



VENTILATION AND ACCESSORIES FOR ELECTRIC ENCLOSURES

electric

PROFILE

ALFA ELECTRIC is a division of Alfa Plastic, specialized in manufacturing accessories for electric enclosures, in particular Thermal Management Products.

Since the early Nineties, ALFA ELECTRIC has been gaining recognition and developing and introducing new products. Currently, the range of products allows the full coverage of customer needs.

Careful attention to customer needs, highly qualified technical staff and a vertical, flexible organization have allowed the company to become partner of important manufacturing and commercial firms.

Advanced manufacturing equipment and careful quality controls during development and manufacturing allow to offer cost-effective and high quality products.

ALFA ELECTRIC policy is to offer a full support to Clients:

- pre-after sales assistance
- customized products
- fast delivery
- monitoring of customers' satisfaction



Rather than a supplier, ALFA ELECTRIC aims to be a Client's industrial PARTNER!

COMPANY HISTORY 1973 - Alfa Plastic starts as a thermoplastic processing industry, specialised in injection-moulding. During this thirty-year period, Alfa Plastic develops an extensive know-how in design and manufacturing of plastic injection-moulded parts. The focus is on customised parts for the automotive and electric industry

1993 - ALFA ELECTRIC is established as a division of Alfa Plastic specialised in manufacturing accessories for electric enclosures.

2000 - The intense development of ALFA ELECTRIC leads to the expansion of the production facilities. A new manufacturing plant is acquired and exclusively devoted to the assembly of electrical products.

Since then, new products have been deployed and international and domestic sales expanded.

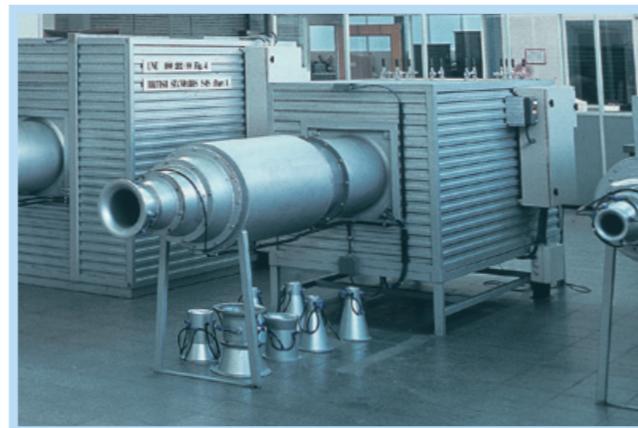


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VENTILATION



Filter Fans

High performance and fast mounting

Modern design

A positive visual impact is given by the up-to-date design of the grills and the minimal external projection. All moulded parts are made of highly resistant and self-extinguishing ABS, UL94 VO grade. The standard color is RAL 7032. RAL 7035 is also available. On request and for substantial quantities, non standard colors are also available.

Fast installation

Installation is fast thanks to the simple square cut-out on the enclosure panel and to the snap-in fixing system. No screws are needed. The snap-in fixing system can be used on panels with thickness in the range 1.2 - 2.4 mm. For different thickness, fixing can still be done with the screw kit included in each pack for this purpose.

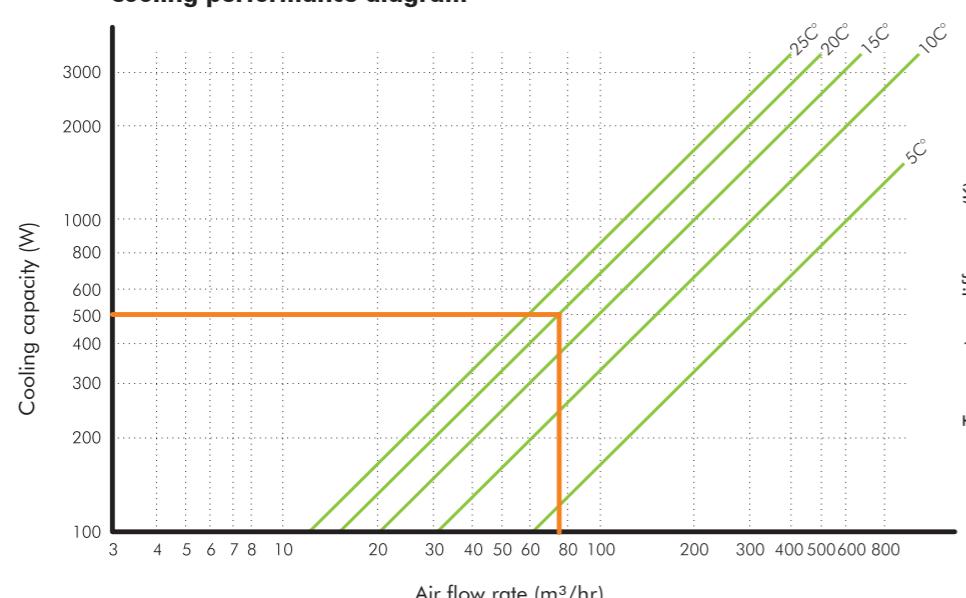
Wide range of air flow ratings

The range of air flow ratings goes from 24 to 630 m³/h. For all filter fans, default air flow direction is from the outside towards the inside of the enclosure. If needed the user can easily reverse the direction by simply re-assembling the fan in the opposite way (only on specified models).

No interference outside the enclosure

5 mm is the maximum projection outside the enclosure. This means no problems during transportation and enclosure operational life, typical instead of the bigger and cumbersome traditional units.

Cooling performance diagram



Example:

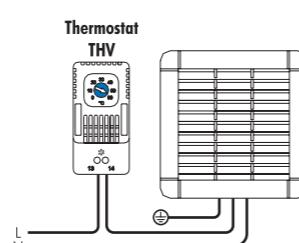
Waste heat to be removed 500W

Temperature difference 20K

Air flow required 78m³/hr

Filter fan unit solution:
n. 1 ALFA2300BP
+
n. 1 ALFA2000BP

When selecting a Filter Fan unit, always keep a margin of at least 10% to compensate for any air flow decay due to filter mat clogging.



VENTILATION



Filter fans
24 m³/hr

ALFAA5



Features	Unit	ALFAA000BP	ALFAA500BP	ALFAA510BP	ALFAA512BP	ALFAA524BP
Air flow rate (free blow)	m ³ /h	-	24(28)		24	
Flow rate with exit filter	m ³ /h	-	14(17)		14	
Power supply	V/Hz	-	230/50-60	115/50-60	12DC	24DC
Dimensions HxWxD	mm	114x114x17	114x114x57		114x114x45	
Power consumption	W	-	13(12)	3	4	
Current consumption	A	-	0.10(0.08)	0.14(0.12)	0.25	0.16
Overcurrent protection	-	-			impedance	
Electric connection	-	-	faston 2.8x0.5 mm	2-pole terminal 1.5 mm ²		
Duty cycle	-	-			100%	
Operating temperature	°C	-			-10/+70	
Protection degree/class	-	IP54			IP54/Class I	
Noise level	dB(A)	-	30(35)		35	
Flow direction	-	-		outside-in		
Bearing	-	-		ball		
Filter mat (Eurovent)	-				EU2	
Service life (at 40°C)	hr	-			50,000	
Material	-				ABS UL94V-0 Color RAL7032	
Wall thickness	mm				1.2-2.4	
Gasket	-				self-adhesive	
Weight (with packaging)	kg	0.06(0.10)	0.38(0.43)		0.18(0.23)	
Package dimensions	mm	120x120x20			120x120x60	
Mounting	-				Fast Clip-on	
Conformity/Approvals	-				CE	

Versions

UL c ^{FM} us File n. E301228	ALFAA000BPU	ALFAA500BPU	ALFAA510BPU	ALFAA512BPU	ALFAA524BPU
RAL7035 - Code ending				B	
EMC - Code ending				M	
Reverse flow - Code ending	-			PR	

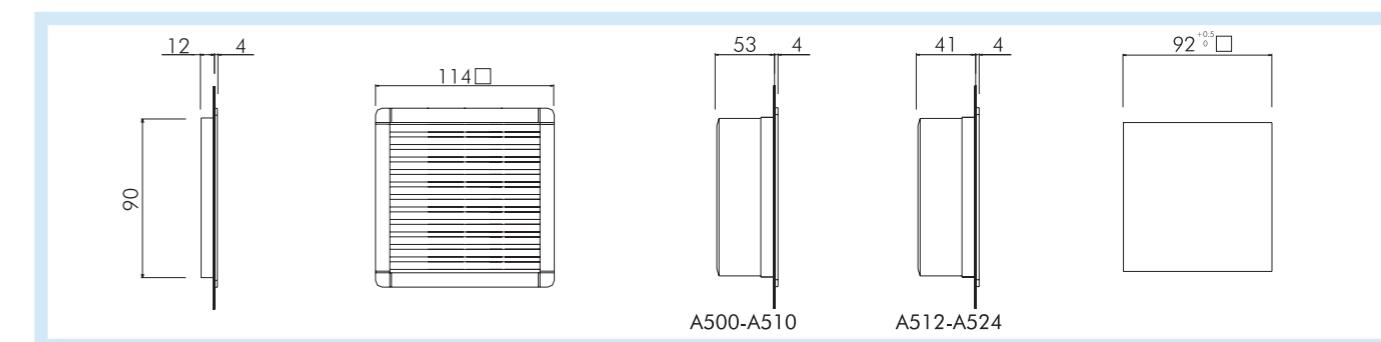
Accessories

Filter mat, standard type	ALFAFBP00
Filter mat, high efficiency	ALFAFBPOOX
Thermostat, NO contact	THV02



TIP

If possible it is better to use the units with the air flow from the outside to the enclosure inside. The slight pressurization of the panel prevents dust from getting through any openings.



VENTILATION



Filter fans
55 m³/hr

ALFA15 - ALFA16



Features	Unit	ALFA1000BP	ALFA1600BP	ALFA1610BP	ALFA1524BPT	ALFA1548BPT
Air flow rate (free blow)	m ³ /h	-	55(60)	55		
Flow rate with exit filter	m ³ /h	-	40(45)	40		
Power supply	V/Hz	-	230/50-60	115/50-60	24DC	48DC
Dimensions HxWxD	mm	150x150x28		150x150x77		
Power consumption	W	-	22(21)	9	13	
Current consumption	A	-	0.14(0.12)	0.26(0.24)	0.37	0.27
Overcurrent protection	-	-		impedance		
Electric connection	-	-	faston 2.8x0.5 mm	2-pole terminal 1.5 mm ²		
Duty cycle	-	-		100%		
Operating temperature	°C	-		-10/+70		
Protection degree/class	-	IP54		IP54/Class I		
Noise level	dB(A)	-	43(49)	45		
Flow direction	-	-		outside-in		
Bearing	-	-		ball		
Filter mat (Eurovent)	-			EU3		
Service life (at 40°C)	hr	-		50,000		
Material	-			ABS UL94V-0 Color RAL7032		
Wall thickness	mm			1.2-2.4		
Gasket	-			self-adhesive		
Weight (with packaging)	kg	0.16(0.21)	0.78(0.85)	0.47(0.54)		
Package dimensions	mm	165x165x45		165x165x85		
Mounting	-			Fast Clip-on		
Conformity/Approvals	-			CE		

Versions

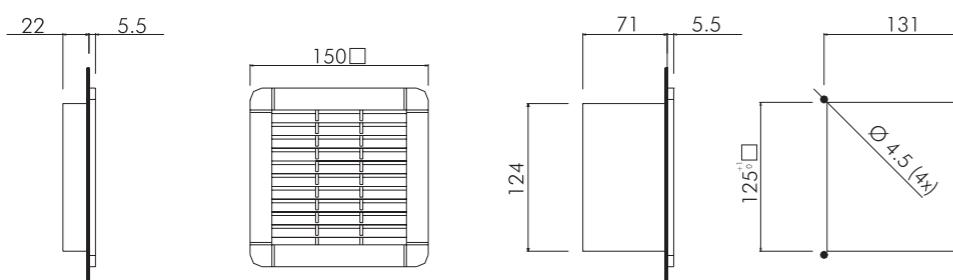
UL cULus File n. E301228	ALFA1000BPU	ALFA1600BPU	ALFA1610BPU	ALFA1524BPTU	ALFA1548BPTU
RAL7035 - Code ending			B		
EMC - Code ending			M		
Reverse flow - Code ending	-		PR		

Accessories

Filter mat, standard type	ALFAFBP10
Filter mat, high efficiency	ALFAFBP10X
Thermostat, NO contact	THV02
Power cord 1m	SPINOTTOA2-10

TIP

If you are using the high filtering capacity filter mat remember that air flow rate will decrease.



Filter fans
55 m³/hr

VENTILATION



Filter fans
100 m³/hr

ALFAB5



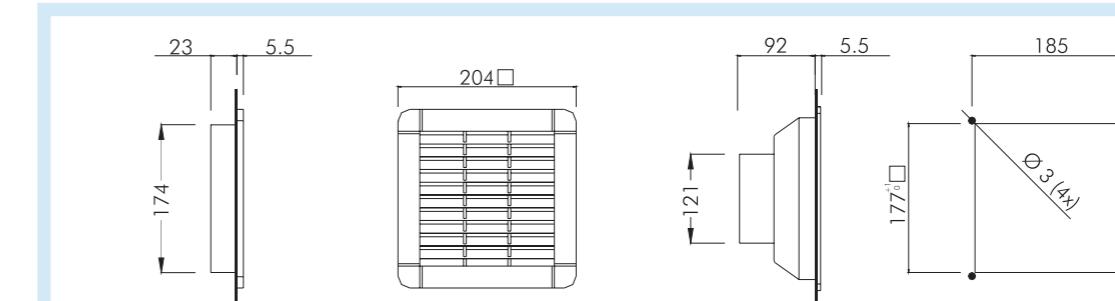
Features	Unit	ALFAB000BP	ALFAB500BP	ALFAB510BP	ALFAB524BPT	ALFAB548BPT
Air flow rate (free blow)	m ³ /h	-	100(110)	100		
Flow rate with exit filter	m ³ /h	-	75(90)	75		
Power supply	V/Hz	-	230/50-60	115/50-60	24DC	48DC
Dimensions HxWxD	mm	204x204x30		204x204x98		
Power consumption	W	-	22(21)	9	13	
Current consumption	A	-	0.14(0.12)	0.26(0.24)	0.37	0.27
Overcurrent protection	-	-		impedance		
Electric connection	-	-	faston 2.8x0.5 mm	2-pole terminal 1.5 mm ²		
Duty cycle	-	-		100%		
Operating temperature	°C	-		-10/+70		
Protection degree/class	-	IP54		IP54/Class I		
Noise level	dB(A)	-	43(49)	45		
Flow direction	-	-		outside-in		
Bearing	-	-		ball		
Filter mat (Eurovent)	-			EU3		
Service life (at 40°C)	hr	-		50,000		
Material	-			ABS UL94V-0 Color RAL7032		
Wall thickness	mm			1.2-2.4		
Gasket	-			self-adhesive		
Weight (with packaging)	kg	0.26(0.36)	1.00(1.20)	0.70(0.90)		
Package dimensions	mm	280x260x40		270x270x130		
Mounting	-			Fast Clip-on		
Conformity/Approvals	-			CE		

Versions

UL cULus File n. E301228	ALFAB000BPU	ALFAB500BPU	ALFAB510BPU	ALFAB524BPTU	ALFAB548BPTU
RAL7035 - Code ending			B		
EMC - Code ending			M		
Reverse flow - Code ending	-		PR		

Accessories

Filter mat, standard type	ALFAFBP0
Filter mat, high efficiency	ALFAFBPBOX
Thermostat, NO contact	THV02
Power cord 1m	SPINOTTOA2-10



VENTILATION



Filter fans
110 m³/hr

ALFAB6



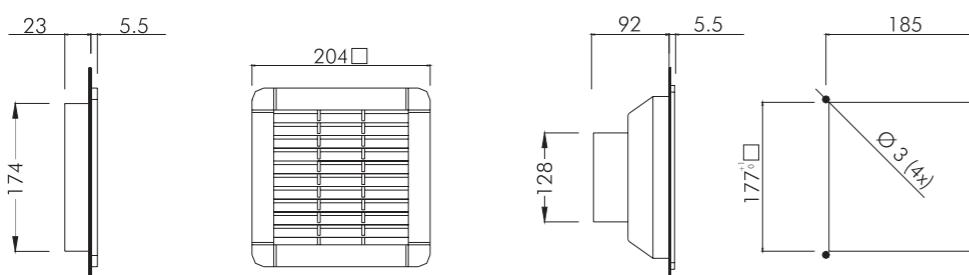
Features	Unit	ALFAB000BP	ALFAB600BP	ALFAB610BP	ALFAB624BPT	ALFAB648BPT
Air flow rate (free blow)	m ³ /h	-	110(120)		110	
Flow rate with exit filter	m ³ /h	-	80(95)		80	
Power supply	V/Hz	-	230/50-60	115/50-60	24DC	48DC
Dimensions HxWxD	mm	204x204x30		204x204x98		
Power consumption	W	-	24(23)	9	13	
Current consumption	A	-	0.15(0.13)	0.30(0.26)	0.37	0.27
Overcurrent protection	-	-		impedance		
Electric connection	-	-	faston 2.8x0.5 mm	2-pole terminal 1.5 mm ²		
Duty cycle	-	-		100%		
Operating temperature	°C	-		-10/+70		
Protection degree/class	-	IP54		IP54/Class I		
Noise level	dB(A)	-	43(49)		45	
Flow direction	-	-		outside-in		
Bearing	-	-		ball		
Filter mat (Eurovent)	-			EU3		
Service life (at 40°C)	hr	-		50,000		
Material	-			ABS UL94V-0 Color RAL7032		
Wall thickness	mm			1.2-2.4		
Gasket	-			self-adhesive		
Weight (with packaging)	kg	0.26(0.36)		0.95(1.15)		0.65(0.85)
Package dimensions	mm	280x260x40		270x270x130		
Mounting	-			Fast Clip-on		
Conformity/Approvals	-			CE		

Versions

UL cULus File n. E301228	ALFAB000BPU	ALFAB600BPU	ALFAB610BPU	-	-
RAL7035 - Code ending			B		
EMC - Code ending			M		
Reverse flow - Code ending	-		PR		

Accessories

Filter mat, standard type	ALFAFBP0
Filter mat, high efficiency	ALFAFBP0X
Thermostat 0-60°C, N. Open	THV02
Power cord 1m	SPINOTTOA2-10



VENTILATION



Filter fans
105 m³/hr

ALFA23



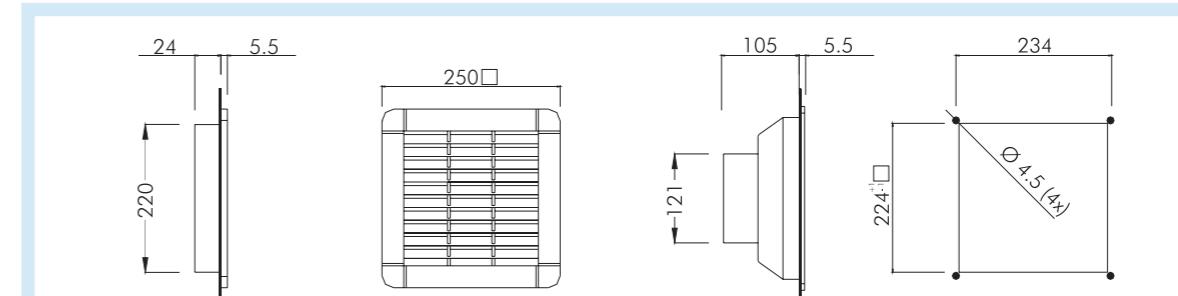
Features	Unit	ALFA2000BP	ALFA2300BP	ALFA2310BP	ALFA2324BPT	ALFA2348BPT
Air flow rate (free blow)	m ³ /h	-	105(120)		105	
Flow rate with exit filter	m ³ /h	-	80(95)		80	
Power supply	V/Hz	-	230/50-60	115/50-60	24DC	48DC
Dimensions HxWxD	mm	250x250x30		250x250x111		
Power consumption	W	-	22(21)	9	13	
Current consumption	A	-	0.14(0.12)	0.26(0.24)	0.37	0.27
Overcurrent protection	-	-	impedance			
Electric connection	-	-	faston 2.8x0.5 mm	2-pole terminal 1.5 mm ²		
Duty cycle	-	-		100%		
Operating temperature	°C	-		-10/+70		
Protection degree/class	-	IP54		IP54/Class I		
Noise level	dB(A)	-	43(49)		45	
Flow direction	-	-		outside-in		
Bearing	-	-		ball		
Filter mat (Eurovent)	-			EU3		
Service life (at 40°C)	hr	-		50,000		
Material	-			ABS UL94V-0 Color RAL7032		
Wall thickness	mm			1.2-2.4		
Gasket	-			self-adhesive		
Weight (with packaging)	kg	0.42(0.52)		1.20(1.40)		0.90(1.10)
Package dimensions	mm	280x260x40		270x270x130		
Mounting	-			Fast Clip-on		
Conformity/Approvals	-			CE		

Versions

UL cULus File n. E301228	ALFA2000BPU	ALFA2300BPU	ALFA2310BPU	ALFA2324BPTU	ALFA2348BPTU
RAL7035 - Code ending			B		
EMC - Code ending			M		
Reverse flow - Code ending	-		PR		

Accessories

Filter mat, standard type	ALFAFBP20
Filter mat, high efficiency	ALFAFBP20X
Thermostat 0-60°C, N. Open	THV02
Power cord 1m	SPINOTTOA2-10



TIP

DC powered filter fan units can be the best way to prevent EMC interference to monitors and other sensitive equipment inside the enclosure.

VENTILATION



Filter fans
120 m³/hr

ALFA24



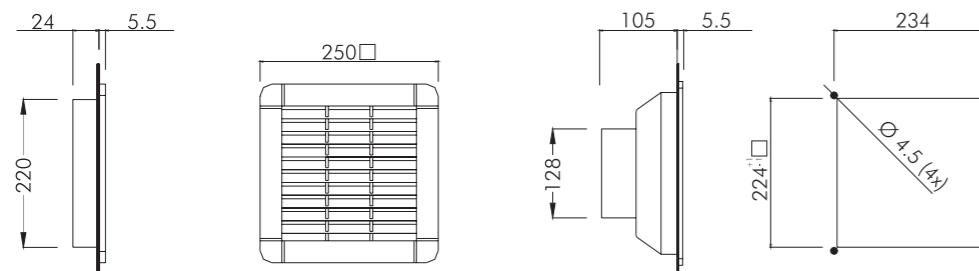
Features	Unit	ALFA2000BP	ALFA2400BP	ALFA2410BP	ALFA2424BPT	ALFA2448BPT
Air flow rate (free blow)	m ³ /h	-	120(130)		120	
Flow rate with exit filter	m ³ /h	-	95(105)		95	
Power supply	V/Hz	-	230/50-60	115/50-60	24DC	48DC
Dimensions HxWxD	mm	250x250x30		250x250x111		
Power consumption	W	-	24(23)	9	13	
Current consumption	A	-	0.15(0.13)	0.30(0.26)	0.37	0.27
Overcurrent protection	-	-		impedance		
Electric connection	-	-	faston 2.8x0.5 mm	2-pole terminal 1.5 mm ²		
Duty cycle	-	-		100%		
Operating temperature	°C	-		-10/+70		
Protection degree/class	-	IP54		IP54/Class I		
Noise level	dB(A)	-	43(49)		45	
Flow direction	-	-		outside-in		
Bearing	-	-		ball		
Filter mat (Eurovent)	-			EU3		
Service life (at 40°C)	hr	-		50,000		
Material	-			ABS UL94V-0 Color RAL7032		
Wall thickness	mm			1.2-2.4		
Gasket	-			self-adhesive		
Weight (with packaging)	kg	0.42(0.52)		1.25(1.45)		0.95(1.15)
Package dimensions	mm	280x260x40		270x270x130		
Mounting	-			Fast Clip-on		
Conformity/Approvals	-			CE		

Versions

UL cULus File n. E301228	ALFA2000BPU	ALFA2400BPU	ALFA2410BPU	-	-
RAL7035 - Code ending			B		
EMC - Code ending			M		
Reverse flow - Code ending	-		PR		

Accessories

Filter mat, standard type	ALFAFBP20
Filter mat, high efficiency	ALFAFBP20X
Thermostat 0-60°C, N. Open	THV02
Power cord 1m	SPINOTTOA2-10



Filter fans
120 m³/hr

VENTILATION



ALFA25 - ALFA26



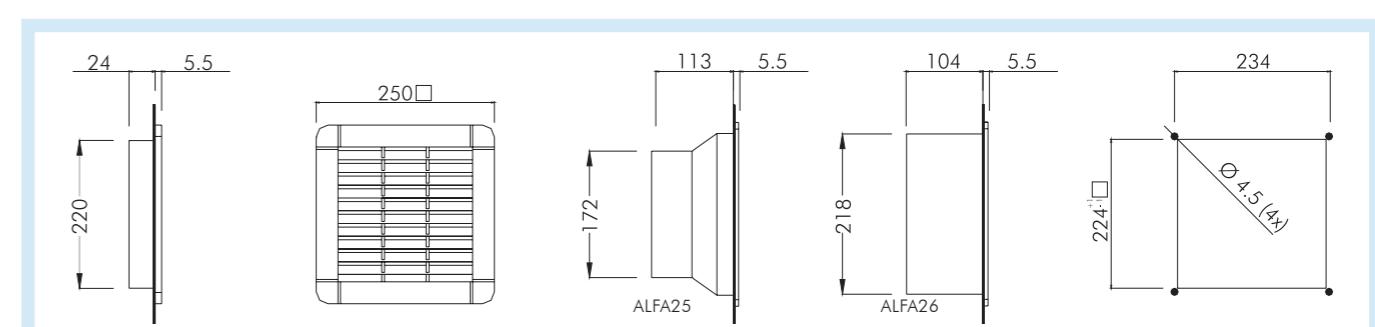
Features	Unit	ALFA2000BP	ALFA2500BP	ALFA2510BP	ALFA2524BPT	ALFA2548BPT	ALFA2600BP	ALFA2610BP	ALFA2640BP
Air flow rate (free blow)	m ³ /h	-	230(260)		230		370(400)		
Flow rate with exit filter	m ³ /h	-	180(210)		180		250(270)		
Power supply	V/Hz	-	230/50-60	115/50-60	24DC	48DC	230/50-60	115/50-60	400/50-60
Dimensions HxWxD	mm	250x250x30		250x250x119			250x250x110		
Power consumption	W	-	40(38)	26	33		70(90)	60(70)	
Current consumption	A	-	0.17(0.16)	0.34(0.32)	1.08	0.68	0.40(0.38)	0.80(0.76)	0.18(0.15)
Overcurrent protection	-	-	thermal	impedance			thermal		
Electric connection	-	-		3-pole terminal 2.5 mm ²			4-pole terminal 1.5 mm ²		
Duty cycle	-	-		100%					
Operating temperature	°C	-		-10/+70					
Protection degree/class	-	IP54			IP54/Class I				
Noise level	dB(A)	-	53(58)		61		65(68)		
Flow direction	-	-		outside-in					
Bearing	-	-		ball					
Filter mat (Eurovent)	-			EU3					
Service life (at 40°C)	hr	-		50,000					
Material	-			ABS UL94V-0 Color RAL7032					
Wall thickness	mm			1.2-2.4					
Gasket	-			self-adhesive					
Weight (with packaging)	kg	0.42(0.52)		1.60(1.80)		1.20(1.40)		2.50(2.70)	
Package dimensions	mm	280x260x40		270x270x130					
Mounting	-			Fast Clip-on					
Conformity/Approvals	-			CE					

Versions

UL cULus File n. E301228	ALFA2000BPU	ALFA2500BPU	ALFA2510BPU	ALFA2524BPTU	ALFA2548BPTU	ALFA2600BPU	ALFA2610BPU	-
RAL7035 - Code ending			B					
EMC - Code ending			M					
Reverse flow - Code ending	-		PR					

Accessories

Filter mat, standard type	ALFAFBP20
Filter mat, high efficiency	ALFAFBP20X
Thermostat 0-60°C, N. Open	THV02
Power cord 1m	SPINOTTOA2-10



Filter fans
230-370 m³/hr

VENTILATION



Filter fans
500-630 m³/hr

ALFA35 - ALFA36



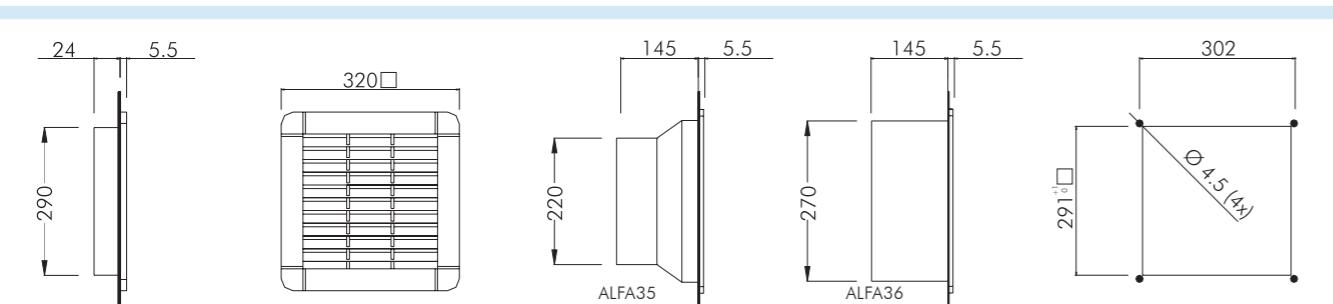
Features	Unit	ALFA3000BP	ALFA3500BP	ALFA3510BP	ALFA3540BP	ALFA3600BP	ALFA3610BP
Air flow rate (free blow)	m ³ /h	-	500(570)	370(410)	400/50-60	630(700)	470(520)
Flow rate with exit filter	m ³ /h	-	370(410)	400/50-60	230/50-60	115/50-60	115/50-60
Power supply	V/Hz	-	230/50-60	115/50-60	400/50-60	230/50-60	115/50-60
Dimensions HxWxD	mm	325x325x30		325x325x151			
Power consumption	W	-	70(90)	60(70)	130(180)		
Current consumption	A	-	0.40(0.38)	0.80(0.76)	0.18(0.15)	0.55(0.81)	1.10(1.62)
Overcurrent protection	-	-			thermal		
Electric connection	-	-	3-pole terminal 2.5 mm ²	4-pole terminal 1.5 mm ²			
Duty cycle	-	-		100%			
Operating temperature	°C	-		-10/+70			
Protection degree/class	-	IP54		IP54/Class I			
Noise level	dB(A)	-	65(68)	72(73)			
Flow direction	-	-	outside-in				
Bearing	-	-	ball				
Filter mat (Eurovent)	-		EU3				
Service life (at 40°C)	hr	-	50,000				
Material	-		ABS UL94V-0 Color RAL7032				
Wall thickness	mm		1.2-2.4				
Gasket	-		self-adhesive				
Weight (with packaging)	kg	0.64(0.78)	3.00(3.25)		3.65(3.90)		
Package dimensions	mm	340x330x45		330x330x155			
Mounting	-		Fast Clip-on				
Conformity/Approvals	-		CE				

Versions

UL cULus File n. E301228	ALFA3000BPU	ALFA3500BPU	ALFA3510BPU	-	-	-
RAL7035 - Code ending				8		
EMC - Code ending				M		
Reverse flow - Code ending	-			PR		

Accessories

Filter mat, standard type	ALFAFBP30
Filter mat, high efficiency	ALFAFBP30X
Thermostat 0-60°C, N. Open	THV02

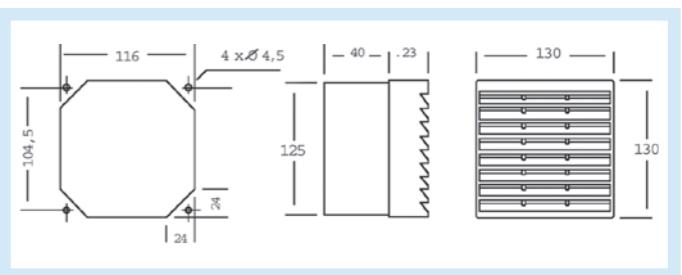


VENTILATION

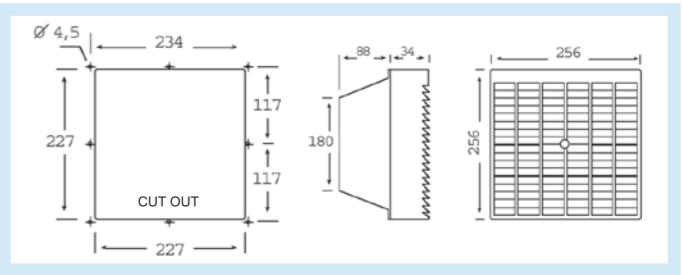


Filter fans
"high-thickness"

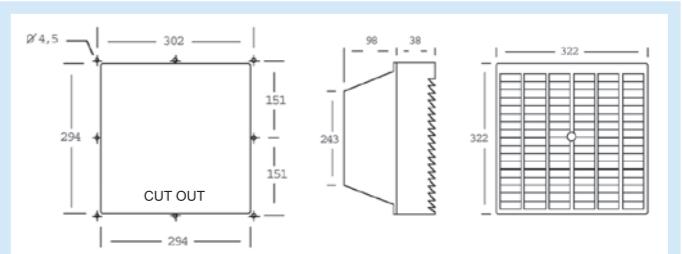
ALFA 1000 series



ALFA 2000 series



ALFA 3000 series



Model	Description	Voltage (V)	Frequency (Hz)	Power (W)	Absorbed current (A)	Noise level dB (A)	Filter fan air volume free blowing m ³ /h	Filter fan air volume with exit filter **m ³ /h
ALFA 1000 AP	Filter 130x130							
ALFA 1524 APT	Filter fan 130x130	24 DC		9	0.37	47	55	40
ALFA 1548 APT	Filter fan 130x130	48 DC		13	0.27	47	55	40
ALFA 1600 AP	Filter fan 130x130	230	50/60	19/18	0.14/0.12	46/50	55/60	40/45
ALFA 1610 AP	Filter fan 130x130	115	50/60	19/18	0.25/0.19	46/50	55/60	40/45
ALFA 2000 AP	Filter 256x256							
ALFA 2324 APT	Filter fan 256x256	24 DC		9	0.37	47	105	80
ALFA 2348 APT	Filter fan 256x256	48DC		13	0.27	47	105	80
ALFA 2400 AP	Filter fan 256x256	230	50/60	19/18	0.14/0.12	47/53	120/130	95/105
ALFA 2410 AP	Filter fan 256x256	115	50/60	19/18	0.25/0.19	47/53	120/130	95/105
ALFA 2500 AP	Filter fan 256x256	230	50/60	40/38	0.30/0.27	56/58	230/260	175/200
ALFA 2510 AP	Filter fan 256x256	115	50/60	40/38	0.60/0.55	56/58	230/260	175/200
ALFA 2524 APT	Filter fan 256x256	24 DC		22	1.08	56	230	175
ALFA 2548 APT	Filter fan 256x256	48 DC		33	0.68	56	230	175
ALFA 3000 AP	Filter 325x325							
ALFA 3500 AP	Filter fan 325x325	230	50/60	70/90	0.40/0.38	65/68	480/530	350/380
ALFA 3510 AP	Filter fan 325x325	115	50/60	70/90	0.80/0.76	65/68	480/530	350/380
ALFA 3540 AP	Filter fan 325x325	400-3	50/60	60/70	0.18/0.15	65/68	500/550	350/380

**Jointed on exit filter of equal dimension

TECHNICAL FEATURES: products comply with directives 73/23/EEC and 89/336/EEC; ball bearing axial fans marked CE (some models available with UL and CSA approval); plastic material self-extinguish ABS V0 RAL 7032/7035 black on request; high efficiency dust filters made of self-extinguish acrilic fibre; protection degree IP54.

VENTILATION



Roof fans
600-1000 m³/hr

ALFATORR
ROOF FAN AND VENT



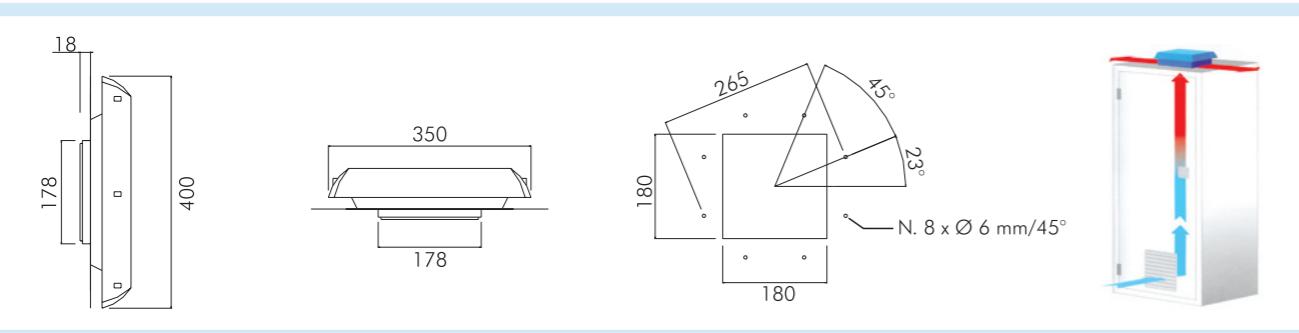
Features	Unit	ALFATORR	ALFATORR0600	ALFATORR0610	ALFATORR0860	ALFATORR0861	ALFATORR1000	ALFATORR1010
Air flow rate (free blow)	m ³ /h	-	600(625)		860(950)		1,000(1,050)	
Flow rate with inlet filter	m ³ /h	-		430(450)		580(640)		700(720)
Power supply	V/Hz	-	230/50-60	115/50-60	230/50-60	115/50-60	230/50-60	115/50-60
Dimensions HxWxD	mm	400x350x102			400x350x102			
Power consumption	W	-	70(90)		85(115)		120(170)	
Current consumption	A	-	0.32(0.40)	0.64(0.80)	0.43(0.50)	0.86(1.00)	0.50(0.75)	1.00(1.50)
Overcurrent protection	-	-			thermal		thermal	
Electric connection	-	-			4-pole terminal 2.5 mm ²			
Duty cycle	-	-			100%			
Operating temperature	°C	-			-10/+70			
Protection degree enclosure side	-				IP44			
Protection class	-	-			Class I			
Noise level	dB(A)	-	64(65)			72(73)		
Flow direction	-	-			inside-out			
Bearing	-	-			ball			
Service life (at 40°C)	hr	-			50,000			
Material	-				ABS UL94V-0 Color RAL7032			
Gasket	-				Polythene			
Weight (with packaging)	kg	2.30(2.50)	3.65(3.85)		4.00(4.20)		4.75(4.95)	
Package dimensions	mm				410x360x130			
Mounting	-				Screws			
Conformity/Approvals	-				CE			

Versions

UL cULus File n. E301228	ALFATORRU	ALFATORR0600U	ALFATORR0610U	ALFATORR0860U	ALFATORR0861U	-
RAL7035 - Code ending			B			
EMC - Code ending	M					

Accessories

Thermostat 0-60°C, N. Open	-		THV02
Grill with filter mat			ALFA3000BP



VENTILATION



ALFATORR14
ROOF FANS



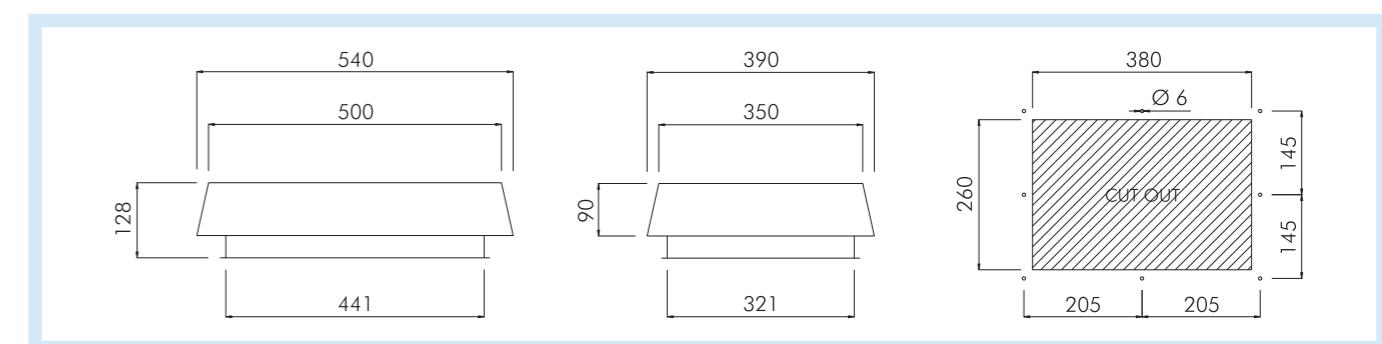
Features	Unit	ALFATORR1450	ALFATORR1451
Air flow rate (free blow)	m ³ /h	1500/(1550)	1500/(1550)
Flow rate with filter fan	m ³ /h	900/(950)	900/(950)
Power supply	V/Hz	230-50/60	115-50/60
Dimensions HxWxD	mm	540x390x128	540x390x128
Power consumption	W	160/(215)	160/(215)
Current consumption	A	0.70/(0.98)	1.40(1.96)
Overcurrent protection	-	thermal	thermal
Electric connection	-	4-pole terminal	4-pole terminal
Duty cycle	-	100%	100%
Operating temperature	°C	-20/+50	-20/+50
Protection degree enclosure side/class	-	IP44/Class I	IP44/Class I
Noise level	dB(A)	74/(75)	74/(75)
Flow direction	-	inside-out	inside-out
Bearing	-	ball	ball
Service life (at 40°C)	hr	50,000	50,000
Material	-	metal	metal
Gasket	-	PVC	PVC
Weight (with packaging)	kg	11.3(12.3)	11.3(12.3)
Package dimensions	mm	550x400x140	550x400x140
Mounting	-	Screws	Screws
Conformity/Approvals	-	CE	CE

Versions

RAL7035 - Code ending	B	B
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Accessories

Thermostat 0-60°C, N. Open	THV02	THV02
Grill with filter mat	ALFA3000BP	ALFA3000BP



Roof fans
1500-1550 m³/hr

VENTILATION



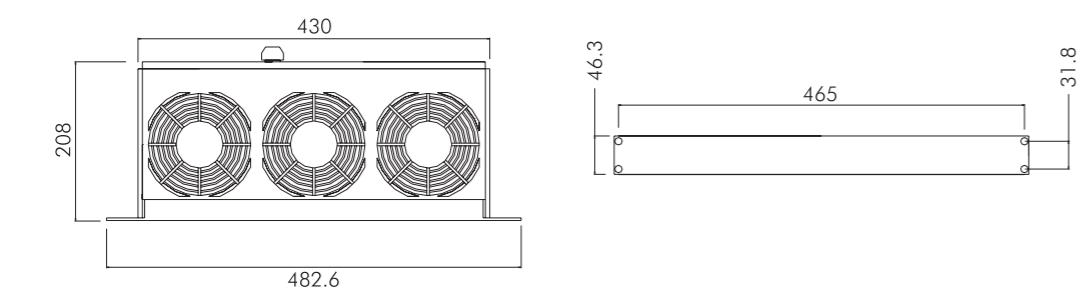
Fan trays
300-450 m³/hr

RACK

FAN TRAYS FOR 19" ENCLOSURES



Features	Unit	RACK0222	RACK0212	RACK0224	RACK0248	RACK0322	RACK0312	RACK0324	RACK0348
Air flow rate (free blow)	m ³ /h	300(360)		300		450(540)		450	
Power supply	V/Hz	230/50-60	115/50-60	24DC	48DC	230/50-60	115/50-60	24DC	48DC
Dimensions HxWxD mm									
		482x44x208							
Power consumption	W	36(34)		18	28	54(51)		27	42
Current consumption	A	0.26(0.22)	0.48(0.36)	0.75	0.58	0.39(0.33)	0.72(1.08)	1.12	0.88
Overcurrent protection	-				impedance				
Electric connection	-				3-pole terminal 2.5 mm ²				
Duty cycle	-				100%				
Operating temperature	°C				-10/+70				
Protection degree/class	-				IP30/Class I				
Noise level	dB(A)				51(52)				
Flow direction	-				bottom to top				
Bearing	-				ball				
Service life (at 40°C)	hr				50,000				
Material	-				PC-ABS UL94V-0 Color RAL7035				
Weight (with packaging)	kg	2.10(2.30)		1.60(1.80)		2.60(2.80)		1.85(2.05)	
Package dimensions	mm				510x220x65				
Mounting	-				Screws				
Conformity/Approvals	-				CE				
Accessories									
Thermostat 0-60°C, N. Open					THV02				



VENTILATION



AC fans



Code	m ³ /hr	Bearing	Power supply V/Hz	Connection	Dim. mm.
V1081BT230VAC	160	ball	220-240/50-60	fast-on	119x119x38
V1081BT115VAC	160	ball	110-120/50-60	fast-on	119x119x38
V1081BT24VAC	160	ball	24/50-60	fast-on	119x119x38
V1081BT48VAC	160	ball	48/50-60	fast-on	119x119x38
V1081ST230VAC	160	sleeve	220-240/50-60	fast-on	119x119x38
V1081ST115VAC	160	sleeve	110-120/50-60	fast-on	119x119x38
V1081ST24VAC	160	sleeve	24/50-60	fast-on	119x119x38
V1081ST48VAC	160	sleeve	48/50-60	fast-on	119x119x38
V1087BT230VAC	190	ball	220-240/50-60	fast-on	127x127x38
V1087BT115VAC	190	ball	110-120/50-60	fast-on	127x127x38
V108XBT230VAC	105	ball	220-240/50-60	fast-on	120x120x25
V108XBT115VAC	105	ball	110-120/50-60	fast-on	120x120x25
V108JCSW230VA	65	sleeve	220-240/50-60	wires	92x92x38
V108JCSW115VA	65	sleeve	110-120/50-60	wires	92x92x38
V108JCBT230VA	65	ball	220-240/50-60	fast-on	92x92x38
V108JCBT115VA	65	ball	110-120/50-60	fast-on	92x92x38
V108BBT230VAC	50	ball	220-240/50-60	fast-on	92x92x25
V108BBT115VAC	50	ball	110-120/50-60	fast-on	92x92x25
V108BST230VAC	50	sleeve	220-240/50-60	fast-on	92x92x25
V108BST115VAC	50	sleeve	110-120/50-60	fast-on	92x92x25
V108ABT230VAC	45	ball	220-240/50-60	fast-on	80x80x38
V108ABT115VAC	45	ball	110-120/50-60	fast-on	80x80x38
V108AST230VAC	45	sleeve	220-240/50-60	fast-on	80x80x38
V108AST115VAC	45	sleeve	110-120/50-60	fast-on	80x80x38
V108AXBT230VA	35	ball	220-240/50-60	fast-on	80x80x25
V108AXBT115VA	35	ball	110-120/50-60	fast-on	80x80x25
V108AXST230VA	35	sleeve	220-240/50-60	fast-on	80x80x25
V108AXST115VA	35	sleeve	110-120/50-60	fast-on	80x80x25
V108EXBT230VA	325	ball	220-240/50-60	fast-on	172x150x51
V108EXBT115VA	325	sleeve	110-120/50-60	fast-on	172x150x51
V108EXST230VA	325	sleeve	220-240/50-60	fast-on	172x150x51
V108EXST115VA	325	ball	110-120/50-60	fast-on	172x150x51
V108EXMBT230V	340	ball	220-240/50-60	fast-on	172x150x38
V108EXMBT115V	340	ball	110-120/50-60	fast-on	172x150x38
V108CBW230VA	350	ball	220-240/50-60	wires	162x150x55
V108CBW115VA	350	ball	110-120/50-60	wires	162x150x55
V108KBW230VAC	600	ball	220-240/50	wires	220x60
V108KBW115VAC	600	ball	110-120/50	wires	220x60
V108HHBT230VA	800	ball	220-240/50-60	fast-on	254x89
V108HHBT115VA	800	ball	110-120/50-60	fast-on	254x89

Other articles available on demand

VENTILATION



Ventilation accessories

ALFAKF



COMPACT FILTER UNITS

Suitable for direct screw mounting on axial fans. They can also be mounted with the fan inside the enclosure. The mounting holes have diameter Ø6.0-6.5 mm. The material is black ABS, self-extinguishing, according to UL94 V-O.

Code	Description	Dim. mm.	Pcs in 1 pack
ALFAKF060	Compact filter unit	60x60	1
ALFAKF080	Compact filter unit	80x80	1
ALFAKF092	Compact filter unit	92x92	1
ALFAKF120	Compact filter unit	120x120	1
ALFAKF150	Compact filter unit	150x150	1

ALFAKR120



COMPACT FILTER UNITS - HIGH PERFORMANCE

Compact filter unit with reduced pressure drop. Filter media, steel or acrilic, is easy accessible and cleaneable. Available in three versions:

Code	Description	Dim. mm.	Pcs per pack
ALFAKR120	Compact filter unit w/ standard filter mat	125x125x10	20
ALFAKR120R	Compact filter unit w/metallic filter mesh	125x125x10	20
ALFAKR120RF	Compact filter unit w/standard filter mat and metallic filter mesh	125x125x10	20

SPINOTTO



FAN POWER CORDS

Suitable to all fast-on connection fans. Black cable with injection moulded straight plug for 2,8x0,5 mm pins.

Code	Description	Pcs in 1 pack
SPINOTTOA2-06	Straight power cord 600 mm.	1
SPINOTTOA2-10	Straight power cord 1000 mm.	1
SPINOTTOA2-20	Straight power cord 2000 mm.	1

Ventilation accessories

VENTILATION



Ventilation accessories

ALFAFBP



ALFAFBPx0 - Spare filter mats for filter fans

Standard filter mats for ALFAxxxxBP filter fans and filter only units. To keep high performance it is necessary to periodically check the level of filter mat clogging and, if necessary, replace it with a new one. These filters are made of self-extinguishing synthetic fibres with a progressive filtering capacity.

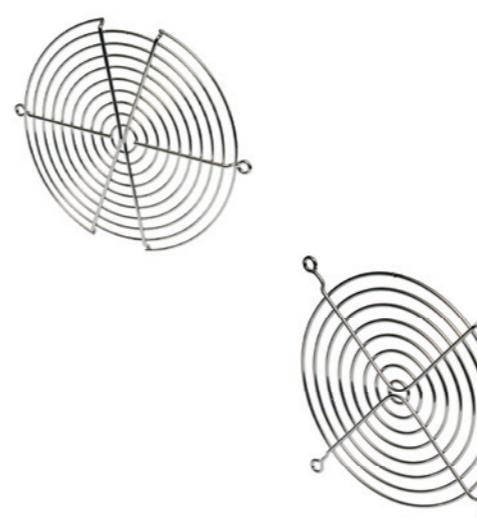
Code	Description	Pcs in 1 pack
ALFAFBPA0	Filter mat for ABPA000	10
ALFAFBP10	Filter mat for ABP1000	10
ALFAFBP00	Filter mat for ABP000	10
ALFAFBP20	Filter mat for ABP2000	10
ALFAFBP30	Filter mat for ABP3000	10

ALFAFBPx0X - High efficiency spare filter mats for filter fans

High efficiency filter mats are used in very fine dust environments. However, air flow rates are substantially reduced and should be accounted for when selecting the filter fan.

Code	Description	Pcs in 1 pack
ALFAFBPA0X	Filter mat for ABPA000, high efficiency	10
ALFAFBP10X	Filter mat for ABP1000, high efficiency	10
ALFAFBP00X	Filter mat for ABP000, high efficiency	10
ALFAFBP20X	Filter mat for ABP2000, high efficiency	10
ALFAFBP30X	Filter mat for ABP3000, high efficiency	10

ALFAGM



METALLIC PROTECTION GRILLS

Finger guard metallic protection grills for axial fans.

Range Ø 40-150 mm

Complying with international safety norms.

Code	Description	Dim. mm.	Pcs in 1 pack
ALFAGM040	Metallic finger protection grill	Ø 40	100
ALFAGM060	Metallic finger protection grill	Ø 60	100
ALFAGM080	Metallic finger protection grill	Ø 80	100
ALFAGM092	Metallic finger protection grill	Ø 92	100
ALFAGM120	Metallic finger protection grill	Ø 120	100
ALFAGM127	Metallic finger protection grill	Ø 127	100
ALFAGM150	Metallic finger protection grill	Ø 150	100
ALFAGM220	Metallic finger protection grill	Ø 220	100
ALFAGM254	Metallic finger protection grill	Ø 254	100



Anticondensation Heaters

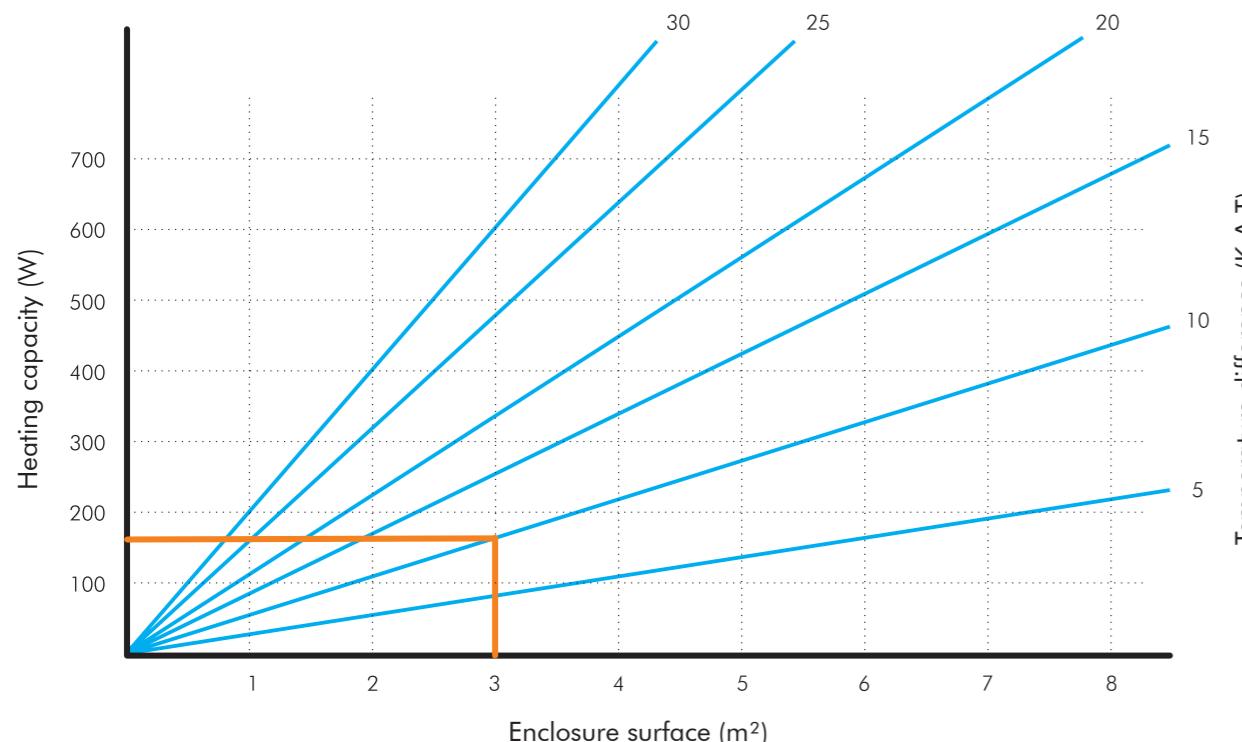
Application

Enclosure heaters are often necessary to prevent failures or corrosion caused by low temperatures or high humidity inside the enclosure. Such conditions are likely to occur when ambient temperature is low and the equipment inside the enclosure is not powered or fails to dissipate enough heat to keep enclosure temperature above the minimum threshold. Outdoor enclosures, for instance, are almost always in such conditions.

Safety

According to the type of heater, surface temperature is limited either by a PTC or by an over temperature safety switch. This allows a safe operation and a self-adjusted heating power. All heaters are in Class II, except FSHT and FMHT series in Class I.

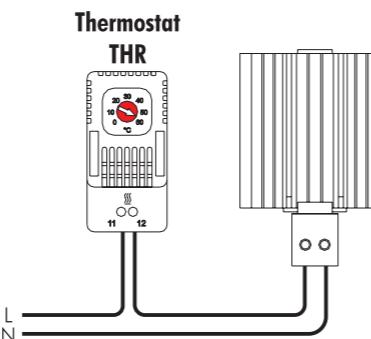
Anticondensation heaters selection diagram



Example:

Enclosure surface 3m²
Temperature difference 10K
Heating capacity required 170W

Possible heater solutions: n. 2 SHT100
n. 1 FSHT250
n. 1 FMHT230



HEATING

PTC HEATERS, TERMINAL CONNECTION

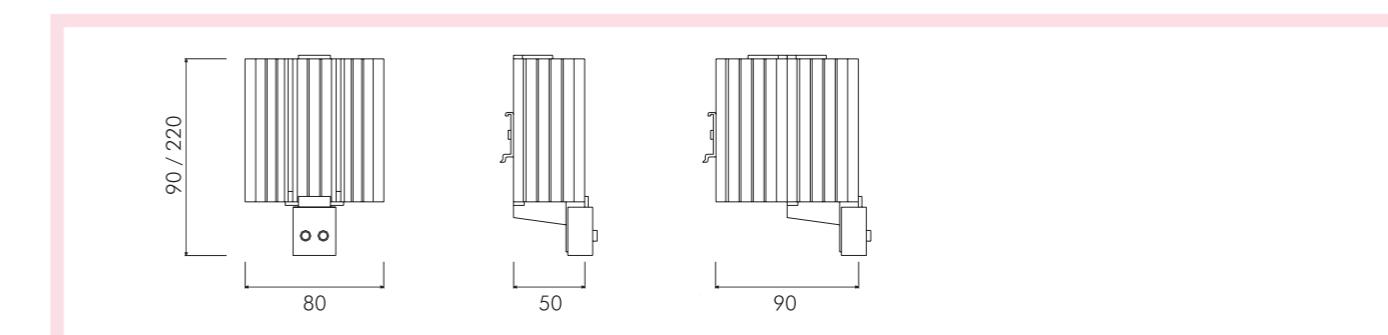


Features	Unit	SHT25	SHT50	SHT75	SHT100	SHT125	SHT150
Heating Capacity*	W	25	50	75	100	125	150
Power supply	V				110-250V AC or DC		
Max. current	A	2A	2A	4A	4A	6A	6A
Heating element type	-				PTC resistor, self regulating		
Electrical connections	-				2 screw terminals for stranded or rigid wire 2.5 mm ²		
Protection class IEC	-				Class II		
Protection degree EN60529	-				IP20		
Operating temperature	°C (°F)				-45/+70 (-49/+158)		
Storage temperature	°C (°F)				-45/+70 (-49/+158)		
Radiator	-				Extruded aluminium profile, anodized		
Mounting	-				Clip for mounting on DIN rail 35 mm EN50022		
Installation position	-				Best efficiency in vertical position		
Dimensions HxWxD	mm	90x50x80	110x50x80	160x50x80	110x90x80	160x90x80	220x90x80
Weight	kg	0.25	0.30	0.45	0.50	0.85	1.1
Conformity	-				CE		

*at 20°C (68°F) ambient temperature

Accessories

Thermostat NC 0-60°C	THR02
Double thermostat NC 0-60°C NO 0-60°	THR22
Hygrothermostat 0-60°C 30-90%RH	ETUH22



HEATING

SHT W

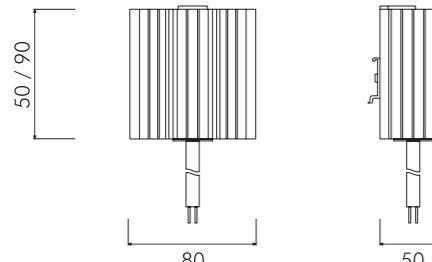
PTC HEATERS, WIRE CONNECTION



Features	Unit	SHT15W	SHT25W	SHT50W
Heating Capacity*	W	15	25	50
Power supply	V	110-250V AC or DC		
Max. current	A	2A	2A	2A
Heating element type	-	PTC resistor, self regulating		
Electrical connections	-	Silicon cable, 2x0.5 mm ² , length 400 mm		
Protection class IEC	-	Class II		
Protection degree EN60529	-	IP20		
Operating temperature	°C (°F)	-45/+70 (-49/+158)		
Storage temperature	°C (°F)	-45/+70 (-49/+158)		
Radiator	-	Extruded aluminium profile, anodized		
Mounting	-	Clip for mounting on DIN rail 35 mm EN50022		
Installation position	-	Best efficiency in vertical position		
Dimensions HxWxD	mm	50x50x80	60x50x80	80x50x80
Cable length	mm	400	400	400
Weight	kg	0.20	0.24	0.29
Conformity	-	CE		
*at 20°C (68°F) ambient temperature				

Accessories

Thermostat NC 0-60°C	THR02
Double thermostat NC 0-60°C NO 0-60°	THR02
Hygrothermostat 0-60°C 30-90%RH	ETUH22



Heaters 15-50W

HEATING

FSHT

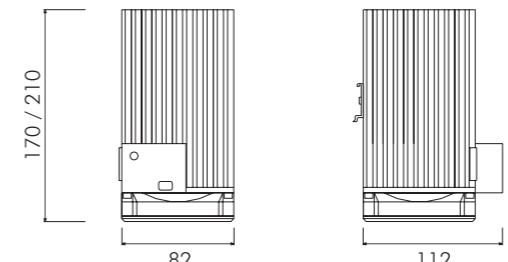
FAN ASSISTED, RESISTOR HEATERS



Features	Unit	FSHT250	FSHT251	FSHT500	FSHT501
Heating Capacity	W	250	250	500	500
Power supply	V/Hz	230/50-60	115/50-60	230/50-60	115/50-60
Max. current	A	1.2	2.4	2.4	4.8
Heating element type	-	Resistor			
Thermal protection	-	Thermal cut out fuse in case of fan failure			
Radiator	-	Extruded aluminium profile, anodized			
Axial fan	-	Ball bearing, service life 50.000 hrs at 25°C (77°F), air flow rate 35 m ³ /h, free flow			
Signalling	-	Green LED power ON			
Electrical connections	-	3 screw terminals for stranded or rigid wire 2.5 mm ²			
Protection class IEC	-	Class I, earthed			
Protection degree EN60529	-	IP20			
Operating temperature	°C (°F)	-25/+70 (-13/+158)			
Storage temperature	°C (°F)	-25/+70 (-13/+158)			
Mounting	-	Clip for mounting on DIN rail 35 mm EN50022			
Installation position	-	Best performance with vertical installation			
Dimensions HxWxD	mm	170x112x82	170x112x82	210x112x82	210x112x82
Weight	kg	1.4	1.4	1.6	1.6
Conformity	-	CE			

Accessories

Thermostat NC 0-60°C	THR02
Double thermostat NC 0-60°C NO 0-60°	THR02
Hygrothermostat 0-60°C 30-90%RH	ETUH22



Fan heaters 250-500W

HEATING

MHT
COMPACT PTC HEATERS

Heaters
5-30W

HEATING

FMHT
FAN ASSISTED, COMPACT PTC HEATERS

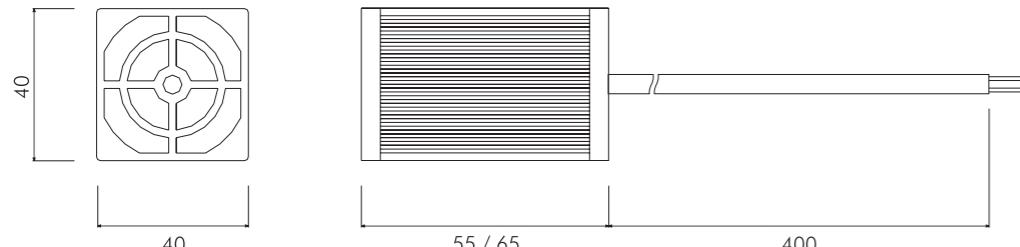
Fan heaters
75-230W



Features	Unit	MHT5	MHT15	MHT30
Heating Capacity*	W	5	15	30
Power supply	V	110-250V AC or DC		
Max. current	A	1.5	2A	2A
Heating element type	-	PTC resistor, self regulating		
Electrical connections	-	Silicon cable, 2x0,5 mm ² , length 400 mm		
Protection class IEC	-	Class II		
Protection degree EN60529	-	IP20		
Operating temperature	°C (°F)	-45/+70 (-49/+158)		
Storage temperature	°C (°F)	-45/+70 (-49/+158)		
Radiator	-	Extruded aluminium profile, anodized		
Mounting	-	Clip for mounting on DIN rail 35 mm EN50022		
Installation position	-	Best efficiency in vertical position		
Dimensions HxWxD	mm	55x40x40	55x40x40	65x40x40
Cable length	mm	400	400	400
Weight	kg	0.110	0.110	0.130
Conformity	-	CE		
*at 20°C (68°F) ambient temperature				

Accessories

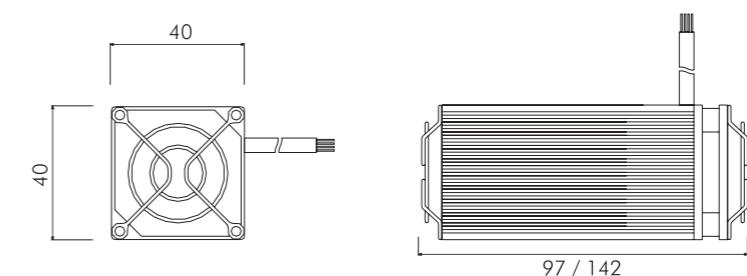
Thermostat NC 0-60°C	THR02
Double thermostat NC 0-60°C NO 0-60°	THR02
Hygrothermostat 0-60°C 30-90%RH	ETUH22



Features	Unit	FMHT75	FMHT100	FMHT150	FMHT230
Heating Capacity*	W	75	100	150	230
Power supply	V/Hz	Heater 110-250V AC/DC - Fan 24V AC/DC			
Max. current	A	4A	4A	6A	6A
Heating element type	-	PTC resistor, self regulating			
Radiator	-	Extruded aluminium profile, anodized			
Axial fan	-	Ball bearing, service life 50.000 hrs at 25°C (77°F), air flow rate 11 m ³ /h, free flow			
Electrical connections	-	Silicon cable, 4x0.5 mm ² , length 400 mm			
Protection class IEC	-	Class I			
Protection degree EN60529	-	IP20			
Operating temperature	°C (°F)	-20/+70 (-4/+158)			
Storage temperature	°C (°F)	-25/+70 (-13/+158)			
Mounting	-	Clip for mounting on DIN rail 35 mm EN50022			
Installation position	-	Best performance in vertical installation			
Dimensions HxWxD	mm	97x40x40	97x40x40	132x40x40	142x40x40
Cable length	mm	400	400	400	400
Weight	kg	0.2	0.2	0.26	0.28
Conformity	-	CE			
*at 20°C (68°F) ambient temperature					

Accessories

Thermostat NC 0-60°C	THR02
Double thermostat NC 0-60°C NO 0-60°	THR02
Hygrothermostat 0-60°C 30-90%RH	ETUH22



CONTROL

Thermostats

THV - THR

THERMOSTATS

Compact Thermostat for DIN 35 mm. rail mounting.
Based on bimetallic junction, provides high capacity NO or NC contact.
Two versions available:

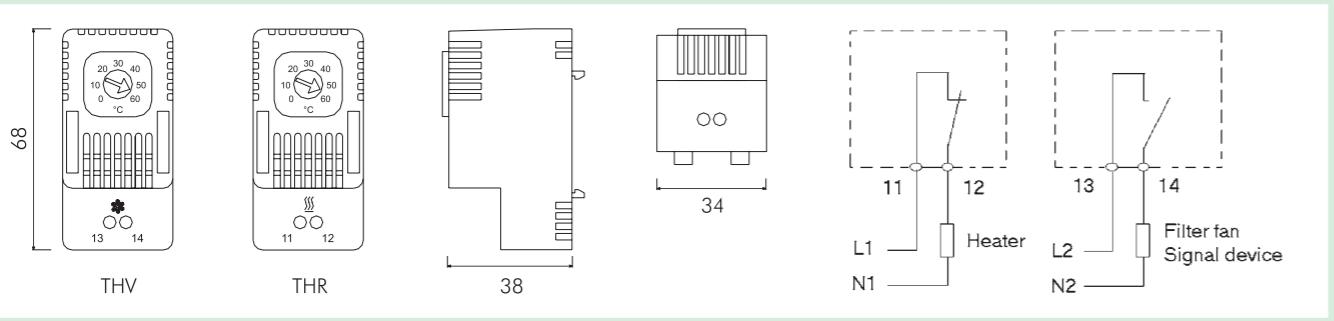
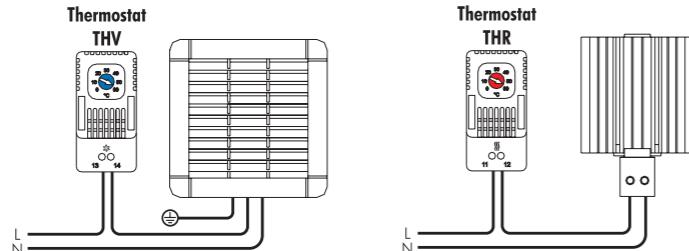
THVxx	NO Contact		Typically used for controlling ventilation devices
THRxx	NC Contact		Typically used for controlling heaters



Features	Unit	THR01	THR02	THR03	THV01	THV02	THV03
Contact function	-	NC	NC	NC	NO	NO	NO
Temperature setting range	°C	-10/+50	0/+60	+20/+80	-10/+50	0/+60	+20/+80
Hysteresis	°C				7 (tolerance +/- 4)		
Max. switching current	-						
250Vac resistive load (ind. cos phi 0,6)	A				10 (2)		
120Vac resistive load (ind. cos phi 0,6)	A				15 (2)		
Max. switching power in Vdc	W				30		
Temperature sensor type	-				Thermostatic bimetal		
Contact type	-				Snap action		
Contact resistance	mOhm				< 10		
Service life	cycles				> 100,000		
Electrical connections	-				2-pole terminal for 2.5 mm² wire		
Casing	-				PA6, UL94 VO self-extinguishing, light grey RAL 7035		
Protection degree EN60529	-				IP20		
Operating temperature	°C (°F)				-25/+80 (-13/+176)		
Storage temperature	°C (°F)				-45/+80 (-49/+176)		
Mounting	-				Clip for mounting on DIN rail 35 mm EN50022		
Installation position	-				Variable		
Conformity	-				CE		
Dimensions HxWxD	mm				68x34x38		
Weight	kg				48		

Accessories

DIN rail bracket GUIDADINPL GUIDADINPL GUIDADINPL GUIDADINPL GUIDADINPL GUIDADINPL



CONTROL

THR - THV

DOUBLE-THERMOSTATS

Compact double thermostat for DIN 35 mm. rail mounting.
Based on bimetallic junction, provide high capacity and separated
NO and NC contacts in different combinations.
Three versions available:

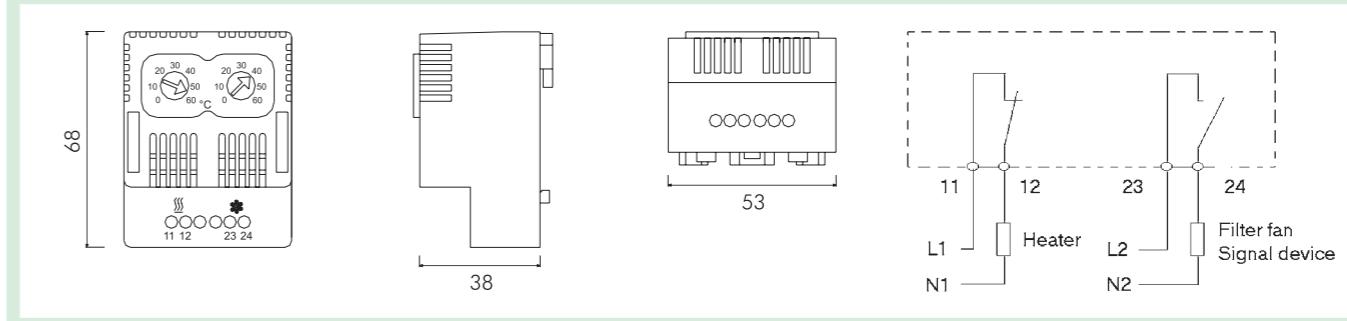
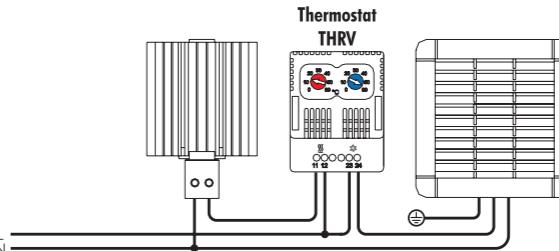
THR13	NC	NO
THR22	NC	NO
THV22	NO	NO



Features	Unit	THR13	THR22	THV22
Contact function	-	NC	NO	NC NO
Temperature setting range	°C	-10/+50	+20/+80	0/+60 0/+60
Hysteresis	°C			7 (tolerance +/- 4)
Max. switching current:				
at 250Vac resistive load (ind. cos phi 0,6)	A			10 (2)
at 120Vac resistive load (ind. cos phi 0,6)	A			15 (2)
Max. switching power in Vdc	W			30
Temperature sensor type	-			Thermostatic bimetal
Contact type	-			Snap action
Contact resistance	mOhm			< 10
Service life	cycles			> 100,000
Electrical connections	-			2-pole terminal for 2.5 mm² wire
Casing	-			PA6, UL94 VO self-extinguishing, light grey RAL 7035
Protection degree EN60529	-			IP20
Operating temperature	°C (°F)			-25/+80 (-13/+176)
Storage temperature	°C (°F)			-45/+80 (-49/+176)
Mounting	-			Clip for mounting on DIN rail 35 mm EN50022
Installation position	-			variable
Conformity	-			CE
Dimensions HxWxD	mm			68x53x38
Weight	g			80

Accessories

DIN rail bracket GUIDADINPL GUIDADINPL GUIDADINPL GUIDADINPL GUIDADINPL GUIDADINPL



Thermostats

CONTROL

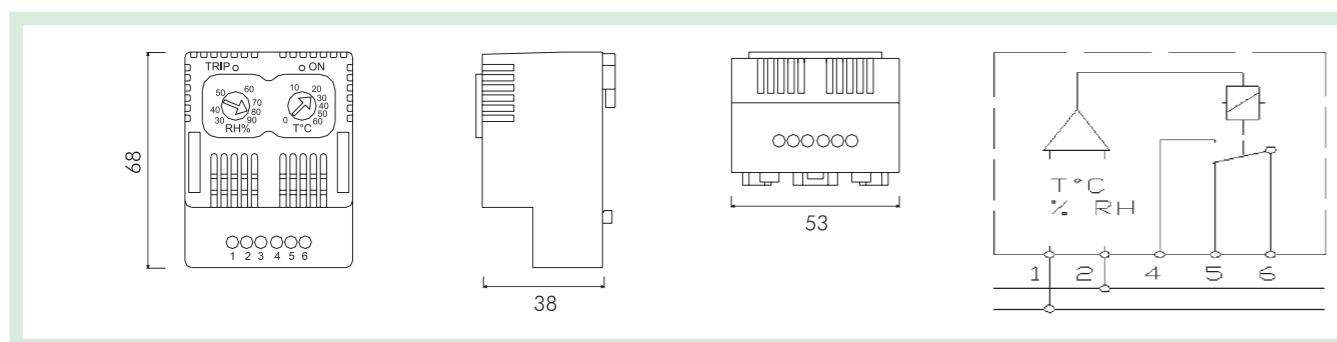
ETUH

THERMO-HYGROSTAT

Electronic Hygrothermostat for DIN 35 mm. rail mounting. Typically used to control enclosure heaters. The change over contact triggers either for high humidity or low temperature, independently set adjustable. LED display of power on and status.



Features	Unit	ETUH11	ETUH22
Power supply	V/Hz	120/50-60	230/50-60
Temperature setting range	°C	0/+60	
Temperature Hysteresis (accuracy)	°C	2 (+/-1)	
Relative Humidity setting range	RH%	30-90	
Relative Humidity Hysteresis	%	5	
Reaction time	sec	60	
Max. switching current			
NO at 250Vac resistive load	A	5	
NO at 120Vac resistive load	A	10	
NC at 250Vac resistive load	A	3	
NC at 120Vac resistive load	A	6	
at 30 Vdc	A	3	
Contact type	-	Change over	
Contact resistance	mOhm	< 10	
Service life, n. cycles	cycles	> 100,000	
Electrical connections	-	5-pole terminal for 2.5 mm ² wire	
Optical signal	-	LED	
Casing	-	PA6, UL94 VO self-extinguishing, light grey RAL 7035	
Protection degree EN60529	-	IP20	
Operating/Storage temperature	°C (°F)	-20/+80 (-4/+176)	
Mounting	-	Clip for mounting on DIN rail 35 mm EN50022	
Installation position	-	Vertical	
Conformity	-	CE	
Dimensions HxWxD	mm	68x53x38	
Weight	g	105	
Accessories			
DIN rail bracket		GUIDADINPL	GUIDADINPL



Thermo-Hygrostat

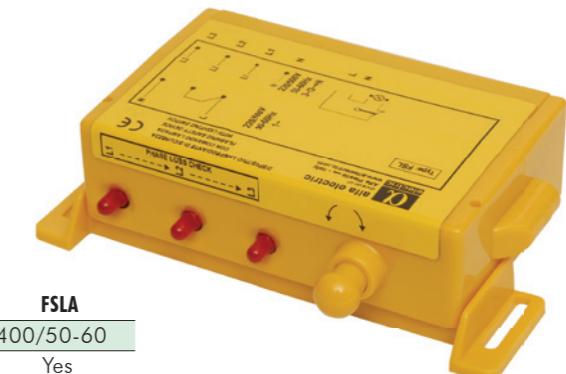
CONTROL

Safety

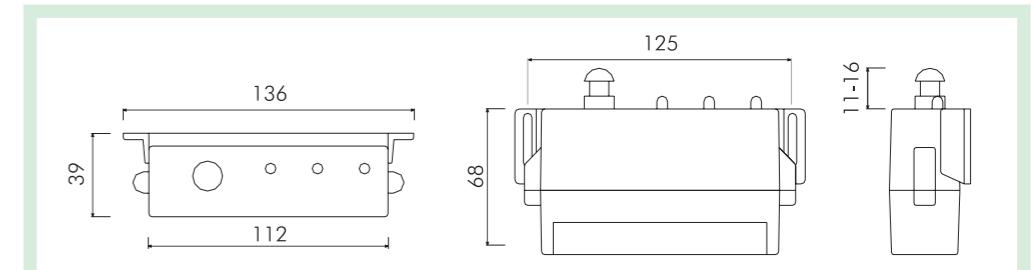
FS

FLASHING SAFETY DEVICE

The flashing safety devices series FS prevents accidents, alerting the operator that the electrical system is live. The FS devices are suitable for connection to three or single-phase lines. FS is also a phase-loss and phase-sequence control device: in case of failure, it points out the missing phase. The device functions can be increased with auxiliary contacts that allow to switch-on the lamp when opening the cabinet door or to control other equipment inside the cabinet (air conditioner, etc.)



Features	Unit	FS	FSL	FSLA
Power supply	V/Hz	1ph 115-230/50-60 or 3ph 400/50-60		
Power on, Phase sequence, Phase loss	Yes/No	Yes	Yes	Yes
Signal	-	n° 3 LEDs, red	n° 3 LEDs, red	n° 3 LEDs, red
Contact for lamp	Yes/No	No	Yes	Yes
Contact type	-	-	NC	NC
Max current	A	-	5	5
Service life	Cycles	-	> 25.000	> 25.000
Auxiliary Contact	Yes/No	No	No	Yes
Contact type	-	-	-	Change over
Max current	A	-	-	5
Service life	Cycles	-	-	> 25.000
Probe extension	mm	Adjustable 11-16		
Casing	-	Poly-carbonate, Yellow		
Connection on terminals	mm ²	n. 6x4	n. 8x4	n. 11x4
Mounting	-	Adjustable fixing bracket 125 mm interlock		
Protection degree EN60529	-	IP20		
Protection class	-	I		
Operating/Storage temperature	°C(°F)	-10 +70 (+14 +158)/-20 +80(-4 +176)		
Installation position	-	Variable		
Dimensions HxWxD	mm	34x112x68 (+16)		
Weight	kg	0,15		
Package dimensions HxWxD	mm	46x145x88		
Conformity	-	CE		



FIN - DOOR LIMIT SWITCH

Required on most enclosures for safety and operation of auxiliary circuits, such as switching on lamps or switching off ventilation/air conditioning when the door is open. FIN Limit switches can be equipped with the optional bracket FINSTAFF for fixing and positioning.

Features	Unit	FINCOR	FINRIP
Contacts type	-	Zb type snap action (1NO+1NC)	
Rated current at 230V(400V) AC15	A	3,1(1,9)	
Protection degree EN60529	-	IP65	
Protection Class	-	II	
Operating temperature	°C	-25 +70	
Rated insulation voltage Ui	V	690	
Service life	Cycles	> 25.000	
Cable inlet	-	PG13,5 cable gland	
Mechanical lock	Yes/No	No	Yes
Dimensions HxWxD	mm	75x31x31	91x31x39
Weight	kg	0,04	0,05
Conformity	-	CE EN60947-5-1, IEC 947-5-1	





LAMP CP22

COMPACT, HIGH EFFICIENCY ENCLOSURE LAMP

Fitted with Schuko socket and switch, it can be mounted with clips on DIN rail, on a bracket (ALFASTAFF) with screws or with magnetic fixing.
It fits exactly one 19" height/unit (44 mm).



Features	Unit	LAMPCP22	LAMPSP22
Power supply	V/Hz	230/50	230/50
Schuko socket	-	Yes 6A	No
Luminosity	Lm	900	
Lamp type	-	high efficiency fluorescent lamp	
Power consumption	W	11	
Service life	hrs	5000	
Switch	-	On/Off for the lamp only	
Connection	-	3-pole terminal for 1.5 mm ² wire	
Casing	-	Aluminium profile and ABS, UL94 VO, light grey	
Protection degree EN60529	-	IP20	
Protection class	-	Class I, earthed	
Operating temperature	°C(°F)	-20/+50 (-4/+122)	
Storage temperature	°C(°F)	-45/+80 (-49/+176)	
Mounting	-	Clip on DIN rail, magnet or bracket, see ordering code below	
Installation position	-	variable	
Dimensions HxWxD	mm	95x43x268	
Weight	kg	0.76	
Package dimensions HxWxD	mm	105x58x310	
Conformity	-	CE	

Versions

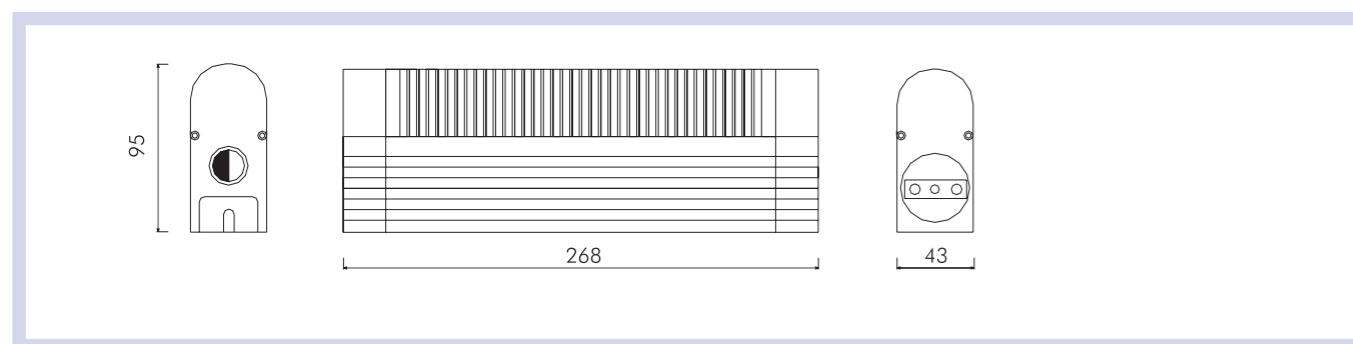
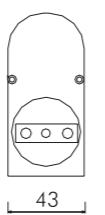
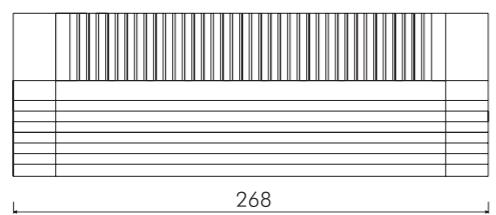
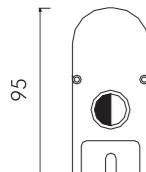
Clip mounting on DIN rail	LAMPCP22+CLIP	LAMPSP22+CLIP
Magnet mounting	LAMPCP22+MAGN	LAMPSP22+MAGN
Bracket mounting	LAMPCP22+STAF	LAMPSP22+STAF

Accessories

Bracket for lamp	ALFASTAFF	ALFASTAFF
Magnet for lamp	ALFAMAGNETE	ALFAMAGNETE
Door limit switch without block	FINCOR	FINCOR
Door limit switch	FINRIP	FINRIP
Safety flashing device with lamp switch	FSL	FSL
Safety flashing device with lamp and auxiliary switches	FSLA	FSLA



ALFASTAFF



LAMP 36

SLIM ENCLOSURE LAMP

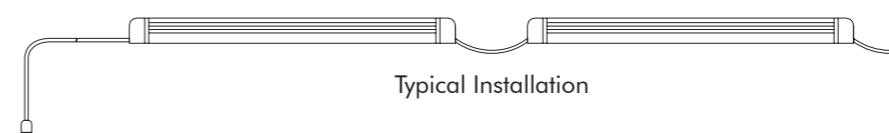
Slim and versatile fluorescent lamp. More units can be connected together in a chain up to a total power of 100W, by using the addition interconnection cable including in the packaging.



Features	Unit	LAMP3604	LAMP3605	LAMP3606	LAMP3607	LAMP3608
Power supply	V/Hz	230/50				
Lamp type	-	T5 fluorescent lamp with integrated electronic ballast				
Power consumption	W	6	8	13	21	28
Service life	hrs			5000		
Connection	-	Plug-in cable 1.8 m long inside the package				
Series of lamps	-	Possible with male/male extension cable, max 100W total series				
Casing	-	Plastic, white				
Protection degree/class	-	IP20/Class II				
Operating temperature	°C(°F)	-20/+50 (-4/+122)				
Storage temperature	°C(°F)	-45/+80 (-49/+176)				
Mounting	-	Screws, hidden behind the lamp				
Dimensions HxWxD	mm	270x44x22	345x44x22	570x44x22	910x44x22	1210x44x22
Weight	kg	0.33	0.36	0.50	0.53	0.60
Conformity	-	CE				

Accessories

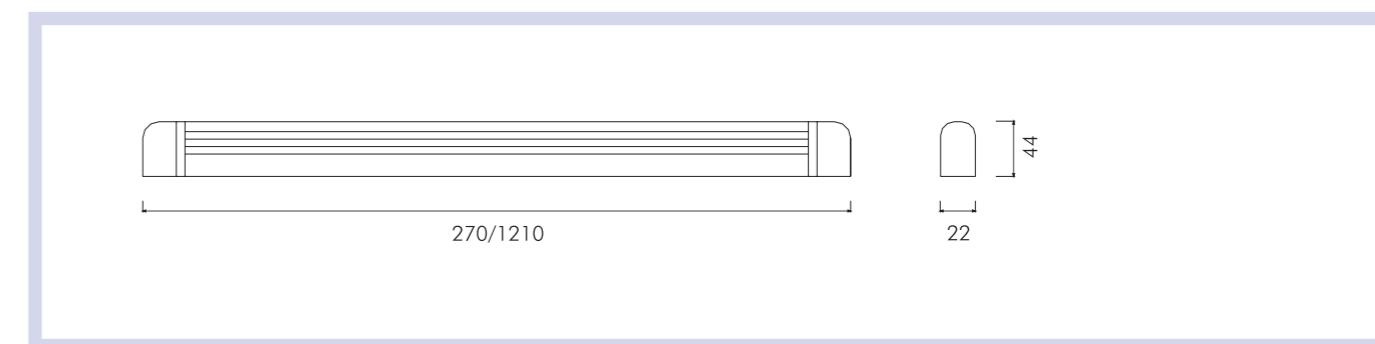
Door limit switch without block	FINCOR	FINCOR	FINCOR	FINCOR	FINCOR
Door limit switch	FINRIP	FINRIP	FINRIP	FINRIP	FINRIP
Safety flashing device with lamp switch	FSL	FSL	FSL	FSL	FSL
Safety flashing device with lamp and auxiliary switches	FSLA	FSLA	FSLA	FSLA	FSLA
Plastic bracket	STAF36	STAF36	STAF36	STAF36	STAF36



Typical Installation



STAF36



LIGHTING



Lamps
10 - 30W

LAMP 3012

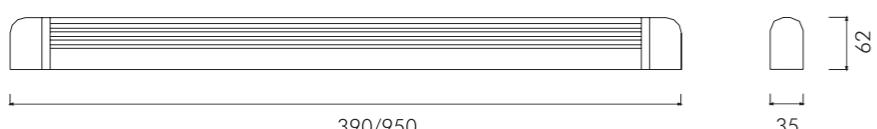
ENCLOSURE LAMP



Features	Unit	LAMP3012-10W	LAMP3012-15W	LAMP3012-18W	LAMP3012-30W
Power supply	V/Hz		230/50		
Lamp type	-		T8 fluorescent lamp with integrated electronic ballast		
Power consumption	W	10	15	18	30
Service life	hrs		5000		
Connection	-		3-pole terminal for 2.5 mm ² wire		
Casing	-		Plastic, white		
Protection degree/class	-		IP20/Class I, earthed		
Operating temperature	°C(°F)		-20/+50 (-4/+122)		
Storage temperature	°C(°F)		-45/+80 (-49/+176)		
Mounting	-		Screws, hidden behind the lamp		
Dimensions HxWxD	mm	390x62x35	490x62x35	645x62x35	950x62x35
Weight	kg	0.45	0.7	0.85	1.25
Conformity	-		CE		

Accessories

Door limit switch without block	FINCOR	FINCOR	FINCOR	FINCOR
Door limit switch	FINRIP	FINRIP	FINRIP	FINRIP
Safety flashing device with lamp switch	FSL	FSL	FSL	FSL
Safety flashing device with lamp and auxiliary switches	FSLA	FSLA	FSLA	FSLA



Lamps
10 - 30W

LIGHTING



LAMP 2005

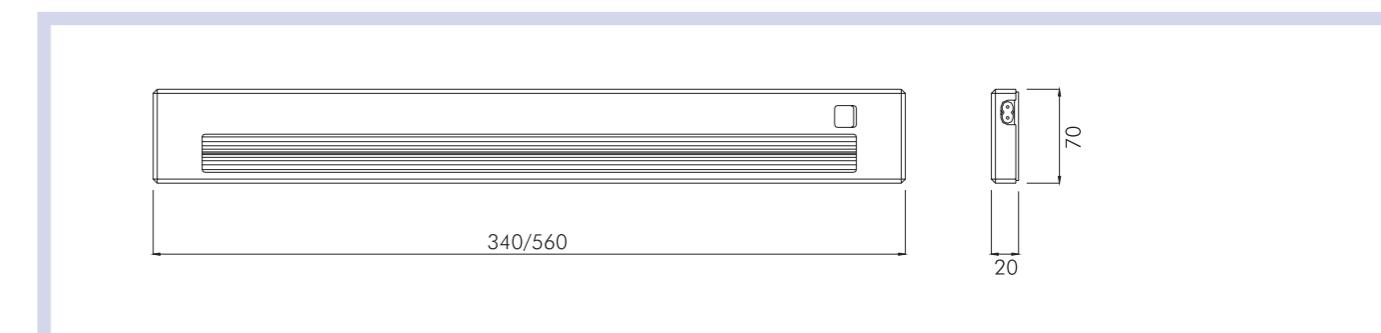
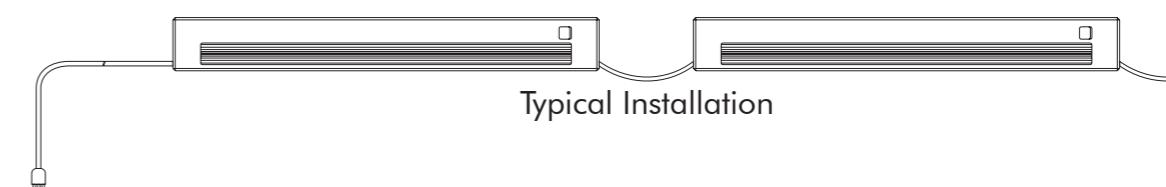
Slim and versatile fluorescent lamp. More units can be connected together in a chain up to a total power of 100W, by using the addition interconnection cable including in the packaging.



Features	Unit	LAMP2005-8W	LAMP2005-13W
Power supply	V/Hz	230/50	
Lamp type	-	T5 fluorescent lamp with integrated electronic ballast	
Power consumption	W	8	13
Service life	hrs	5000	
Connection	-	Plug-in cable 1.8 m long inside the package	
Series of lamps	-	Possible with male/male extension cable, max 100W total series	
Casing	-	Plastic, white	
Protection degree/class	-	IP20/Class II	
Operating temperature	°C(°F)	-20/+50 (-4/+122)	
Storage temperature	°C(°F)	-45/+80 (-49/+176)	
Mounting	-	Screws, hidden behind the lamp	
Dimensions HxWxD	mm	340x70x20	560x70x20
Weight	kg	0.50	0.70
Conformity	-	CE	

Accessories

Door limit switch without block	FINCOR	FINCOR
Door limit switch	FINRIP	FINRIP
Safety flashing device with lamp switch	FSL	FSL
Safety flashing device with lamp and auxiliary switches	FSLA	FSLA



Lamps
8 - 13W

ACCESSORIES

ALFASOCKET

DIN RAIL SOCKET

For mounting on 35 mm DIN rail. Wire connections on terminals. It provides a power supply for electrical tools or instruments during installation, operation and maintenance. Available in five different national standards and in two basic versions: without and with limiting fuse 6.3A.

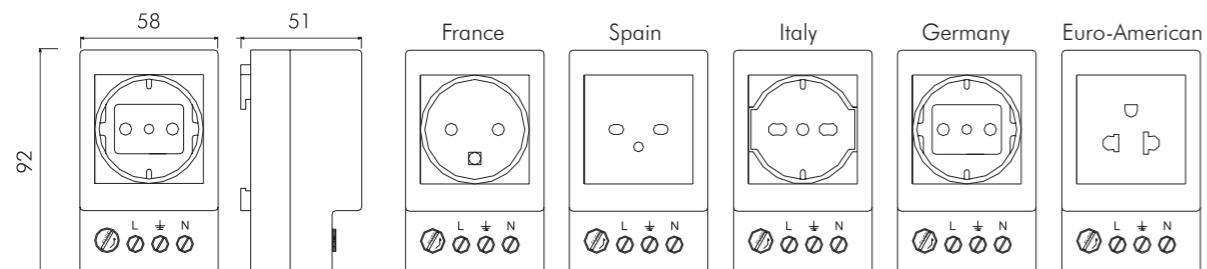


Features	Unit	ALFASOCKET01	ALFASOCKET02	ALFASOCKET03	ALFASOCKET04	ALFASOCKET05
Standard	-	Germany	Italy	France	Euro-American	Spain
Voltage	V	250	250	250	125	250
Max current	A	16	16	16	16	16
Electrical connections	-	3-pole terminal for 2.5 mm ² wire				
Casing	-	ABS, UL94 VO self-extinguishing, light grey RAL 7035				
Protection degree	-	IP20				
Protection class	-	Class I				
Operating temperature	-	-25/+60 (-13/+140)				
Storage temperature	°C (°F)	-45/+60 (-49/+140)				
Mounting	-	Clip for mounting on DIN rail 35 mm EN50022				
Conformity	-	CE				
Dimensions HxWxD	mm	92x57x51				
Weight	g	105				

Versions

with fuse 6.3 A ALFASOCKET01F ALFASOCKET02F ALFASOCKET03F ALFASOCKET04F ALFASOCKET05F

Accessories



Sockets

ACCESSORIES

ALFAPRSCH



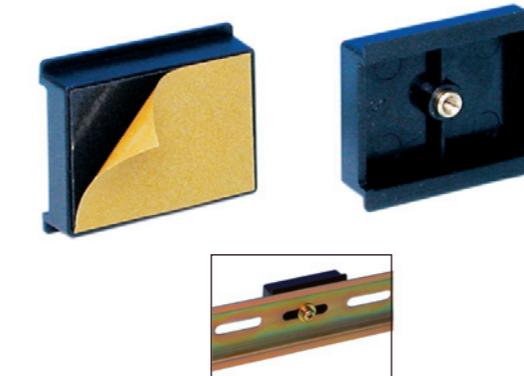
ALFATASC



PRESSCOMP



GUIDADINPL



DIN RAIL SOCKET

Cost-effective Schuko socket for DIN rail mounting.

Features	Unit	
Rated voltage, max	V	250
Maximum current	A	16
Dimensions HxWxD	mm	70x53x60
Weight	kg	0,04
Conformity	-	CE

WIRING DIAGRAM HOLDER

Suitable for holding documents max. A4 format (297x210 mm).

Clean carefully the mounting surface and wait at least 12 hr. before loading.

Features	Unit	
Material	-	ABS
Color	-	RAL 7032 or 7035
Fixing	-	bi-adhesive tape
Dimensions HxWxD	mm	264x235x35
Weight	kg	0,185
Conformity	-	CE

PRESSURE EQUALIZER

Sealed enclosures when subject to external temperature fluctuations develop pressure differential toward the ambient. As a consequence entrance of dust and/or humidity is likely to happen through leakage points. Installing a PRESSCOMP prevents this risk while preserving a high protection degree for the enclosure.

Features	Unit	
Material	-	ABS self-extinguishing RAL 7035
Protection degree	-	IP45
Fixing	-	screws with rubber gasket
Dimensions HxWxD	mm	70x50x21
Weight	kg	0,022
Conformity	-	CE

FIXING DEVICE

A practical solution for mounting small devices or DIN 35 mm rail without the necessity of drilling holes on the cabinet. The double-sided adhesive band can bear a continuous load of 0,5 kg. Before fixing, clean carefully the mounting surface and wait at least 24hr before loading.

Features	Unit	
Material	-	ABS self-extinguishing Black
Maximum load	kg	0,5
Application temperature	°C	+10 min.
Operating temperature	°C	-30 +70
Mounting surfaces	-	all, except poly-ethylene, poly-propylene and rubber
Dimensions HxWxD	mm	42x36x11
Weight	kg	0,015
Conformity	-	CE