG
3597.2	ZRK 10/2A BG
3598.2	ZSL 10/2A
3599.2	ZSRK 2,5/3A/15
3600.2	ZSRK 2,5/3A
3601.2	ZSLN 2,5/3A/15
3602.2	ZSLN 2,5/3A
3636.2	ZRK 16/2A
3637.2	ZSL 16/2A
3738.2	ZPL 1,5
3739.6	ZPL 1,5/BR
3742.5	ZPL 1,5/BL
3743.2	ZPL 1,5/PE GN
5001.1	PK 2,5/1/5,00
5101.1	PK 2,5/1
5201.1	PKDL 2,5/1/5,00
5301.1	PKDL 2,5/1/5,08
3257.2	FTRK 2,5/2A/OT BG
3258.2	FTRK 2,5/3A/OT BG
3259.2	FTRK 2,5/2A/MT BG
3260.2	FTRK 2,5/3A/MT BG
3261.2	FTRK 2,5/2A/ST BG
3262.2	FTRK 2,5/3A/ST BG
3263.2	FTRK 2,5/2A/ZS BG
3264.2	FTRK 2,5/2A/ZS 36 BG
3265.2	FTRK 2,5/2A/ZS 70 BG
3266.2	FTRK 2,5/2A/ZS 150 BG
3267.2	FTRK 2,5/2A/ZS 250 BG
3268.2	FTRK 2,5/3A/ZS BG
3269.2	FTRK 2,5/3A/ZS 36 BG
3270.2	FTRK 2,5/3A/ZS 70 BG
3271.2	FTRK 2,5/3A/ZS 150 BG
3272.2	FTRK 2,5/3A/ZS 250 BG
17003.2	HSK 120/M10 B
17007.2	HSK 120/M10 B/B
17004.2	HSK 120/M12 B
17000.2	HSK 16/M5 B
17001.2	HSK 35/M6 B
17005.2	HSK 35/M6 B/B
17002.2	HSK 50/M8 B
17006.2	HSK 50/M8 B/B

CSA us

1004.4	SK 1/35 24 V AC LED PA-G
1006.2	KBL 6-10
1011.2	KBL 1,5-4/15
1016.2	KBL 1,5-4
1021.2	KBLD 4
1025.2	RKD 4/800V
1026.2	RKD 4 SV/800V
1027.2	RKD 4 SV
1067.4	SK 1/35 48V DC LED PA-G
1078.2	STK 2
1079.2	STKD 1
1090.6	SK 1/32 KRG
1091.6	SK 1/32 KRG
1092.6	SK 1/35 KRG

Cat. no.	Type
1093.6	SK 1/35 KRG
1119.4	SK 1/35 48V AC LED PA-G
1120.2	RK 50
1122.2	RK 95
1124.2	RK 150
1126.2	RK 240
1127.2	RKD 2,5/35
1128.2	RKD 4/35
1130.2	PTK/LT
1131.2	PTK/LT/STB
1132.2	PTK/QT
1133.2	PTK/QT/STB
1134.2	PTK/DU
1135.2	PTK/DU/STB
1190.2	STK 2/15 BG
1196.2	SL 16/32
1197.2	SL 16/35
1198.2	SL 35/32
1199.2	SL 35/35
1222.2	TKS 4/1 BG
1223.2	TKS 4/2 BG
1224.2	TKS 4/3 BG
1225.2	TKS 4/1F BG
1226.2	TKS 4/2F BG
1227.2	TKS 4/3F BG
1261.2	IKD 2,5
1295.2	IKD 2,5F
1367.4	SK 1/35 PA-G
1368.4	SK 1/35 w.K. PA-G
1375,4	SK 1/35 230V AC G PA-G
1376.4	SK 1/35 115V AC G PA-G
1380.4	SK 1/35 24V DC LED PA-G
1418.2	DLI 2,5 PE/L/N
1419.2	DLI 2,5 PE/L/L
1420.2	DLI 2,5 L/N
1421.2	DLI 2,5 L/L
1422.2	DLI 2,5 N
1423.2	DLI 2,5 L
1425.2	VMAK 2,5
1497.2	BKA-10
1511.2	RK 16/35 N
1512.2	RK 35/35 N
1520.2	VMAB 2,5
1521.2	VMAB 2,5-4
1522.2	VMAB 6-10
1523.2	FNAB 2,5
1524.2	FNAB 2,5-4
1525.2	FNAB 6-10
1533.2	SL 16/35 N
1534.2	SL 35/35 N
1574.2	RK 2,5/35 N/2 Q
1577.2	RK 2,5-4/35
1578.2	RK 6-10/35
1579.2	RKD 2,5/35 SV
1581.2	RK 2,5-4/35 PA-G
1748.4	RK 6-10/35 PA-G
1749.4	RKD 4/35 SV
2269.2	IKD 2,5 F/Q
2584.2	RKDG 4
2747.4	RK 16/35 N PA-G
2748.4	RK 35/35 N PA-G
3200.2	FRK 1,5/2A BG
3201.2	FRK 1,5/3A BG
3202.2	FRK 1,5/4A BG
3203.2	FSL 1,5/2A
3204.2	FSL 1,5/3A
3205.2	FSL 1,5/4A
3210.2	FRK 2,5/2A BG
3211.2	FRK 2,5/3A BG
3212.2	FRK 2,5/4A BG
3213.2	FSL 2,5/2A
3214.2	FSL 2,5/3A
3215.2	FSL 2,5/4A
3220.2	FRK 4/2A BG

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Cat. no.	Type
3221.2	FRK 4/3A BG
3222.2	FRK 4/4A BG
3223.2	FSL 4/2A
3224.2	FSL 4/3A
3225.2	FSL 4/4A
3226.2	FRKD 2,5 BG
3227.2	FRKD 2,5 SV BG
3228.2	FRKD 2,5/Z BG
3229.2	FRKD 2,5 SV/Z BG
3230.2	FRKD 2,5/D1 BG
3231.2	FRKD 2,5-BL BG
3232.2	FRKD 2,5 SV-BL BG
3233.2	FRKD 2,5 N-DU
3234.2	FRKD 2,5 DU-PE
3235.2	FRKD 2,5 N-PE
3237.2	FRKD 2,5/LD1 BG
3238.2	FRKD 2,5/LD2 BG
3253.2	FRKD 2,5/D2 BG
3254.2	FRKD 2,5/D3 BG
3255.2	FRKD 2,5/D4 BG
3256.2	FRKD 2,5/D5 BG
3240.2	FDLIS 2,5-4 NT/L/PE
3241.2	FDLIS 2,5-4 N/L/PE
3242.2	FDLIS 2,5-4 L/L/PE
3243.2	FDLIS 2,5-4 N/L
3244.2	FDLIS 2,5-4 L/L
3245.2	FDLIS 2,5-4 N
3246.2	FDLIS 2,5-4 L
3247.2	FDLIS B 2,5-4 3NT/3L/3PE
3248.2	FDLIS B 2,5-4 NT/3L/PE
3249.2	FDLIS B 2,5-4 3L/3N/3PE
3250.2	FDLIS B 2,5-4 3L/N/PE
3251.2	FDLIS B 2,5-4 6L
3252.2	FDLIS B 2,5-4 6L/3PE
3236.2	FSLD 2,5
3500.2	ZRK 2,5/2A
3501.2	ZRK 2,5/3A
3502.2	ZRK 2,5/4A
3503.2	ZRK 2,5/2x2 A
3504.2	ZRK 2,5/2x2 A/D
3505.2	ZRK 2,5/2x2 A/LD
3510.2	ZSL 2,5/2A
3511.2	ZSL 2,5/3A
3512.2	ZSL 2,5/4A
3515.2	ZRK 4/2A
3516.2	ZRK 4/3A
3517.2	ZRK 4/4A
3518.2	ZRK 4/2x2A
3525.2	ZSL 4/2A
3526.2	ZSL 4/3A
3527.2	ZSL 4/4A
3528.2	ZIZA 1,5/3
3529.2	ZIZA 1,5/3/B
3532.2	ZIZA 1,5/3/PE
3533.2	ZIZA 1,5/4
3534.2	ZIZA 1,5/4/B
3537.2	ZIZA 1,5/4/PE
3542.2	ZRK 2,5/2x2 A/D- BG
3543.2	ZRK 2,5/2x2 A/LD- BG
3562.2	ZRKD 2,5
3563.2	ZRKD 2,5 SV
3564.2	ZRKD 2,5 N-DU
3565.2	ZRKD 2,5 DU-PE
3566.2	ZRKD 2,5 N-PE
3567.2	ZSLD 2,5
3568.2	ZRKD 2,5/LD1
3569.2	ZRKD 2,5/LD2
3570.2	ZRKD 2,5/D1
3571.2	ZRKD 2,5/D2
3572.2	ZRKD 2,5/D3
3573.2	ZRKD 2,5/D4
3574.2	ZRKD 2,5/D5
3581.2	ZRK 6/2A BG
3582.2	ZVMAK 2,5 BG

Cat. no.	Type
3583.2	ZSRK 2,5/2A/35
3584.2	ZSLN 2,5/2A
3585.2	ZSRK 2,5/2A/15 BG
3586.2	ZSLN 2,5/2A/15
3587.2	ZSRK 2,5/2A/RC BG
3588.2	ZSRK 2,5/2A/D BG
3589.2	ZSL 6/2A
3590.2	ZIKD 2,5 BG
3591.2	ZIKD 2,5 SV BG
3592.2	ZIKD 2,5 PE-L-L BG
3592.5	ZIKD 2,5 PE-N-N BU
3593.2	ZIKD 2,5 SV-PE GN
3594.2	ZIKD 2,5 PE-L-N BG
3595.2	ZSRK 2,5/2A/D/F BG
3596.2	ZMP 1,5 BG
3597.2	ZRK 10/2A BG
3598.2	ZSL 10/2A
3599.2	ZSRK 2,5/3A/15
3600.2	ZSRK 2,5/3A
3601.2	ZSLN 2,5/3A/15
3602.2	ZSLN 2,5/3A
3636.2	ZRK 16/2A
3637.2	ZSL 16/2A
3738.2	ZPL 1,5
3739.6	ZPL 1,5/BR
3742.5	ZPL 1,5/BL
3743.2	ZPL 1,5/PE GN
3257.2	FTRK 2,5/2A/OT BG
3258.2	FTRK 2,5/3A/OT BG
3259.2	FTRK 2,5/2A/MT BG
3260.2	FTRK 2,5/3A/MT BG
3261.2	FTRK 2,5/2A/ST BG
3262.2	FTRK 2,5/3A/ST BG
3263.2	FTRK 2,5/2A/ZS BG
3264.2	FTRK 2,5/2A/ZS 36 BG
3265.2	FTRK 2,5/2A/ZS 70 BG
3266.2	FTRK 2,5/2A/ZS 150 BG
3267.2	FTRK 2,5/2A/ZS 250 BG
3268.2	FTRK 2,5/3A/ZS BG
3269.2	FTRK 2,5/3A/ZS 36 BG
3270.2	FTRK 2,5/3A/ZS 70 BG
3271.2	FTRK 2,5/3A/ZS 150 BG
3272.2	FTRK 2,5/3A/ZS 250 BG
17003.2	HSK 120/M10 B
17007.2	HSK 120/M10 B/B
17004.2	HSK 120/M12 B
17000.2	HSK 16/M5 B
17001.2	HSK 35/M6 B
17005.2	HSK 35/M6 B/B
17002.2	HSK 50/M8 B
17006.2	HSK 50/M8 B/B

NEMKO

1001.2	RK 2,5-4
1002.2	KBL 2,5-4
1005.2	RK 6-10
1006.2	KBL 6-10
1010.2	RK 1,5-4/15
1011.2	KBL 1,5-4/15
1014.2	FF 2,5
1015.2	RK 1,5-4
1016.2	KBL 1,5-4
1019.2	SF 2,5-4
1020.2	RKD 4
1021.2	KBLD 4
1025.2	RKD 4/800V
1027.2	RKD 4 SV
1030.2	SRK 2,5
1035.2	SRK 2,5/15
1050.2	RK 16
1052.2	RK 35
1055.2	SL 2,5/32
1056.2	SL 2,5/35
1057.2	SLN 2,5/32

Cat. no.	Type
1058.2	SLN 2,5/35
1064.2	SL 4/15
1065.2	SL 4/32
1066.2	SL 10/32
1078.2	STK 2
1079.2	STKD 1
1090.6	SK 1/32 KRG
1091.6	SK 1/32 KRG
1092.6	SK 1/35 KRG
1093.6	SK 1/35 KRG
1101.2	SIK 10
1102.2	SIK 10/Z
1103.2	SIK 10/LED BG
1104.2	SIK 10/LED BG
1105.2	SIK 10/LED BG
1106.2	SIK 10/LED BG
1107.2	SIK 10/2 LED´s BG
1108.2	SIK 10/Z/LED BG
1109.2	SIK 10/Z/LED BG
1110.2	SIK 10/Z/LED BG
1111.2	SIK 10/Z/LED BG
1112.2	SIK 10/Z/2 LED´s BG
1120.2	RK 50
1122.2	RK 95
1124.2	RK 150
1126.2	RK 240
1127.2	RKD 2,5/35
1128.2	RKD 4/35
1138.2	TK 10
1141.2-1150.2	TK 4 (1-10 poles)
1151.2-1160.2	TK 4 F (1-10 poles)
1190.2	STK 2/15 BG
1196.2	SL 16/32
1197.2	SL 16/35
1198.2	SL 35/32
1199.2	SL 35/35
1206.2	RKD 2,5
1209.2	RKD 2,5 SV
1210.2	RK 2,5-4 ZR
1211.2	RK 2,5-4ZRL
1212.2	SL 4/35
1213.2	SL 10/35
1214.5	NT 2,5 - 4
1215.5	NT 6-10
1216.5	NT 2,5 - 4
1217.5	NT 6-10
1260.2	IK 2,5
1261.2	IKD 2,5
1295.2	IKD 2,5F
1296.2	RK 2,5
1320.2-1335.2	BKA 2,5(1 pole)
1390.2	TRK 1,5
1391.2	TRK 1,5 STB
1392.2	TRK 1,5/15
1393.2	TRK 1,5/15 STB
1394.2	TRK 1,5 DS
1395.2	TRK 1,5 /DS/STB
1396.2	TRK 1,5/15 DS
1397.2	TRK 1,5/15/DS/STB
1398.3	TRK 1,5 BG without DS
1399.3	TRK 1,5/STB without DS
1418.2	DLI 2,5 PE/L/N
1419.2	DLI 2,5 PE/L/L
1420.2	DLI 2,5 L/N
1421.2	DLI 2,5 L/L
1425.2	VMAK 2,5
1497.2	BKA-10
1497.2 - 1510.2	BKA 10 (1 pole)
1511.2	RK 16/35 N
1512.2	RK 35/35 N
1520.2	VMAB 2,5
1521.2	VMAB 2,5-4
1522.2	VMAB 6-10
1523.2	FNAB 2,5

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Cat. no.	Type
1524.2	FNAB 2,5-4
1525.2	FNAB 6-10
1533.2	SL 16/35 N
1534.2	SL 35/35 N
1574.2	RK 2,5/35 N/2 Q
1577.2	RK 2,5-4/35
1578.2	RK 6-10/35
1579.2	RKD 2,5/35 SV
1581.2	RKD 4/35 SV
2158.2	BKA 4(1 pole)
2268.2	IKD 2,5/Q
2269.2	IKD 2,5 F/Q
2584.2	RKDG 4
3200.2	FRK 1,5/2A BG
3201.2	FRK 1,5/3A BG
3202.2	FRK 1,5/4A BG
3203.2	FSL 1,5/2A
3204.2	FSL 1,5/3A
3205.2	FSL 1,5/4A
3210.2	FRK 2,5/2A BG
3211.2	FRK 2,5/3A BG
3212.2	FRK 2,5/4A BG
3213.2	FSL 2,5/2A
3214.2	FSL 2,5/3A
3215.2	FSL 2,5/4A
3220.2	FRK 4/2A BG
3221.2	FRK 4/3A BG
3222.2	FRK 4/4A BG
3223.2	FSL 4/2A
3224.2	FSL 4/3A
3225.2	FSL 4/4A
3500.2	ZRK 2,5/2A
3501.2	ZRK 2,5/3A
3502.2	ZRK 2,5/4A
3503.2	ZRK 2,5/2x2 A
3504.2	ZRK 2,5/2x2 A/D
3505.2	ZRK 2,5/2x2 A/LD
3510.2	ZSL 2,5/2A
3511.2	ZSL 2,5/3A
3512.2	ZSL 2,5/4A
3515.2	ZRK 4/2A
3516.2	ZRK 4/3A
3517.2	ZRK 4/4A
3518.2	ZRK 4/2x2A
3519.2	ZRK 4/2x2 A/D BG
3520.2	ZRK 4/2x2 A/LED BG
3525.2	ZSL 4/2A
3526.2	ZSL 4/3A
3527.2	ZSL 4/4A
3528.2	ZIZA 1,5/3
3529.2	ZIZA 1,5/3/B
3532.2	ZIZA 1,5/3/PE
3533.2	ZIZA 1,5/4
3534.2	ZIZA 1,5/4/B
3537.2	ZIZA 1,5/4/PE
3562.2	ZRKD 2,5
3563.2	ZRKD 2,5 SV
3564.2	ZRKD 2,5 N-DU
3565.2	ZRKD 2,5 DU-PE
3566.2	ZRKD 2,5 N-PE
3567.2	ZSLD 2,5
3581.2	ZRK 6/2A BG
3582.2	ZVMAK 2,5 BG
3583.2	ZSRK 2,5/2A/35
3584.2	ZSLN 2,5/2A
3585.2	ZSRK 2,5/2A/15 BG
3586.2	ZSLN 2,5/2A/15
3587.2	ZSRK 2,5/2A/RC BG
3588.2	ZSRK 2,5/2A/D BG
3589.2	ZSL 6/2A
3590.2	ZIKD 2,5 BG
3591.2	ZIKD 2,5 SV BG
3592.2	ZIKD 2,5 PE-L-L BG
3592.5	ZIKD 2,5 PE-N-N BU
3593.2	ZIKD 2,5 SV-PE GN
3594.2	ZIKD 2,5 PE-L-N BG
3595.2	ZSRK 2,5/2A/D/F BG
3596.2	ZMP 1,5 BG
3597.2	ZRK 10/2A BG
3598.2	ZSL 10/2A
3599.2	ZSRK 2,5/3A/15
3600.2	ZSRK 2,5/3A
3601.2	ZSLN 2,5/3A/15
3602.2	ZSLN 2,5/3A
3603.2-3630.2	ZTRK 2,5
3636.2	ZRK 16/2A
3637.2	ZSL 16/2A
3738.2	ZPL 1,5
3739.6	ZPL 1,5/BR
3742.5	ZPL 1,5/BL
3743.2	ZPL 1,5/PE GN

KEMA

Cat. no.	Type
1222.2	TKS 4/1 BG
1223.2	TKS 4/2 BG
1224.2	TKS 4/3 BG
1225.2	TKS 4/1F BG
1226.2	TKS 4/2F BG
1227.2	TKS 4/3F BG
3226.2	FRKD 2,5 BG
3227.2	FRKD 2,5 SV BG
3228.2	FRKD 2,5/Z BG
3229.2	FRKD 2,5 SV/Z BG
3230.2	FRKD 2,5/D1 BG
3231.2	FRKD 2,5-BL BG
3232.2	FRKD 2,5 SV-BL BG
3233.2	FRKD 2,5 N-DU
3234.2	FRKD 2,5 DU-PE
3235.2	FRKD 2,5 N-PE
3237.2	FRKD 2,5/LD1 BG
3238.2	FRKD 2,5/LD2 BG
3253.2	FRKD 2,5/D2 BG
3254.2	FRKD 2,5/D3 BG
3255.2	FRKD 2,5/D4 BG
3256.2	FRKD 2,5/D5 BG
3240.2	FDLIS 2,5-4 NT/L/PE
3241.2	FDLIS 2,5-4 N/L/PE
3242.2	FDLIS 2,5-4 L/L/PE
3243.2	FDLIS 2,5-4 N/L
3244.2	FDLIS 2,5-4 L/L
3245.2	FDLIS 2,5-4 N
3246.2	FDLIS 2,5-4 L
3247.2	FDLIS B 2,5-4 3NT/3L/3PE
3248.2	FDLIS B 2,5-4 NT/3L/PE
3249.2	FDLIS B 2,5-4 3L/3N/3PE
3250.2	FDLIS B 2,5-4 3L/N/PE
3251.2	FDLIS B 2,5-4 6L
3252.2	FDLIS B 2,5-4 6L/3PE
3257.2	FTRK 2,5/2A/OT BG
3258.2	FTRK 2,5/3A/OT BG
3259.2	FTRK 2,5/2A/MT BG
3260.2	FTRK 2,5/3A/MT BG
3261.2	FTRK 2,5/2A/ST BG
3262.2	FTRK 2,5/3A/ST BG
3263.2	FTRK 2,5/2A/ZS BG
3264.2	FTRK 2,5/2A/ZS 36 BG
3265.2	FTRK 2,5/2A/ZS 70 BG
3266.2	FTRK 2,5/2A/ZS 150 BG
3267.2	FTRK 2,5/2A/ZS 250 BG
3268.2	FTRK 2,5/3A/ZS BG
3269.2	FTRK 2,5/3A/ZS 36 BG
3270.2	FTRK 2,5/3A/ZS 70 BG
3271.2	FTRK 2,5/3A/ZS 150 BG
3272.2	FTRK 2,5/3A/ZS 250 BG
17003.2	HSK 120/M10 B
17007.2	HSK 120/M10 B/B
17004.2	HSK 120/M12 B
17000.2	HSK 16/M5 B
17001.2	HSK 35/M6 B
17005.2	HSK 35/M6 B/B
17002.2	HSK 50/M8 B
17006.2	HSK 50/M8 B/B

GOST

Cat. no.	Type
1001.2	RK 2,5-4
1002.2	KBL 2,5-4
1005.2	RK 6-10
1006.2	KBL 6-10
1010.2	RK 1,5-4/15
1011.2	KBL 1,5-4/15
1014.2	FF 2,5
1015.2	RK 1,5-4
1016.2	KBL 1,5-4
1018.2	RKB 4
1019.2	SF 2,5-4
1020.2	RKD 4
1021.2	KBLD 4
1025.2	RKD 4/800V
1026.2	RKD 4 SV/800V
1027.2	RKD 4 SV
1030.2	SRK 2,5
1035.2	SRK 2,5/15
1050.2	RK 16
1052.2	RK 35
1055.2	SL 2,5/32
1056.2	SL 2,5/35
1057.2	SLN 2,5/32
1058.2	SLN 2,5/35
1064.2	SL 4/15
1065.2	SL 4/32
1066.2	SL 10/32
1078.2	STK 2
1079.2	STKD 1
1120.2	RK 50
1122.2	RK 95
1124.2	RK 150
1126.2	RK 240
1127.2	RKD 2,5/35
1128.2	RKD 4/35
1130.2	PTK/LT
1131.2	PTK/LT/STB
1132.2	PTK/QT
1133.2	PTK/QT/STB
1134.2	PTK/DU
1135.2	PTK/DU/STB
1138.2	TK 10
1139.2	TK 4 SI 5*20
1140.2	TK 4 SI 5*25
1141.2-1150.2	TK 4 (1-10 poles)
1151.2-1160.2	TK 4 F (1-10 poles)
1162.2	RK 16/Z BG
1163.2	RK 35/Z BG
1170.6	HSK 70/35 BB KRG
1171.6	HSK 95/35 BB KRG
1172.6	HSK 150/35 BB KRG
1190.2	STK 2/15
1190.2	STK 2/15 BG
1196.2	SL 16/32
1197.2	SL 16/35
1198.2	SL 35/32
1199.2	SL 35/35
1200.2	TSK 2,5 T BG
1201.2	TSK 2,5 J BG
1202.2	TSK 2,5 E BG
1203.2	TSK 2,5 K BG
1204.2	TSK 2,5 S BG
1205.2	TSK 2,5 R BG
1206.2	RKD 2,5
1207.2	KBLD 2,5 without diagram
1209.2	RKD 2,5 SV
1210.2	RK 2,5-4 ZR
1211.2	RK 2,5-4ZRL

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1213.2	SL 10/35
1214.5	NT 2,5 - 4
1215.5	NT 6-10
1216.5	NT 2,5 - 4
1217.5	NT 6-10
1260.2	IK 2,5
1261.2	IKD 2,5
1295.2	IKD 2,5F
1296.2	RK 2,5
1297.2	KBL 2,5
1320.2-1335.2	BKA 2,5(1 pole)
1381.2	STK 2/K
1382.2	STK 2/15/K
1383.2	STKD 1/K
1410.2	DLIS 2,5 PE/L/NT
1411.2	DLIS 2,5 PE/L/N
1412.2	DLIS 2,5 PE/L/L
1413.2	DLIS L/N
1414.2	DLIS L/L
1415.2	DLIS N
1416.2	DLIS L
1417.2	DLI PE/L/NT
1418.2	DLI 2,5 PE/L/N
1419.2	DLI 2,5 PE/L/L
1420.2	DLI 2,5 L/N
1421.2	DLI 2,5 L/L
1422.2	DLI 2,5 N
1423.2	DLI 2,5 L
1425.2	VMAK 2,5
1497.2	BKA-10
1497.2 - 1510.2	BKA 10 (1 pole)
1511.2	RK 16/35 N
1512.2	RK 35/35 N
1520.2	VMAB 2,5
1521.2	VMAB 2,5-4
1522.2	VMAB 6-10
1523.2	FNAB 2,5
1524.2	FNAB 2,5-4
1525.2	FNAB 6-10
1533.2	SL 16/35 N
1534.2	SL 35/35 N
1535.2	SL 16/35 IS
1536.2	SL 16/35 N/IS
1574.2	RK 2,5/35 N/2 Q
1577.2	RK 2,5-4/35
1578.2	RK 6-10/35
1579.2	RKD 2,5/35 SV
1581.2	RKD 4/35 SV
1748.4	RK 2,5-4/35 PA-G
1749.4	RK 6-10/35 PA-G
2158.2	BKA 4(1 pole)
2190.2	STK 1
2191.2	STK 1/15
2192.2	STK 1/D
2193.2	TK 2
2194.2	TK 2/15
2195.2	TK 2/D/K BG
2250.6	RK 2,5/32 KRG
2251.6	RK 4/32 KRG
2252.6	RK 6/32 KRG
2253.6	RK 10/32 KRG
2254.6	RK 16/32 KRG
2255.6	RK 35/32 KRG
2268.2	IKD 2,5/Q
2269.2	IKD 2,5 F/Q
2584.2	RKDG 4
2747.4	RK 16/35 N PA-G
2748.4	RK 35/35 N PA-G
3200.2	FRK 1,5/2A BG
3201.2	FRK 1,5/3A BG
3202.2	FRK 1,5/4A BG
3203.2	FSL 1,5/2A
3204.2	FSL 1,5/3A

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3205.2	FSL 1,5/4A
3210.2	FRK 2,5/2A BG
3211.2	FRK 2,5/3A BG
3212.2	FRK 2,5/4A BG
3213.2	FSL 2,5/2A
3214.2	FSL 2,5/3A
3215.2	FSL 2,5/4A
3220.2	FRK 4/2A BG
3221.2	FRK 4/3A BG
3222.2	FRK 4/4A BG
3223.2	FSL 4/2A
3224.2	FSL 4/3A
3225.2	FSL 4/4A
3500.2	ZRK 2,5/2A
3501.2	ZRK 2,5/3A
3502.2	ZRK 2,5/4A
3503.2	ZRK 2,5/2x2 A
3504.2	ZRK 2,5/2x2 A/D
3505.2	ZRK 2,5/2x2 A/LD
3510.2	ZSL 2,5/2A
3511.2	ZSL 2,5/3A
3512.2	ZSL 2,5/4A
3515.2	ZRK 4/2A
3516.2	ZRK 4/3A
3517.2	ZRK 4/4A
3518.2	ZRK 4/2x2A
3519.2	ZRK 4/2x2 A/D BG
3520.2	ZRK 4/2x2 A/LED BG
3525.2	ZSL 4/2A
3526.2	ZSL 4/3A
3527.2	ZSL 4/4A
3528.2	ZIZA 1,5/3
3529.2	ZIZA 1,5/3/B
3532.2	ZIZA 1,5/3/PE
3533.2	ZIZA 1,5/4
3534.2	ZIZA 1,5/4/B
3537.2	ZIZA 1,5/4/PE
3542.2	ZRK 2,5/2x2 A/D- BG
3543.2	ZRK 2,5/2x2 A/LD- BG
3562.2	ZRKD 2,5
3563.2	ZRKD 2,5 SV
3564.2	ZRKD 2,5 N-DU
3565.2	ZRKD 2,5 DU-PE
3566.2	ZRKD 2,5 N-PE
3567.2	ZSLD 2,5
3568.2	ZRKD 2,5/LD1
3569.2	ZRKD 2,5/LD2
3570.2	ZRKD 2,5/D1
3571.2	ZRKD 2,5/D2
3572.2	ZRKD 2,5/D3
3573.2	ZRKD 2,5/D4
3574.2	ZRKD 2,5/D5
3581.2	ZRK 6/2A BG
3582.2	ZVMAK 2,5 BG
3583.2	ZSRK 2,5/2A/35
3584.2	ZSLN 2,5/2A
3585.2	ZSRK 2,5/2A/15 BG
3586.2	ZSLN 2,5/2A/15
3587.2	ZSRK 2,5/2A/RC BG
3588.2	ZSRK 2,5/2A/D BG
3589.2	ZSL 6/2A
3590.2	ZIKD 2,5 BG
3591.2	ZIKD 2,5 SV BG
3592.2	ZIKD 2,5 PE-L-L BG
3592.5	ZIKD 2,5 PE-N-N BU
3593.2	ZIKD 2,5 SV-PE GN
3594.2	ZIKD 2,5 PE-L-N BG
3595.2	ZSRK 2,5/2A/D/F BG
3596.2	ZMP 1,5 BG
3597.2	ZRK 10/2A BG
3598.2	ZSL 10/2A
3599.2	ZSRK 2,5/3A/15
3600.2	ZSRK 2,5/3A
3601.2	ZSLN 2,5/3A/15

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3602.2	ZSLN 2,5/3A
3603.2	ZTRK 2,5
3636.2	ZRK 16/2A
3637.2	ZSL 16/2A
3638.2	ZSLN 2,5/2A/D
3639.2	ZSLN 2,5/2A/RC
3640.2	ZSLN 2,5/2A/D/F
3738.2	ZPL 1,5
3739.6	ZPL 1,5/BR
3742.5	ZPL 1,5/BL
3743.2	ZPL 1,5/PE GN
5001.1	PK 2,5/1/5,00
5101.1	PK 2,5/1
5201.1	PKDL 2,5/1/5,00
5301.1	PKDL 2,5/1/5,08
17003.2	HSK 120/M10 B
17007.2	HSK 120/M10 B/B
17004.2	HSK 120/M12 B
17000.2	HSK 16/M5 B
17001.2	HSK 35/M6 B
17005.2	HSK 35/M6 B/B
17002.2	HSK 50/M8 B
17006.2	HSK 50/M8 B/B
17103.2	SSL 2,5/2A
17107.2	SSL 4/2A
17111.2	SSL 6/2A
17115.2	SSL 10/2A

BBJ

1001.2	RK 2,5-4
1005.2	RK 6-10
1015.2	RK 1,5-4
1020.2	RKD 4
1050.2	RK 16
1052.2	RK 35
1056.2	SL 2,5/35
1078.2	STK 2
1092.6	SK 1/35 KRG
1093.6	SK 1/35 KRG
1120.2	RK 50
1122.2	RK 95
1124.2	RK 150
1126.2	RK 240
1170.6	HSK 70/35 BB KRG
1171.6	HSK 95/35 BB KRG
1172.6	HSK 150/35 BB KRG
1197.2	SL 16/35
1199.2	SL 35/35
1212.2	SL 4/35
1213.2	SL 10/35
1296.2	RK 2,5
1381.2	STK 2/K
1410.2	DLIS 2,5 PE/L/NT
1411.2	DLIS 2,5 PE/L/N
1412.2	DLIS 2,5 PE/L/L

DNV

1001.2	RK 2,5-4
1005.2	RK 6-10
1015.2	RK 1,5-4
1020.2	RKD 4
1030.2	SRK 2,5
1035.2	SRK 2,5/15
1050.2	RK 16
1052.2	RK 35
1064.2	SL 4/15
1065.2	SL 4/32
1066.2	SL 10/32
1212.2	SL 4/35
1213.2	SL 10/35
1296.2	RK 2,5

MEEI

1001.2	RK 2,5-4

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1005.2	RK 6-10
1006.2	KBL 6-10
1010.2	RK 1,5-4/15
1011.2	KBL 1,5-4/15
1015.2	RK 1,5-4
1016.2	KBL 1,5-4
1018.2	RKB 4
1030.2	SRK 2,5
1035.2	SRK 2,5/15
1050.2	RK 16
1052.2	RK 35
1120.2	RK 50
1122.2	RK 95
1124.2	RK 150
1126.2	RK 240
1162.2	RK 16/Z BG
1163.2	RK 35/Z BG
1210.2	RK 2,5-4 ZR
1211.2	RK 2,5-4ZRL
1320.2-1335.2	BKA 2,5(1 pole)
1396.2	TRK 1,5/15 DS
1397.2	TRK 1,5/15/DS/STB
2158.2	BKA 4(1 pole)

GL

1001.2	RK 2,5-4
1005.2	RK 6-10
1010.2	RK 1,5-4/15
1015.2	RK 1,5-4
1020.2	RKD 4
1030.2	SRK 2,5
1035.2	SRK 2,5/15
1050.2	RK 16
1052.2	RK 35
1090.6	SK 1/32 KRG
1091.6	SK 1/32 KRG
1092.6	SK 1/35 KRG
1093.6	SK 1/35 KRG
1120.2	RK 50
1122.2	RK 95
1124.2	RK 150
1126.2	RK 240
1206.2	RKD 2,5
1209.2	RKD 2,5 SV
1390.2	TRK 1,5
1392.2	TRK 1,5/15
1394.2	TRK 1,5 DS
1396.2	TRK 1,5/15 DS
1511.2	RK 16/35 N
1512.2	RK 35/35 N
2250.6	RK 2,5/32 KRG
2251.6	RK 4/32 KRG
2252.6	RK 6/32 KRG
2253.6	RK 10/32 KRG
2254.6	RK 16/32 KRG
2255.6	RK 35/32 KRG
3500.2	ZRK 2,5/2A
3501.2	ZRK 2,5/3A
3502.2	ZRK 2,5/4A
3510.2	ZSL 2,5/2A
3511.2	ZSL 2,5/3A
3512.2	ZSL 2,5/4A
3515.2	ZRK 4/2A
3516.2	ZRK 4/3A
3517.2	ZRK 4/4A
3525.2	ZSL 4/2A
3526.2	ZSL 4/3A
3527.2	ZSL 4/4A
3528.2	ZIZA 1,5/3
3529.2	ZIZA 1,5/3/B
3532.2	ZIZA 1,5/3/PE
3533.2	ZIZA 1,5/4
3534.2	ZIZA 1,5/4/B

Cat. no.	Type
3537.2	ZIZA 1,5/4/PE
3562.2	ZRKD 2,5
3563.2	ZRKD 2,5 SV
3564.2	ZRKD 2,5 N-DU
3565.2	ZRKD 2,5 DU-PE
3566.2	ZRKD 2,5 N-PE
3567.2	ZSLD 2,5
3581.2	ZRK 6/2A BG
3584.2	ZSLN 2,5/2A
3586.2	ZSLN 2,5/2A/15
3587.2	ZSRK 2,5/2A/RC BG
3588.2	ZSRK 2,5/2A/D BG
3589.2	ZSL 6/2A
3590.2	ZIKD 2,5 BG
3592.2	ZIKD 2,5 PE-L-L BG
3592.5	ZIKD 2,5 PE-N-N BU
3594.2	ZIKD 2,5 PE-L-N BG
3595.2	ZSRK 2,5/2A/D/F BG
3638.2	ZSLN 2,5/2A/D
3639.2	ZSLN 2,5/2A/RC
3640.2	ZSLN 2,5/2A/D/F
3738.2	ZPL 1,5
3739.6	ZPL 1,5/BR
3742.5	ZPL 1,5/BL
3743.2	ZPL 1,5/PE GN

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H 25,0/30 BN	**2267.0**	428
H 25,0/30-D YE	**2857.0**	429
H 25,0/30-T BK	**2511.0**	429
H 25,0/32	**3109.0**	432
H 25,0/36 BN	**2272.0**	428
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H 25,0/36-T BK	**3132.0**	429
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H 4,0/18	**3103.0**	432
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H 4,0/18-D GR	**2848.0**	429
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H 4,0/19,5 KS GR	**3086.0**	430
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H 4,0/20-D SR GR	**3194.0**	430
H 4,0/20-T OG	**3131.0**	429
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H 4,0/26-D GR	**2850.0**	429

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H 50,0/41-D BU	**3122.0**	429
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H 6,0/26 BK	**2211.0**	428
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H 6,0/26-T GN	**2133.0**	429
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KBH 16/6 Print " . "	**2639.0403**	377
KBH 16/6 Print " / "	**2639.0402**	377
KBH 16/6 Print " : "	**2639.0404**	377
KBH 16/6 Print " ~ "	**2639.0408**	377
KBH 16/6 Print " = "	**2639.0405**	377
KBH 16/6 Print "-"	**2639.0420**	377
KBH 16/6 Print "-" BU	**2639.0401**	377
KBH 16/6 Print "+"	**2639.0419**	377
KBH 16/6 Print "+" RD	**2639.0400**	377
KBH 16/6 Print "0"	**2639.0000**	377
KBH 16/6 Print "1"	**2639.0001**	377
KBH 16/6 Print "2"	**2639.0002**	377
KBH 16/6 Print "3"	**2639.0003**	377
KBH 16/6 Print "4"	**2639.0004**	377
KBH 16/6 Print "5"	**2639.0005**	377
KBH 16/6 Print "6"	**2639.0006**	377
KBH 16/6 Print "7"	**2639.0007**	377
KBH 16/6 Print "8"	**2639.0008**	377
KBH 16/6 Print "9"	**2639.0009**	377
KBH 16/6 Print "A"	**2639.0200**	377
KBH 16/6 Print "a"	**2639.0300**	377
KBH 16/6 Print "B"	**2639.0201**	377
KBH 16/6 Print "b"	**2639.0301**	377
KBH 16/6 Print "C"	**2639.0202**	377
KBH 16/6 Print "c"	**2639.0302**	377
KBH 16/6 Print "D"	**2639.0203**	377
KBH 16/6 Print "d"	**2639.0303**	377
KBH 16/6 Print "E"	**2639.0204**	377
KBH 16/6 Print "e"	**2639.0304**	377
KBH 16/6 Print "Earth with circuit"	**2639.0407**	377
KBH 16/6 Print "Earth"	**2639.0406**	377
KBH 16/6 Print "F"	**2639.0205**	377
KBH 16/6 Print "f"	**2639.0305**	377
KBH 16/6 Print "G"	**2639.0206**	377
KBH 16/6 Print "g"	**2639.0306**	377
KBH 16/6 Print "H"	**2639.0207**	377
KBH 16/6 Print "h"	**2639.0307**	377
KBH 16/6 Print "I"	**2639.0208**	377
KBH 16/6 Print "i"	**2639.0308**	377
KBH 16/6 Print "J"	**2639.0209**	377
KBH 16/6 Print "j"	**2639.0309**	377
KBH 16/6 Print "K"	**2639.0210**	377
KBH 16/6 Print "k"	**2639.0310**	377
KBH 16/6 Print "L"	**2639.0211**	377
KBH 16/6 Print "l"	**2639.0311**	377
KBH 16/6 Print "L1"	**2639.0409**	377
KBH 16/6 Print "L2"	**2639.0410**	377
KBH 16/6 Print "L3"	**2639.0411**	377
KBH 16/6 Print "M"	**2639.0212**	377
KBH 16/6 Print "m"	**2639.0312**	377
KBH 16/6 Print "MP"	**2639.0412**	377
KBH 16/6 Print "N"	**2639.0213**	377
KBH 16/6 Print "n"	**2639.0313**	377
KBH 16/6 Print "O"	**2639.0214**	377
KBH 16/6 Print "o"	**2639.0314**	377
KBH 16/6 Print "P"	**2639.0215**	377
KBH 16/6 Print "p"	**2639.0315**	377
KBH 16/6 Print "PE"	**2639.0413**	377
KBH 16/6 Print "Q"	**2639.0216**	377
KBH 16/6 Print "q"	**2639.0316**	377
KBH 16/6 Print "R"	**2639.0217**	377
KBH 16/6 Print "r"	**2639.0317**	377
KBH 16/6 Print "S"	**2639.0218**	377
KBH 16/6 Print "s"	**2639.0318**	377
KBH 16/6 Print "T"	**2639.0219**	377
KBH 16/6 Print "t"	**2639.0319**	377
KBH 16/6 Print "U"	**2639.0220**	377
KBH 16/6 Print "u"	**2639.0320**	377
KBH 16/6 Print "V"	**2639.0221**	377
KBH 16/6 Print "v"	**2639.0321**	377
KBH 16/6 Print "W"	**2639.0222**	377
KBH 16/6 Print "w"	**2639.0322**	377
KBH 16/6 Print "X"	**2639.0223**	377
KBH 16/6 Print "x"	**2639.0323**	377
KBH 16/6 Print "X1"	**2639.0414**	377
KBH 16/6 Print "X2"	**2639.0415**	377
KBH 16/6 Print "Y"	**2639.0224**	377
KBH 16/6 Print "y"	**2639.0324**	377
KBH 16/6 Print "Z"	**2639.0225**	377
KBH 16/6 Print "z"	**2639.0325**	377
KBH 3/15 blank WH	**2628.0**	378
KBH 3/15 blank YE	**2627.0**	378
KBH 3/21 blank WH Strip	**2662.0**	378
KBH 3/21 blank YE Strip	**2661.0**	378
KBH 3/27 blank WH Strip	**2663.0**	378
KBH 3/27 blank YE	**2629.0**	378
KBH 3/3 Print " . "	**2156.0403**	374
KBH 3/3 Print " . "	**2630.0403**	374

Type	Cat. no.	Page
KBH 3/3 Print " / "	**2156.0402**	374
KBH 3/3 Print " / "	**2630.0402**	374
KBH 3/3 Print " : "	**2156.0404**	374
KBH 3/3 Print " : "	**2630.0404**	374
KBH 3/3 Print " ~ "	**2156.0408**	374
KBH 3/3 Print " ~ "	**2630.0408**	374
KBH 3/3 Print " = "	**2156.0405**	374
KBH 3/3 Print " = "	**2630.0405**	374
KBH 3/3 Print "-"	**2156.0420**	374
KBH 3/3 Print "-"	**2630.0420**	374
KBH 3/3 Print "-" BU	**2156.0401**	374
KBH 3/3 Print "-" BU	**2630.0401**	374
KBH 3/3 Print "+"	**2156.0419**	374
KBH 3/3 Print "+"	**2630.0419**	374
KBH 3/3 Print "+" RD	**2156.0400**	374
KBH 3/3 Print "+" RD	**2630.0400**	374
KBH 3/3 Print "0"	**2156.0000**	374
KBH 3/3 Print "0"	**2630.0000**	374
KBH 3/3 Print "1"	**2156.0001**	374
KBH 3/3 Print "1"	**2630.0001**	374
KBH 3/3 Print "2"	**2156.0002**	374
KBH 3/3 Print "2"	**2630.0002**	374
KBH 3/3 Print "3"	**2156.0003**	374
KBH 3/3 Print "3"	**2630.0003**	374
KBH 3/3 Print "4"	**2156.0004**	374
KBH 3/3 Print "4"	**2630.0004**	374
KBH 3/3 Print "5"	**2156.0005**	374
KBH 3/3 Print "5"	**2630.0005**	374
KBH 3/3 Print "6"	**2156.0006**	374
KBH 3/3 Print "6"	**2630.0006**	374
KBH 3/3 Print "7"	**2156.0007**	374
KBH 3/3 Print "7"	**2630.0007**	374
KBH 3/3 Print "8"	**2156.0008**	374
KBH 3/3 Print "8"	**2630.0008**	374
KBH 3/3 Print "9"	**2156.0009**	374
KBH 3/3 Print "9"	**2630.0009**	374
KBH 3/3 Print "A"	**2156.0200**	374
KBH 3/3 Print "a"	**2156.0300**	374
KBH 3/3 Print "A"	**2630.0200**	374
KBH 3/3 Print "a"	**2630.0300**	374
KBH 3/3 Print "B"	**2156.0201**	374
KBH 3/3 Print "b"	**2156.0301**	374
KBH 3/3 Print "B"	**2630.0201**	374
KBH 3/3 Print "b"	**2630.0301**	374
KBH 3/3 Print "C"	**2156.0202**	374
KBH 3/3 Print "c"	**2156.0302**	374
KBH 3/3 Print "C"	**2630.0202**	374
KBH 3/3 Print "c"	**2630.0302**	374
KBH 3/3 Print "D"	**2156.0203**	374
KBH 3/3 Print "d"	**2156.0303**	374
KBH 3/3 Print "D"	**2630.0203**	374
KBH 3/3 Print "d"	**2630.0303**	374
KBH 3/3 Print "E"	**2156.0204**	374
KBH 3/3 Print "e"	**2156.0304**	374
KBH 3/3 Print "E"	**2630.0204**	374
KBH 3/3 Print "e"	**2630.0304**	374
KBH 3/3 Print "Earth with circuit"	**2156.0407**	374
KBH 3/3 Print "Earth with circuit"	**2630.0407**	374
KBH 3/3 Print "Earth"	**2156.0406**	374
KBH 3/3 Print "Earth"	**2630.0406**	374
KBH 3/3 Print "F"	**2156.0205**	374
KBH 3/3 Print "f"	**2156.0305**	374
KBH 3/3 Print "F"	**2630.0205**	374
KBH 3/3 Print "f"	**2630.0305**	374
KBH 3/3 Print "G"	**2156.0206**	374
KBH 3/3 Print "g"	**2156.0306**	374
KBH 3/3 Print "G"	**2630.0206**	374
KBH 3/3 Print "g"	**2630.0306**	374
KBH 3/3 Print "H"	**2156.0207**	374
KBH 3/3 Print "h"	**2156.0307**	374
KBH 3/3 Print "H"	**2630.0207**	374
KBH 3/3 Print "h"	**2630.0307**	374
KBH 3/3 Print "I"	**2156.0208**	374
KBH 3/3 Print "i"	**2156.0308**	374
KBH 3/3 Print "I"	**2630.0208**	374
KBH 3/3 Print "i"	**2630.0308**	374
KBH 3/3 Print "J"	**2156.0209**	374
KBH 3/3 Print "j"	**2156.0309**	374
KBH 3/3 Print "J"	**2630.0209**	374
KBH 3/3 Print "j"	**2630.0309**	374
KBH 3/3 Print "K"	**2156.0210**	374
KBH 3/3 Print "k"	**2156.0310**	374
KBH 3/3 Print "K"	**2630.0210**	374
KBH 3/3 Print "k"	**2630.0310**	374
KBH 3/3 Print "L"	**2156.0211**	374
KBH 3/3 Print "L"	**2630.0211**	374
KBH 3/3 Print "l"	**2630.0311**	374
KBH 3/3 Print "l" -small	**2156.0311**	374
KBH 3/3 Print "M"	**2156.0212**	374
KBH 3/3 Print "m"	**2156.0312**	374
KBH 3/3 Print "M"	**2630.0212**	374
KBH 3/3 Print "m"	**2630.0312**	374
KBH 3/3 Print "N"	**2156.0213**	374
KBH 3/3 Print "n"	**2156.0313**	374
KBH 3/3 Print "N"	**2630.0213**	374
KBH 3/3 Print "n"	**2630.0313**	374
KBH 3/3 Print "O"	**2156.0214**	374
KBH 3/3 Print "o"	**2156.0314**	374
KBH 3/3 Print "O"	**2630.0214**	374
KBH 3/3 Print "o"	**2630.0314**	374
KBH 3/3 Print "P"	**2156.0215**	374
KBH 3/3 Print "p"	**2156.0315**	374
KBH 3/3 Print "P"	**2630.0215**	374
KBH 3/3 Print "p"	**2630.0315**	374
KBH 3/3 Print "Q"	**2156.0216**	374
KBH 3/3 Print "q"	**2156.0316**	374
KBH 3/3 Print "Q"	**2630.0216**	374
KBH 3/3 Print "q"	**2630.0316**	374
KBH 3/3 Print "R"	**2156.0217**	374
KBH 3/3 Print "r"	**2156.0317**	374
KBH 3/3 Print "R"	**2630.0217**	374
KBH 3/3 Print "r"	**2630.0317**	374
KBH 3/3 Print "S"	**2156.0218**	374
KBH 3/3 Print "s"	**2156.0318**	374
KBH 3/3 Print "S"	**2630.0218**	374
KBH 3/3 Print "s"	**2630.0318**	374
KBH 3/3 Print "T"	**2156.0219**	374
KBH 3/3 Print "t"	**2156.0319**	374
KBH 3/3 Print "T"	**2630.0219**	374
KBH 3/3 Print "t"	**2630.0319**	374
KBH 3/3 Print "U"	**2156.0220**	374
KBH 3/3 Print "u"	**2156.0320**	374
KBH 3/3 Print "U"	**2630.0220**	374
KBH 3/3 Print "u"	**2630.0320**	374
KBH 3/3 Print "V"	**2156.0221**	374
KBH 3/3 Print "v"	**2156.0321**	374
KBH 3/3 Print "V"	**2630.0221**	374
KBH 3/3 Print "v"	**2630.0321**	374
KBH 3/3 Print "W"	**2156.0222**	374
KBH 3/3 Print "w"	**2156.0322**	374
KBH 3/3 Print "W"	**2630.0222**	374
KBH 3/3 Print "w"	**2630.0322**	374
KBH 3/3 Print "X"	**2156.0223**	374
KBH 3/3 Print "x"	**2156.0323**	374
KBH 3/3 Print "X"	**2630.0223**	374
KBH 3/3 Print "x"	**2630.0323**	374
KBH 3/3 Print "Y"	**2156.0224**	374
KBH 3/3 Print "y"	**2156.0324**	374
KBH 3/3 Print "Y"	**2630.0224**	374
KBH 3/3 Print "y"	**2630.0324**	374
KBH 3/3 Print "Z"	**2156.0225**	374
KBH 3/3 Print "z"	**2156.0325**	374
KBH 3/3 Print "Z"	**2630.0225**	374
KBH 3/3 Print "z"	**2630.0325**	374
KBH 3/3 blank BK	**2142.0100**	374
KBH 3/3 blank BK	**2631.0100**	374
KBH 3/3 blank BN	**2142.0101**	374
KBH 3/3 blank BN	**2631.0101**	374
KBH 3/3 blank BU	**2142.0106**	374
KBH 3/3 blank BU	**2631.0106**	374
KBH 3/3 blank GN	**2142.0105**	374
KBH 3/3 blank GN	**2631.0105**	374
KBH 3/3 blank GR	**2142.0108**	374
KBH 3/3 blank GR	**2631.0108**	374
KBH 3/3 blank OG	**2142.0103**	374
KBH 3/3 blank OG	**2631.0103**	374
KBH 3/3 blank RD	**2142.0102**	374
KBH 3/3 blank RD	**2631.0102**	374
KBH 3/3 blank VT	**2142.0107**	374
KBH 3/3 blank VT	**2631.0107**	374
KBH 3/3 blank WH	**2142.0109**	374
KBH 3/3 blank WH	**2631.0109**	374
KBH 3/3 blank YE	**2142.0104**	374
KBH 3/3 blank YE	**2631.0104**	374
KBH 3/6 Print "A1"	**2675.0417**	374
KBH 3/6 Print "A2"	**2675.0418**	374
KBH 3/6 Print "L1"	**2675.0409**	374
KBH 3/6 Print "L2"	**2675.0410**	374
KBH 3/6 Print "L3"	**2675.0411**	374
KBH 3/6 Print "MP"	**2675.0412**	374
KBH 3/6 Print "PE"	**2675.0413**	374
KBH 3/6 Print "X1"	**2675.0414**	374
KBH 3/6 Print "X2"	**2675.0415**	374
KBH 3/6 Print "X3"	**2675.0416**	374
KBH 3/6 Print "A1"	**2678.0417**	374
KBH 3/6 Print "A2"	**2678.0418**	374
KBH 3/6 Print "L1"	**2678.0409**	374
KBH 3/6 Print "L2"	**2678.0410**	374
KBH 3/6 Print "L3"	**2678.0411**	374
KBH 3/6 Print "MP"	**2678.0412**	374
KBH 3/6 Print "PE"	**2678.0413**	374
KBH 3/6 Print "X1"	**2678.0414**	374
KBH 3/6 Print "X2"	**2678.0415**	374
KBH 3/6 Print "X3"	**2678.0416**	374
KBH 5/15 blank WH Strip	**2665.0**	379
KBH 5/15 blank YE Strip	**2664.0**	379
KBH 5/21 blank WH Strip	**2674.0**	379
KBH 5/21 blank YE Strip	**2673.0**	379
KBH 5/27 blank WH Strip	**2685.0**	379
KBH 5/27 blank YE Strip	**2684.0**	379
KBH 5/3 Print " . "	**2632.0403**	375
KBH 5/3 Print " / "	**2632.0402**	375
KBH 5/3 Print " : "	**2632.0404**	375
KBH 5/3 Print " ~ "	**2632.0408**	375
KBH 5/3 Print " = "	**2632.0405**	375
KBH 5/3 Print "-"	**2632.0420**	375
KBH 5/3 Print "-" BU	**2632.0401**	375
KBH 5/3 Print "+"	**2632.0419**	375
KBH 5/3 Print "+" RD	**2632.0400**	375
KBH 5/3 Print "0"	**2632.0000**	375
KBH 5/3 Print "1"	**2632.0001**	375
KBH 5/3 Print "2"	**2632.0002**	375
KBH 5/3 Print "3"	**2632.0003**	375
KBH 5/3 Print "4"	**2632.0004**	375
KBH 5/3 Print "5"	**2632.0005**	375
KBH 5/3 Print "6"	**2632.0006**	375
KBH 5/3 Print "7"	**2632.0007**	375
KBH 5/3 Print "8"	**2632.0008**	375
KBH 5/3 Print "9"	**2632.0009**	375
KBH 5/3 Print "A"	**2632.0200**	375
KBH 5/3 Print "a"	**2632.0300**	375
KBH 5/3 Print "B"	**2632.0201**	375
KBH 5/3 Print "b"	**2632.0301**	375
KBH 5/3 Print "C"	**2632.0202**	375
KBH 5/3 Print "c"	**2632.0302**	375
KBH 5/3 Print "D"	**2632.0203**	375
KBH 5/3 Print "d"	**2632.0303**	375
KBH 5/3 Print "E"	**2632.0204**	375
KBH 5/3 Print "e"	**2632.0304**	375
KBH 5/3 Print "Earth with circuit"	**2632.0407**	375
KBH 5/3 Print "Earth"	**2632.0406**	375
KBH 5/3 Print "F"	**2632.0205**	375
KBH 5/3 Print "f"	**2632.0305**	375
KBH 5/3 Print "G"	**2632.0206**	375
KBH 5/3 Print "g"	**2632.0306**	375
KBH 5/3 Print "H"	**2632.0207**	375
KBH 5/3 Print "h"	**2632.0307**	375
KBH 5/3 Print "I"	**2632.0208**	375
KBH 5/3 Print "i"	**2632.0308**	375
KBH 5/3 Print "J"	**2632.0209**	375
KBH 5/3 Print "j"	**2632.0309**	375
KBH 5/3 Print "K"	**2632.0210**	375
KBH 5/3 Print "k"	**2632.0310**	375
KBH 5/3 Print "L"	**2632.0211**	375
KBH 5/3 Print "l"	**2632.0311**	375
KBH 5/3 Print "M"	**2632.0212**	375
KBH 5/3 Print "m"	**2632.0312**	375
KBH 5/3 Print "N"	**2632.0213**	375
KBH 5/3 Print "n"	**2632.0313**	375
KBH 5/3 Print "O"	**2632.0214**	375
KBH 5/3 Print "o"	**2632.0314**	375
KBH 5/3 Print "o"	**2632.0315**	375
KBH 5/3 Print "P"	**2632.0215**	375
KBH 5/3 Print "Q"	**2632.0216**	375
KBH 5/3 Print "q"	**2632.0316**	375
KBH 5/3 Print "R"	**2632.0217**	375
KBH 5/3 Print "r"	**2632.0317**	375
KBH 5/3 Print "S"	**2632.0218**	375
KBH 5/3 Print "s"	**2632.0318**	375
KBH 5/3 Print "T"	**2632.0219**	375
KBH 5/3 Print "t"	**2632.0319**	375
KBH 5/3 Print "U"	**2632.0220**	375
KBH 5/3 Print "u"	**2632.0320**	375
KBH 5/3 Print "V"	**2632.0221**	375
KBH 5/3 Print "v"	**2632.0321**	375
KBH 5/3 Print "W"	**2632.0222**	375
KBH 5/3 Print "w"	**2632.0322**	375
KBH 5/3 Print "X"	**2632.0223**	375
KBH 5/3 Print "x"	**2632.0323**	375
KBH 5/3 Print "Y"	**2632.0224**	375
KBH 5/3 Print "y"	**2632.0324**	375
KBH 5/3 Print "Z"	**2632.0225**	375
KBH 5/3 Print "z"	**2632.0325**	375
KBH 5/3 blank BK	**2633.0100**	375
KBH 5/3 blank BN	**2633.0101**	375
KBH 5/3 blank BU	**2633.0106**	375
KBH 5/3 blank GN	**2633.0105**	375
KBH 5/3 blank GR	**2633.0108**	375
KBH 5/3 blank OG	**2633.0103**	375
KBH 5/3 blank RD	**2633.0102**	375
KBH 5/3 blank VT	**2633.0107**	375
KBH 5/3 blank WH	**2633.0109**	375
KBH 5/3 blank YE	**2633.0104**	375
KBH 5/3 Print " . "	**2160.0403**	375
KBH 5/3 Print " / "	**2160.0402**	375
KBH 5/3 Print " : "	**2160.0404**	375

Type	Cat. no.	Page
KBH 5/3 Print " ~ "	**2160.0408**	375
KBH 5/3 Print " = "	**2160.0405**	375
KBH 5/3 Print "-"	**2160.0420**	375
KBH 5/3 Print "-" BU	**2160.0401**	375
KBH 5/3 Print "+"	**2160.0419**	375
KBH 5/3 Print "+" RD	**2160.0400**	375
KBH 5/3 Print "0"	**2160.0000**	375
KBH 5/3 Print "1"	**2160.0001**	375
KBH 5/3 Print "2"	**2160.0002**	375
KBH 5/3 Print "3"	**2160.0003**	375
KBH 5/3 Print "4"	**2160.0004**	375
KBH 5/3 Print "5"	**2160.0005**	375
KBH 5/3 Print "6"	**2160.0006**	375
KBH 5/3 Print "7"	**2160.0007**	375
KBH 5/3 Print "8"	**2160.0008**	375
KBH 5/3 Print "9"	**2160.0009**	375
KBH 5/3 Print "A"	**2160.0200**	375
KBH 5/3 Print "a"	**2160.0300**	375
KBH 5/3 Print "B"	**2160.0201**	375
KBH 5/3 Print "b"	**2160.0301**	375
KBH 5/3 Print "C"	**2160.0202**	375
KBH 5/3 Print "c"	**2160.0302**	375
KBH 5/3 Print "D"	**2160.0203**	375
KBH 5/3 Print "d"	**2160.0303**	375
KBH 5/3 Print "E"	**2160.0204**	375
KBH 5/3 Print "e"	**2160.0304**	375
KBH 5/3 Print "Earth with circuit"	**2160.0407**	375
KBH 5/3 Print "Earth"	**2160.0406**	375
KBH 5/3 Print "F"	**2160.0205**	375
KBH 5/3 Print "f"	**2160.0305**	375
KBH 5/3 Print "G"	**2160.0206**	375
KBH 5/3 Print "g"	**2160.0306**	375
KBH 5/3 Print "H"	**2160.0207**	375
KBH 5/3 Print "h"	**2160.0307**	375
KBH 5/3 Print "I"	**2160.0208**	375
KBH 5/3 Print "i"	**2160.0308**	375
KBH 5/3 Print "J"	**2160.0209**	375
KBH 5/3 Print "j"	**2160.0309**	375
KBH 5/3 Print "K"	**2160.0210**	375
KBH 5/3 Print "k"	**2160.0310**	375
KBH 5/3 Print "L"	**2160.0211**	375
KBH 5/3 Print "l"	**2160.0311**	375
KBH 5/3 Print "M"	**2160.0212**	375
KBH 5/3 Print "m"	**2160.0312**	375
KBH 5/3 Print "N"	**2160.0213**	375
KBH 5/3 Print "n"	**2160.0313**	375
KBH 5/3 Print "O"	**2160.0214**	375
KBH 5/3 Print "o"	**2160.0314**	375
KBH 5/3 Print "P"	**2160.0215**	375
KBH 5/3 Print "p"	**2160.0315**	375
KBH 5/3 Print "Q"	**2160.0216**	375
KBH 5/3 Print "q"	**2160.0316**	375
KBH 5/3 Print "R"	**2160.0217**	375
KBH 5/3 Print "r"	**2160.0317**	375
KBH 5/3 Print "S"	**2160.0218**	375
KBH 5/3 Print "s"	**2160.0318**	375
KBH 5/3 Print "T"	**2160.0219**	375
KBH 5/3 Print "t"	**2160.0319**	375
KBH 5/3 Print "U"	**2160.0220**	375
KBH 5/3 Print "u"	**2160.0320**	375
KBH 5/3 Print "V"	**2160.0221**	375
KBH 5/3 Print "v"	**2160.0321**	375
KBH 5/3 Print "W"	**2160.0222**	375
KBH 5/3 Print "w"	**2160.0322**	375
KBH 5/3 Print "X"	**2160.0223**	375
KBH 5/3 Print "x"	**2160.0323**	375
KBH 5/3 Print "Y"	**2160.0224**	375
KBH 5/3 Print "y"	**2160.0324**	375
KBH 5/3 Print "Z"	**2160.0225**	375
KBH 5/3 Print "z"	**2160.0325**	375
KBH 5/3 blank BK	**2146.0100**	375
KBH 5/3 blank BN	**2146.0101**	375
KBH 5/3 blank BU	**2146.0106**	375
KBH 5/3 blank GN	**2146.0105**	375
KBH 5/3 blank GR	**2146.0108**	375
KBH 5/3 blank OG	**2146.0103**	375
KBH 5/3 blank RD	**2146.0102**	375
KBH 5/3 blank RD	**2146.0102**	375
KBH 5/3 blank VT	**2146.0107**	375
KBH 5/3 blank VT	**2146.0107**	375
KBH 5/3 blank WH	**2146.0109**	375
KBH 5/3 blank WH	**2146.0109**	375
KBH 5/3 blank YE	**2146.0104**	375
KBH 5/3 blank YE	**2146.0104**	375
KBH 5/6 Print"A2"	**2634.0418**	375
KBH 5/6 Print"L1"	**2634.0409**	375
KBH 5/6 Print"L2"	**2634.0410**	375
KBH 5/6 Print"L3"	**2634.0411**	375
KBH 5/6 Print"MP"	**2634.0412**	375
KBH 5/6 Print"PE"	**2634.0413**	375
KBH 5/6 Print"X1"	**2634.0414**	375
KBH 5/6 Print"X2"	**2634.0415**	375

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KBH 5/6 Print"X3"	**2634.0416**	375
KBH 5/6 Print "A1"	**2681.0417**	375
KBH 5/6 Print "A2"	**2681.0418**	375
KBH 5/6 Print "L1"	**2681.0409**	375
KBH 5/6 Print "L2"	**2681.0410**	375
KBH 5/6 Print "L3"	**2681.0411**	375
KBH 5/6 Print "MP"	**2681.0412**	375
KBH 5/6 Print "PE"	**2681.0413**	375
KBH 5/6 Print "X1"	**2681.0414**	375
KBH 5/6 Print "X2"	**2681.0415**	375
KBH 5/6 Print "X3"	**2681.0416**	375
KBH 5/6 Print"A1"	**2634.0417**	375
KBH-C 10 Beutel Print "/"	**2591.0402**	381
KBH-C 10 Bag print " : "	**2591.0404**	381
KBH-C 10 Bag print " ~ "	**2591.0408**	381
KBH-C 10 Bag print "-"	**2591.0420**	381
KBH-C 10 Bag print "-" BU	**2591.0401**	381
KBH-C 10 Bag print "."	**2591.0403**	381
KBH-C 10 Bag print "+"	**2591.0419**	381
KBH-C 10 Bag print "+" RD	**2591.0400**	381
KBH-C 10 Bag print "="	**2591.0405**	381
KBH-C 10 Bag print "0"	**2591.0000**	381
KBH-C 10 Bag print "1"	**2591.0001**	381
KBH-C 10 Bag print "2"	**2591.0002**	381
KBH-C 10 Bag print "3"	**2591.0003**	381
KBH-C 10 Bag print "4"	**2591.0004**	381
KBH-C 10 Bag print "5"	**2591.0005**	381
KBH-C 10 Bag print "6"	**2591.0006**	381
KBH-C 10 Bag print "7"	**2591.0007**	381
KBH-C 10 Bag print "8"	**2591.0008**	381
KBH-C 10 Bag print "9"	**2591.0009**	381
KBH-C 10 Bag print "Earth with circuit"	**2591.0407**	381
KBH-C 10 Bag print "Earth"	**2591.0406**	381
KBH-C 20 Beutel Print "/"	**2595.0402**	381
KBH-C 20 Bag print " : "	**2595.0404**	381
KBH-C 20 Bag print " ~ "	**2595.0408**	381
KBH-C 20 Bag print "-"	**2595.0420**	381
KBH-C 20 Bag print "-" BU	**2595.0401**	381
KBH-C 20 Bag print "."	**2595.0403**	381
KBH-C 20 Bag print "+"	**2595.0419**	381
KBH-C 20 Bag print "+" RD	**2595.0400**	381
KBH-C 20 Bag print "="	**2595.0405**	381
KBH-C 20 Bag print "Earth with circuit"	**2595.0407**	381
KBH-C 20 Bag print "Earth"	**2595.0406**	381
KBH-C 20 Bag print "0"	**2595.0000**	381
KBH-C 20 Bag print "1"	**2595.0001**	381
KBH-C 20 Bag print "2"	**2595.0002**	381
KBH-C 20 Bag print "3"	**2595.0003**	381
KBH-C 20 Bag print "4"	**2595.0004**	381
KBH-C 20 Bag print "5"	**2595.0005**	381
KBH-C 20 Bag print "6"	**2595.0006**	381
KBH-C 20 Bag print "7"	**2595.0007**	381
KBH-C 20 Bag print "8"	**2595.0008**	381
KBH-C 20 Bag print "9"	**2595.0009**	381
KBH-C 30 Beutel Print "/"	**2599.0402**	381
KBH-C 30 Bag print " : "	**2599.0404**	381
KBH-C 30 Bag print " ~ "	**2599.0408**	381
KBH-C 30 Bag print "-"	**2599.0420**	381
KBH-C 30 Bag print "-" BU	**2599.0401**	381
KBH-C 30 Bag print "."	**2599.0403**	381
KBH-C 30 Bag print "+"	**2599.0419**	381
KBH-C 30 Bag print "+" RD	**2599.0400**	381
KBH-C 30 Bag print "="	**2599.0405**	381
KBH-C 30 Bag print "Earth with circuit"	**2599.0407**	381
KBH-C 30 Bag print "Earth"	**2599.0406**	381
KBH-C 30 Bag print "0"	**2599.0000**	381
KBH-C 30 Bag print "1"	**2599.0001**	381
KBH-C 30 Bag print "2"	**2599.0002**	381
KBH-C 30 Bag print "3"	**2599.0003**	381
KBH-C 30 Bag print "4"	**2599.0004**	381
KBH-C 30 Bag print "5"	**2599.0005**	381
KBH-C 30 Bag print "6"	**2599.0006**	381
KBH-C 30 Bag print "7"	**2599.0007**	381
KBH-C 30 Bag print "8"	**2599.0008**	381
KBH-C 30 Bag print "9"	**2599.0009**	381
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KBH-S 21 blank YE	**2624.0**	388
KBH-S 36 blank WH	**2533.0**	388
KBH-S 36 blank YE	**2532.0**	388
KBH-S 4 Print " ~ "	**2690.0408**	390
KBH-S 4 Print " I "	**2690.0208**	390
KBH-S 4 Print "="	**2690.0405**	390
KBH-S 4 Print "Earth with circuit"	**2690.0407**	390
KBH-S 4 Print "Earth"	**2690.0406**	390
KBH-S 4 Print " . "	**2666.0403**	390
KBH-S 4 Print " . "	**2690.0403**	390
KBH-S 4 Print " / "	**2666.0402**	390
KBH-S 4 Print " / "	**2690.0402**	390
KBH-S 4 Print " : "	**2666.0404**	390
KBH-S 4 Print " : "	**2690.0404**	390
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KBH-S 4 Print " = "	**2666.0405**	390

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KBH-S 4 Print "-"	**2666.0420**	390
KBH-S 4 Print "-" BU	**2666.0401**	390
KBH-S 4 Print "-" BU	**2690.0401**	390
KBH-S 4 Print "+"	**2690.0419**	390
KBH-S 4 Print "+"	**2666.0419**	390
KBH-S 4 Print "+" RD	**2666.0400**	390
KBH-S 4 Print "+" RD	**2690.0400**	390
KBH-S 4 Print "0"	**2666.0000**	390
KBH-S 4 Print "0"	**2690.0000**	390
KBH-S 4 Print "1"	**2666.0001**	390
KBH-S 4 Print "1"	**2690.0001**	390
KBH-S 4 Print "2"	**2666.0002**	390
KBH-S 4 Print "2"	**2690.0002**	390
KBH-S 4 Print "3"	**2666.0003**	390
KBH-S 4 Print "3"	**2690.0003**	390
KBH-S 4 Print "4"	**2666.0004**	390
KBH-S 4 Print "4"	**2690.0004**	390
KBH-S 4 Print "5"	**2666.0005**	390
KBH-S 4 Print "5"	**2690.0005**	390
KBH-S 4 Print "6"	**2666.0006**	390
KBH-S 4 Print "6"	**2690.0006**	390
KBH-S 4 Print "7"	**2666.0007**	390
KBH-S 4 Print "7"	**2690.0007**	390
KBH-S 4 Print "8"	**2666.0008**	390
KBH-S 4 Print "8"	**2690.0008**	390
KBH-S 4 Print "9"	**2666.0009**	390
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KBH-S 4 Print "A"	**2690.0200**	390
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KBH-S 4 Print "b"	**2666.0301**	390
KBH-S 4 Print "B"	**2690.0201**	390
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KBH-S 4 Print "C"	**2666.0202**	390
KBH-S 4 Print "c"	**2666.0302**	390
KBH-S 4 Print "C"	**2690.0202**	390
KBH-S 4 Print "c"	**2690.0302**	390
KBH-S 4 Print "D"	**2666.0203**	390
KBH-S 4 Print "d"	**2666.0303**	390
KBH-S 4 Print "D"	**2690.0203**	390
KBH-S 4 Print "d"	**2690.0303**	390
KBH-S 4 Print "E"	**2666.0204**	390
KBH-S 4 Print "e"	**2666.0304**	390
KBH-S 4 Print "E"	**2690.0204**	390
KBH-S 4 Print "e"	**2690.0304**	390
KBH-S 4 Print "Earth with circuit"	**2666.0407**	390
KBH-S 4 Print "Earth"	**2666.0406**	390
KBH-S 4 Print "F"	**2666.0205**	390
KBH-S 4 Print "f"	**2666.0305**	390
KBH-S 4 Print "F"	**2690.0205**	390
KBH-S 4 Print "f"	**2690.0305**	390
KBH-S 4 Print "G"	**2666.0206**	390
KBH-S 4 Print "g"	**2666.0306**	390
KBH-S 4 Print "G"	**2690.0206**	390
KBH-S 4 Print "g"	**2690.0306**	390
KBH-S 4 Print "H"	**2666.0207**	390
KBH-S 4 Print "h"	**2666.0307**	390
KBH-S 4 Print "H"	**2690.0207**	390
KBH-S 4 Print "h"	**2690.0307**	390
KBH-S 4 Print "I"	**2666.0208**	390
KBH-S 4 Print "i"	**2666.0308**	390
KBH-S 4 Print "J"	**2666.0209**	390
KBH-S 4 Print "j"	**2666.0309**	390
KBH-S 4 Print "J"	**2690.0209**	390
KBH-S 4 Print "K"	**2666.0210**	390
KBH-S 4 Print "k"	**2666.0310**	390
KBH-S 4 Print "K"	**2690.0210**	390
KBH-S 4 Print "k"	**2690.0310**	390
KBH-S 4 Print "L"	**2666.0211**	390
KBH-S 4 Print "l"	**2666.0311**	390
KBH-S 4 Print "L"	**2690.0211**	390
KBH-S 4 Print "l"	**2690.0311**	390
KBH-S 4 Print "M"	**2666.0212**	390
KBH-S 4 Print "m"	**2666.0312**	390
KBH-S 4 Print "M"	**2690.0212**	390
KBH-S 4 Print "m"	**2690.0312**	390
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KBH-S 4 Print "n"	**2666.0313**	390
KBH-S 4 Print "N"	**2690.0213**	390
KBH-S 4 Print "n"	**2690.0313**	390
KBH-S 4 Print "O"	**2666.0214**	390
KBH-S 4 Print "o"	**2666.0314**	390
KBH-S 4 Print "O"	**2690.0214**	390
KBH-S 4 Print "o"	**2690.0314**	390
KBH-S 4 Print "P"	**2666.0215**	390
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KBH-S 4 Print "P"	**2690.0215**	390

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KBH-S 4 Print "R"	**2690.0217**	390
KBH-S 4 Print "r"	**2690.0317**	390
KBH-S 4 Print "S"	**2666.0218**	390
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KBH-S 4 Print "t"	**2666.0319**	390
KBH-S 4 Print "T"	**2690.0219**	390
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KBH-S 4 Print "u"	**2666.0320**	390
KBH-S 4 Print "U"	**2690.0220**	390
KBH-S 4 Print "u"	**2690.0320**	390
KBH-S 4 Print "V"	**2666.0221**	390
KBH-S 4 Print "v"	**2666.0321**	390
KBH-S 4 Print "V"	**2690.0221**	390
KBH-S 4 Print "v"	**2690.0321**	390
KBH-S 4 Print "W"	**2666.0222**	390
KBH-S 4 Print "w"	**2666.0322**	390
KBH-S 4 Print "W"	**2690.0222**	390
KBH-S 4 Print "w"	**2690.0322**	390
KBH-S 4 Print "X"	**2666.0223**	390
KBH-S 4 Print "x"	**2666.0323**	390
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KBH-S 4 Print "Y"	**2690.0224**	390
KBH-S 4 Print "y"	**2690.0324**	390
KBH-S 4 Print "Z"	**2666.0225**	390
KBH-S 4 Print "z"	**2666.0325**	390
KBH-S 4 Print "Z"	**2690.0225**	390
KBH-S 4 Print "z"	**2690.0325**	390
KBH-S 4 blank BK	**2671.0100**	390
KBH-S 4 blank BK	**2691.0100**	390
KBH-S 4 blank BN	**2671.0101**	390
KBH-S 4 blank BN	**2691.0101**	390
KBH-S 4 blank BU	**2671.0106**	390
KBH-S 4 blank BU	**2691.0106**	390
KBH-S 4 blank GN	**2671.0105**	390
KBH-S 4 blank GN	**2691.0105**	390
KBH-S 4 blank GR	**2671.0108**	390
KBH-S 4 blank GR	**2691.0108**	390
KBH-S 4 blank OG	**2671.0103**	390
KBH-S 4 blank OG	**2691.0103**	390
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KBH-S 57 blank WH	**2626.0**	388
KBH-S 57 blank YE	**2625.0**	388
KBH-S 84 blank WH	**2565.0**	389
KBH-S 84 blank YE	**2562.0**	389
KBH-S BK Print "0"	**2527.0000**	390
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KBL 2,5-4-D BG	**1388.2**	97
KBL 2,5-4-D BU	**1388.5**	97
KBL 2,5-D BG	**1387.2**	96
KBL 2,5-D BU	**1387.5**	96
KBL 6-10/10-D BG	**1386.2**	97
KBL 6-10/10-D BU	**1386.5**	97
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2102.0007	SB 6/10 GW 7 WH	350
2102.0008	SB 6/10 GW 8 WH	350
2102.0009	SB 6/10 GW 9 WH	350
2102.0010	SB 6/10 GW 10 WH	350
2102.0011	SB 6/10 GW 11 WH	350
2102.0012	SB 6/10 GW 12 WH	350
2102.0013	SB 6/10 GW 13 WH	350
2102.0014	SB 6/10 GW 14 WH	350
2102.0015	SB 6/10 GW 15 WH	350
2102.0016	SB 6/10 GW 16 WH	350
2102.0017	SB 6/10 GW 17 WH	350
2102.0018	SB 6/10 GW 18 WH	350
2102.0019	SB 6/10 GW 19 WH	350
2102.0020	SB 6/10 GW 20 WH	350
2102.0021	SB 6/10 GW 21 WH	350
2102.0022	SB 6/10 GW 22 WH	350
2102.0023	SB 6/10 GW 23 WH	350
2102.0024	SB 6/10 GW 24 WH	350
2102.0025	SB 6/10 GW 25 WH	350
2102.0026	SB 6/10 GW 26 WH	350
2102.0027	SB 6/10 GW 27 WH	350
2102.0028	SB 6/10 GW 28 WH	350
2102.0029	SB 6/10 GW 29 WH	350
2102.0030	SB 6/10 GW 30 WH	350
2102.0031	SB 6/10 GW 31 WH	350
2102.0032	SB 6/10 GW 32 WH	350
2102.0033	SB 6/10 GW 33 WH	350
2102.0034	SB 6/10 GW 34 WH	350
2102.0035	SB 6/10 GW 35 WH	350
2102.0036	SB 6/10 GW 36 WH	350
2102.0037	SB 6/10 GW 37 WH	350
2102.0038	SB 6/10 GW 38 WH	350
2102.0039	SB 6/10 GW 39 WH	350
2102.0040	SB 6/10 GW 40 WH	350
2102.0041	SB 6/10 GW 41 WH	350
2102.0042	SB 6/10 GW 42 WH	350
2102.0043	SB 6/10 GW 43 WH	350
2102.0044	SB 6/10 GW 44 WH	350
2102.0045	SB 6/10 GW 45 WH	350
2102.0046	SB 6/10 GW 46 WH	350
2102.0047	SB 6/10 GW 47 WH	350
2102.0048	SB 6/10 GW 48 WH	350
2102.0049	SB 6/10 GW 49 WH	350
2102.0050	SB 6/10 GW 50 WH	350
2102.0051	SB 6/10 GW 51 WH	350
2102.0052	SB 6/10 GW 52 WH	350
2102.0053	SB 6/10 GW 53 WH	350
2102.0054	SB 6/10 GW 54 WH	350
2102.0055	SB 6/10 GW 55 WH	350
2102.0056	SB 6/10 GW 56 WH	350
2102.0057	SB 6/10 GW 57 WH	350
2102.0058	SB 6/10 GW 58 WH	350
2102.0059	SB 6/10 GW 59 WH	350
2102.0060	SB 6/10 GW 60 WH	350
2102.0061	SB 6/10 GW 61 WH	350
2102.0062	SB 6/10 GW 62 WH	350
2102.0063	SB 6/10 GW 63 WH	351
2102.0064	SB 6/10 GW 64 WH	351
2102.0065	SB 6/10 GW 65 WH	351
2102.0066	SB 6/10 GW 66 WH	351
2102.0067	SB 6/10 GW 67 WH	351
2102.0068	SB 6/10 GW 68 WH	351
2102.0069	SB 6/10 GW 69 WH	351
2102.0070	SB 6/10 GW 70 WH	351
2102.0071	SB 6/10 GW 71 WH	351
2102.0072	SB 6/10 GW 72 WH	351
2102.0073	SB 6/10 GW 73 WH	351
2102.0074	SB 6/10 GW 74 WH	351
2102.0075	SB 6/10 GW 75 WH	351
2102.0076	SB 6/10 GW 76 WH	351
2102.0077	SB 6/10 GW 77 WH	351
2102.0078	SB 6/10 GW 78 WH	351
2102.0079	SB 6/10 GW 79 WH	351
2102.0080	SB 6/10 GW 80 WH	351
2102.0081	SB 6/10 GW 81 WH	351
2102.0082	SB 6/10 GW 82 WH	351
2102.0083	SB 6/10 GW 83 WH	351
2102.0084	SB 6/10 GW 84 WH	351
2102.0085	SB 6/10 GW 85 WH	351
2102.0086	SB 6/10 GW 86 WH	351
2102.0087	SB 6/10 GW 87 WH	351
2102.0088	SB 6/10 GW 88 WH	351
2102.0089	SB 6/10 GW 89 WH	351
2102.0090	SB 6/10 GW 90 WH	351
2102.0091	SB 6/10 GW 91 WH	351
2102.0092	SB 6/10 GW 92 WH	351
2102.0093	SB 6/10 GW 93 WH	351
2102.0094	SB 6/10 GW 94 WH	351
2102.0095	SB 6/10 GW 95 WH	351
2102.0096	SB 6/10 GW 96 WH	351
2102.0097	SB 6/10 GW 97 WH	351
2102.0098	SB 6/10 GW 98 WH	351
2102.0099	SB 6/10 GW 99 WH	351
2102.0100	SB 6/10 GW 100 WH	351
2103.0001	SB 6/10 GS 1 WH	351
2103.0002	SB 6/10 GS 2 WH	351
2103.0003	SB 6/10 GS 3 WH	351
2103.0004	SB 6/10 GS 4 WH	351
2103.0005	SB 6/10 GS 5 WH	351
2103.0006	SB 6/10 GS 6 WH	351
2103.0007	SB 6/10 GS 7 WH	351
2103.0008	SB 6/10 GS 8 WH	351
2103.0009	SB 6/10 GS 9 WH	351
2103.0010	SB 6/10 GS 10 WH	351
2103.0011	SB 6/10 GS 11 WH	351
2103.0012	SB 6/10 GS 12 WH	351
2103.0013	SB 6/10 GS 13 WH	351
2103.0014	SB 6/10 GS 14 WH	351
2103.0015	SB 6/10 GS 15 WH	351
2103.0016	SB 6/10 GS 16 WH	351
2103.0017	SB 6/10 GS 17 WH	351
2103.0018	SB 6/10 GS 18 WH	351
2103.0019	SB 6/10 GS 19 WH	351
2103.0020	SB 6/10 GS 20 WH	351
2103.0021	SB 6/10 GS 21 WH	351
2103.0022	SB 6/10 GS 22 WH	351
2103.0023	SB 6/10 GS 23 WH	351
2103.0024	SB 6/10 GS 24 WH	351
2103.0025	SB 6/10 GS 25 WH	351
2103.0026	SB 6/10 GS 26 WH	351
2103.0027	SB 6/10 GS 27 WH	351
2103.0028	SB 6/10 GS 28 WH	351
2103.0029	SB 6/10 GS 29 WH	351
2103.0030	SB 6/10 GS 30 WH	351
2103.0031	SB 6/10 GS 31 WH	351
2103.0032	SB 6/10 GS 32 WH	351
2103.0033	SB 6/10 GS 33 WH	351
2103.0034	SB 6/10 GS 34 WH	351
2103.0035	SB 6/10 GS 35 WH	351
2103.0036	SB 6/10 GS 36 WH	351
2103.0037	SB 6/10 GS 37 WH	351
2103.0038	SB 6/10 GS 38 WH	351
2103.0039	SB 6/10 GS 39 WH	351
2103.0040	SB 6/10 GS 40 WH	351
2103.0041	SB 6/10 GS 41 WH	351
2103.0042	SB 6/10 GS 42 WH	351
2103.0043	SB 6/10 GS 43 WH	351
2103.0044	SB 6/10 GS 44 WH	351
2103.0045	SB 6/10 GS 45 WH	351
2103.0046	SB 6/10 GS 46 WH	351
2103.0047	SB 6/10 GS 47 WH	351
2103.0048	SB 6/10 GS 48 WH	351
2103.0049	SB 6/10 GS 49 WH	351
2103.0050	SB 6/10 GS 50 WH	351
2103.0051	SB 6/10 GS 51 WH	351
2103.0052	SB 6/10 GS 52 WH	351
2103.0053	SB 6/10 GS 53 WH	351
2103.0054	SB 6/10 GS 54 WH	351
2103.0055	SB 6/10 GS 55 WH	351
2103.0056	SB 6/10 GS 56 WH	351
2103.0057	SB 6/10 GS 57 WH	351
2103.0058	SB 6/10 GS 58 WH	351
2103.0059	SB 6/10 GS 59 WH	351
2103.0060	SB 6/10 GS 60 WH	351
2103.0061	SB 6/10 GS 61 WH	351
2103.0062	SB 6/10 GS 62 WH	351
2103.0063	SB 6/10 GS 63 WH	351
2103.0064	SB 6/10 GS 64 WH	351
2103.0065	SB 6/10 GS 65 WH	351
2103.0066	SB 6/10 GS 66 WH	351
2103.0067	SB 6/10 GS 67 WH	351
2103.0068	SB 6/10 GS 68 WH	351
2103.0069	SB 6/10 GS 69 WH	351
2103.0070	SB 6/10 GS 70 WH	351
2103.0071	SB 6/10 GS 71 WH	351
2103.0072	SB 6/10 GS 72 WH	351
2103.0073	SB 6/10 GS 73 WH	351
2103.0074	SB 6/10 GS 74 WH	351
2103.0075	SB 6/10 GS 75 WH	351
2103.0076	SB 6/10 GS 76 WH	351
2103.0077	SB 6/10 GS 77 WH	351
2103.0078	SB 6/10 GS 78 WH	351
2103.0079	SB 6/10 GS 79 WH	351
2103.0080	SB 6/10 GS 80 WH	351
2103.0081	SB 6/10 GS 81 WH	351
2103.0082	SB 6/10 GS 82 WH	351
2103.0083	SB 6/10 GS 83 WH	351
2103.0084	SB 6/10 GS 84 WH	351
2103.0085	SB 6/10 GS 85 WH	351
2103.0086	SB 6/10 GS 86 WH	351
2103.0087	SB 6/10 GS 87 WH	351
2103.0088	SB 6/10 GS 88 WH	351
2103.0089	SB 6/10 GS 89 WH	351
2103.0090	SB 6/10 GS 90 WH	351
2103.0091	SB 6/10 GS 91 WH	351
2103.0092	SB 6/10 GS 92 WH	351
2103.0093	SB 6/10 GS 93 WH	351
2103.0094	SB 6/10 GS 94 WH	351
2103.0095	SB 6/10 GS 95 WH	351
2103.0096	SB 6/10 GS 96 WH	351
2103.0097	SB 6/10 GS 97 WH	351
2103.0098	SB 6/10 GS 98 WH	351
2103.0099	SB 6/10 GS 99 WH	351
2103.0100	SB 6/10 GS 100 WH	351
2104.2	AP 16 BG	278
2104.3	AP 16 OG	278
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2105.2	TW 16 BG	316
2105.5	TW 16 BU	316
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2114.0	Q 4	290
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2116.2	AP 35 BG	278
2116.3	AP 35 OG	278
2116.5	AP 35 BU	278
2117.2	TW 35 BG	316
2117.5	TW 35 BU	316
2118.0	QS 2	296
2119.0	QS 3	296
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2124.0	SS M 4	297
2125.0	AQI 2/6/11 YE	292
2126.0	AQI 3/6/11 YE	292
2127.0	STB 16/4	317
2128.0	Ssch 10x3 MS	83
2129.0	Ssch 10x3 CU	83
2130.0	H 6,0/20-T GN	429
2131.0	Ssch 6x6 CU	89
2132.0	Ssch 6x6 MS	89
2133.0	H 6,0/26-T GN	429
2134.0	H 10,0/22-T BN	429
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2141.0	AQI 10/6/11 YE	292
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2142.0101	KBH 3/3 blank BN	374
2142.0102	KBH 3/3 blank RD	374
2142.0103	KBH 3/3 blank OG	374
2142.0104	KBH 3/3 blank YE	374
2142.0105	KBH 3/3 blank GN	374
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2142.0107	KBH 3/3 blank VT	374
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2146.0100	KBH 5/3 blank BK	375
2146.0101	KBH 5/3 blank BN	375
2146.0102	KBH 5/3 blank RD	375
2146.0102	KBH 5/3 blank RD	375
2146.0103	KBH 5/3 blank OG	375
2146.0104	KBH 5/3 blank YE	375
2146.0104	KBH 5/3 blank YE	375
2146.0105	KBH 5/3 blank GN	375
2146.0106	KBH 5/3 blank BU	375
2146.0107	KBH 5/3 blank VT	375
2146.0107	KBH 5/3 blank VT	375
2146.0108	KBH 5/3 blank GR	375
2146.0109	KBH 5/3 blank WH	375
2146.0109	KBH 5/3 blank WH	375
2147.2	EH 2/Z BG	274
2148.0100	KBH 10/4 blank BK	376
2148.0101	KBH 10/4 blank BN	376
2148.0102	KBH 10/4 blank RD	376
2148.0103	KBH 10/4 blank OG	376
2148.0104	KBH 10/4 blank YE	376
2148.0105	KBH 10/4 blank GN	376
2148.0106	KBH 10/4 blank BU	376
2148.0107	KBH 10/4 blank VT	376
2148.0108	KBH 10/4 blank GR	376
2148.0109	KBH 10/4 blank WH	376
2149.0001	SB 6/10 FS U;V;W;N;PE	350
2149.0002	SB 6/10 FS R;S;T,N;Earth with circuit	350
2149.0003	SB 6/10 FS L1;L2;L3;N;PE	350
2149.0004	SB 6/10 FS L1;L2;L3;N;Earth with circuit	350
2150.0	Q 0,5 m/83 poles	289
2151.0	Q 0,5 m/100 poles	288
2152.0	Q 0,5 m/100 poles	296
2153.0	Q 0,5 m/83 poles	289
2154.0	Q 0,5 m/83 poles	288
2156.0000	KBH 3/3 Print "0"	374
2156.0001	KBH 3/3 Print "1"	374
2156.0002	KBH 3/3 Print "2"	374
2156.0003	KBH 3/3 Print "3"	374
2156.0004	KBH 3/3 Print "4"	374
2156.0005	KBH 3/3 Print "5"	374
2156.0006	KBH 3/3 Print "6"	374
2156.0007	KBH 3/3 Print "7"	374
2156.0008	KBH 3/3 Print "8"	374
2156.0009	KBH 3/3 Print "9"	374
2156.0200	KBH 3/3 Print "A"	374
2156.0201	KBH 3/3 Print "B"	374
2156.0202	KBH 3/3 Print "C"	374
2156.0203	KBH 3/3 Print "D"	374
2156.0204	KBH 3/3 Print "E"	374
2156.0205	KBH 3/3 Print "F"	374
2156.0206	KBH 3/3 Print "G"	374
2156.0207	KBH 3/3 Print "H"	374
2156.0208	KBH 3/3 Print "I"	374
2156.0209	KBH 3/3 Print "J"	374
2156.0210	KBH 3/3 Print "K"	374
2156.0211	KBH 3/3 Print "L"	374
2156.0212	KBH 3/3 Print "M"	374
2156.0213	KBH 3/3 Print "N"	374
2156.0214	KBH 3/3 Print "O"	374
2156.0215	KBH 3/3 Print "P"	374
2156.0216	KBH 3/3 Print "Q"	374
2156.0217	KBH 3/3 Print "R"	374
2156.0218	KBH 3/3 Print "S"	374
2156.0219	KBH 3/3 Print "T"	374
2156.0220	KBH 3/3 Print "U"	374
2156.0221	KBH 3/3 Print "V"	374
2156.0222	KBH 3/3 Print "W"	374
2156.0223	KBH 3/3 Print "X"	374
2156.0224	KBH 3/3 Print "Y"	374
2156.0225	KBH 3/3 Print "Z"	374
2156.0300	KBH 3/3 Print "a"	374
2156.0301	KBH 3/3 Print "b"	374
2156.0302	KBH 3/3 Print "c"	374
2156.0303	KBH 3/3 Print "d"	374
2156.0304	KBH 3/3 Print "e"	374
2156.0305	KBH 3/3 Print "f"	374
2156.0306	KBH 3/3 Print "g"	374
2156.0307	KBH 3/3 Print "h"	374
2156.0308	KBH 3/3 Print "i"	374
2156.0309	KBH 3/3 Print "j"	374
2156.0310	KBH 3/3 Print "k"	374
2156.0311	KBH 3/3 Print "l" -small	374
2156.0312	KBH 3/3 Print "m"	374
2156.0313	KBH 3/3 Print "n"	374
2156.0314	KBH 3/3 Print "o"	374
2156.0315	KBH 3/3 Print "p"	374
2156.0316	KBH 3/3 Print "q"	374
2156.0317	KBH 3/3 Print "r"	374
2156.0318	KBH 3/3 Print "s"	374
2156.0319	KBH 3/3 Print "t"	374
2156.0320	KBH 3/3 Print "u"	374
2156.0321	KBH 3/3 Print "v"	374
2156.0322	KBH 3/3 Print "w"	374
2156.0323	KBH 3/3 Print "x"	374
2156.0324	KBH 3/3 Print "y"	374
2156.0325	KBH 3/3 Print "z"	374
2156.0400	KBH 3/3 Print "+" RD	374
2156.0401	KBH 3/3 Print "-" BU	374
2156.0402	KBH 3/3 Print " / "	374
2156.0403	KBH 3/3 Print " . "	374
2156.0404	KBH 3/3 Print " : "	374
2156.0405	KBH 3/3 Print " = "	374
2156.0406	KBH 3/3 Print "Earth"	374
2156.0407	KBH 3/3 Print "Earth with circuit"	374
2156.0408	KBH 3/3 Print " ~ "	374
2156.0419	KBH 3/3 Print "+"	374
2156.0420	KBH 3/3 Print "-"	374
2157.0001	SB 6/10 GW A WH	351
2157.0002	SB 6/10 GW B WH	351
2157.0003	SB 6/10 GW C WH	351
2157.0004	SB 6/10 GW D WH	351
2157.0005	SB 6/10 GW E WH	351
2157.0006	SB 6/10 GW F WH	351
2157.0007	SB 6/10 GW G WH	351
2157.0008	SB 6/10 GW H WH	351
2157.0009	SB 6/10 GW I WH	351
2157.0010	SB 6/10 GW J WH	351
2157.0011	SB 6/10 GW K WH	351
2157.0012	SB 6/10 GW L WH	351
2157.0013	SB 6/10 GW M WH	351
2157.0014	SB 6/10 GW N WH	351
2157.0015	SB 6/10 GW O WH	351
2157.0016	SB 6/10 GW P WH	351
2157.0017	SB 6/10 GW Q WH	351
2157.0018	SB 6/10 GW R WH	351
2157.0019	SB 6/10 GW S WH	351
2157.0020	SB 6/10 GW T WH	351
2157.0021	SB 6/10 GW U WH	351
2157.0022	SB 6/10 GW V WH	351
2157.0023	SB 6/10 GW W WH	351
2157.0024	SB 6/10 GW X WH	351
2157.0025	SB 6/10 GW Y WH	351
2157.0026	SB 6/10 GW Z WH	351
2157.0027	SB 6/10 GW PE WH	351
2157.0028	SB 6/10 GW PEN WH	351
2157.0029	SB 6/10 GW MP WH	351
2157.0030	SB 6/10 GW SL WH	351
2157.0031	SB 6/10 GW T1 WH	351
2157.0032	SB 6/10 GW T2 WH	351
2157.0033	SB 6/10 GW T3 WH	351
2158.2	BKA 4/1 BG	95
2158.5	BKA 4/1 BU	95
2159.2	AP 4 800 V BG	278
2160.0000	KBH 5/3 Print "0"	375
2160.0001	KBH 5/3 Print "1"	375
2160.0002	KBH 5/3 Print "2"	375
2160.0003	KBH 5/3 Print "3"	375
2160.0004	KBH 5/3 Print "4"	375
2160.0005	KBH 5/3 Print "5"	375
2160.0006	KBH 5/3 Print "6"	375
2160.0007	KBH 5/3 Print "7"	375
2160.0008	KBH 5/3 Print "8"	375
2160.0009	KBH 5/3 Print "9"	375
2160.0200	KBH 5/3 Print "A"	375
2160.0201	KBH 5/3 Print "B"	375
2160.0202	KBH 5/3 Print "C"	375
2160.0203	KBH 5/3 Print "D"	375
2160.0204	KBH 5/3 Print "E"	375
2160.0205	KBH 5/3 Print "F"	375
2160.0206	KBH 5/3 Print "G"	375
2160.0207	KBH 5/3 Print "H"	375
2160.0208	KBH 5/3 Print "I"	375
2160.0209	KBH 5/3 Print "J"	375
2160.0210	KBH 5/3 Print "K"	375
2160.0211	KBH 5/3 Print "L"	375
2160.0212	KBH 5/3 Print "M"	375
2160.0213	KBH 5/3 Print "N"	375
2160.0214	KBH 5/3 Print "O"	375
2160.0215	KBH 5/3 Print "P"	375
2160.0216	KBH 5/3 Print "Q"	375
2160.0217	KBH 5/3 Print "R"	375
2160.0218	KBH 5/3 Print "S"	375
2160.0219	KBH 5/3 Print "T"	375
2160.0220	KBH 5/3 Print "U"	375
2160.0221	KBH 5/3 Print "V"	375
2160.0222	KBH 5/3 Print "W"	375
2160.0223	KBH 5/3 Print "X"	375
2160.0224	KBH 5/3 Print "Y"	375
2160.0225	KBH 5/3 Print "Z"	375
2160.0300	KBH 5/3 Print "a"	375
2160.0301	KBH 5/3 Print "b"	375
2160.0302	KBH 5/3 Print "c"	375
2160.0303	KBH 5/3 Print "d"	375
2160.0304	KBH 5/3 Print "e"	375
2160.0305	KBH 5/3 Print "f"	375
2160.0306	KBH 5/3 Print "g"	375
2160.0307	KBH 5/3 Print "h"	375
2160.0308	KBH 5/3 Print "i"	375
2160.0309	KBH 5/3 Print "j"	375
2160.0310	KBH 5/3 Print "k"	375
2160.0311	KBH 5/3 Print "l"	375
2160.0312	KBH 5/3 Print "m"	375
2160.0313	KBH 5/3 Print "n"	375
2160.0314	KBH 5/3 Print "o"	375
2160.0315	KBH 5/3 Print "p"	375
2160.0316	KBH 5/3 Print "q"	375
2160.0317	KBH 5/3 Print "r"	375
2160.0318	KBH 5/3 Print "s"	375
2160.0319	KBH 5/3 Print "t"	375
2160.0320	KBH 5/3 Print "u"	375
2160.0321	KBH 5/3 Print "v"	375
2160.0322	KBH 5/3 Print "w"	375
2160.0323	KBH 5/3 Print "x"	375
2160.0324	KBH 5/3 Print "y"	375
2160.0325	KBH 5/3 Print "z"	375
2160.0400	KBH 5/3 Print "+" RD	375
2160.0401	KBH 5/3 Print "-" BU	375
2160.0402	KBH 5/3 Print " / "	375
2160.0403	KBH 5/3 Print " . "	375
2160.0404	KBH 5/3 Print " : "	375
2160.0405	KBH 5/3 Print " = "	375
2160.0406	KBH 5/3 Print "Earth"	375
2160.0407	KBH 5/3 Print "Earth with circuit"	375
2160.0408	KBH 5/3 Print " ~ "	375
2160.0419	KBH 5/3 Print "+"	375
2160.0420	KBH 5/3 Print "-"	375
2161.0001	SB 6/10 GS A WH	351
2161.0002	SB 6/10 GS B WH	351
2161.0003	SB 6/10 GS C WH	351
2161.0004	SB 6/10 GS D WH	351
2161.0005	SB 6/10 GS E WH	351
2161.0006	SB 6/10 GS F WH	351
2161.0007	SB 6/10 GS G WH	351
2161.0008	SB 6/10 GS H WH	351
2161.0009	SB 6/10 GS I WH	351
2161.0010	SB 6/10 GS J WH	351
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