

**Reference guide
Distribution enclosures,
panelboards
and metal boxes**

January 2017



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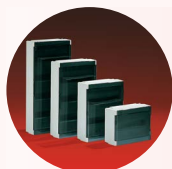
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Insulated enclosures - Surface mounting IP30**Series Pegasus**

The serie Pegasus is a good solution for small electric box in domestic application.

They are available from 2 to 18 modules in one row, up to 63A.

Made of plastic ABS with Glow-wire test up to 650°C for 30s, colour RAL 9016.


Din Rail can be removed and they are suitable for ground and neutral terminals.

Technical characteristics:

- Protection degree: IP30
- Rated current (In): ≤63A
- Temperature resistance: 650° glow wire test
- Working temperature: -15°C +60°C
- Color: White RAL 9016
- Connections: Optional earth and neutral bar structure
- Standards: EN 60695-2, CEI 23-48, CEI 23-49

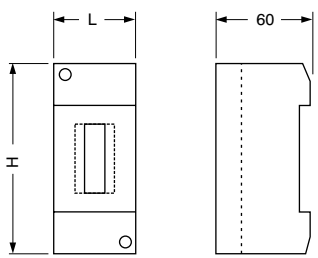
Number of modules	Max power dissipation
2 modules (1 row)	9W
4 modules (1 row)	11W
8 modules (1 row)	17W
12 modules (1 row)	24W

Insulated enclosures - Surface mounting IP30

Insulated enclosures - surface mounting - Series SGH							
	Description	Dimensions L x H x P (mm)	Number of rows	Number of modules	Catalogue number	Pack.	
	Complete enclosure with: asportable Omega guide	52 x 130 x 60	1	2	SGH02	1	
		87 x 130 x 60	1	4	SGH04	1	
		160 x 160 x 60	1	8	SGH08	1	
		260 x 160 x 60	1	12	SGH12	1	

Dimensions - Series SGH

1 row



Type	L (mm)	H (mm)
1 row - 2 modules	52	130
1 row - 4 modules	87	130
1 row - 8 modules	160	160
1 row - 12 modules	260	160

Distribution board, flush-fit IP40 with metallic door**Series Lyra**

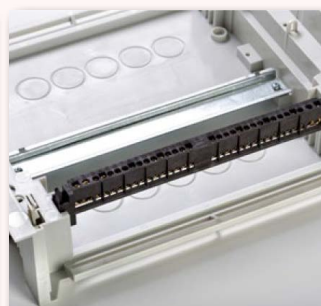
The range of flush-fit distribution boards with metallic door offers a modular capacity from 12 to 56 modules. Lyra series are available with opaque white colour RAL 9003.

Lyra's design allows the maximum accessibility once installed. Designed for commercial or residential sector, its design gives a proper integration in any ambience.

Technical characteristics:


- Protection degree: IP40 *
- Resistance to impact: IK08
- Resistance to glow wire: 650°C glow wire test
- Rated voltage: up to 400V AC
- Color: White RAL 9003
- Connections: Earth and neutral bar structure
- Key lock: optional with key
- Standards: IEC-EN 62208, EN 61439-1

* the protection degree is guaranteed with the door completely closed



Distribution board, flush-fit IP40 with metallic door

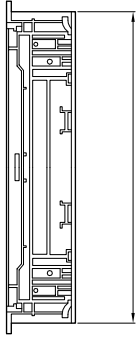
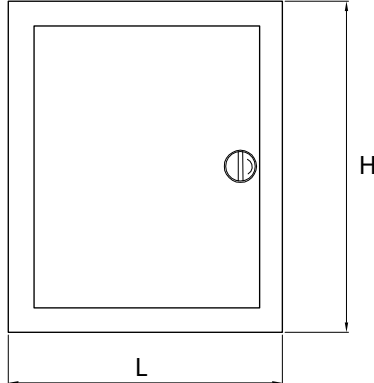
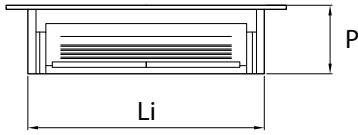
Distribution board completo di scatola da incasso, blind door - Series SGL

	Description	Dimensions L x H x P (mm)	Number of rows	Number of modules	Code	Pack unit	
	Complete enclosure with: metallic door earth and neutral bar	314 x 343 x 93	1	12 + 2	SGL12	1	
		314 x 414 x 93	2	24 + 4	SGL24	1	
		314 x 539 x 93	3	36 + 6	SGL36	1	
		314 x 724 x 93	4	48 + 8	SGL48	1	

Accessories - Series SGL

	Description	Code	Pack unit	
	Chiusura a chiave	SGL-K	1	

Dimensions - Series SGL

Type	L (mm)	Li (mm)	H (mm)	Hi (mm)	P (mm)
1 row - 12+2 modules	368	314	343	314	93
2 rows - 24+4 modules	368	314	443	414	93
3 rows - 36+6 modules	368	314	568	539	93
4 rows - 48+8 modules	368	314	753	724	93

Insulated enclosures - Flush mounting and surface mounting IP40

Series Andromeda

The serie Andromeda is a useful and compact solution for small panelboards in domestic application up to 63A. They are available as Flush-fit and surface mounting, up to 36 modules.

Made of plastic ABS with Glow-wire test up to 650°C for 30s, colour RAL 9016.

The line is beautiful and elegant, with a smoked door and white body.

Din Rail can be removed and they are suitable for ground and neutral terminals (see accessories).


Technical characteristics:

- Protection degree: IP40 *
- Total insulation: class II *
- Rated current (In): ≤63A
- Temperature resistance: 650° glow wire test
- Rated voltage: up to 520V
- Colors: White RAL 9016
- Connections: Optional earth and neutral bar structure
- Standards: EN 60439-1, VDE

* Degree protection and total insulation are garanted with the window totally closed

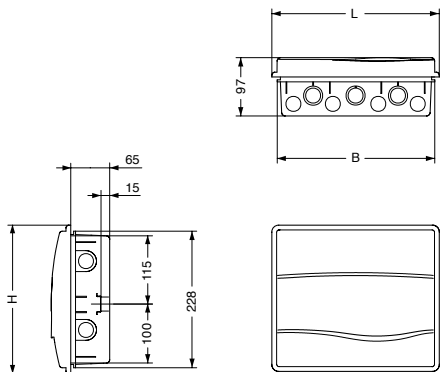
Number of modules	Max power dissipation
4 modules (1 row)	11W
8 modules (1 row)	17W
12 modules (1 row)	24W
18 modules (1 rows)	38W
24 modules (2 rows)	35W
36 modules (3 rows)	46W

Insulated enclosures - Flush mounting IP40

Flush mounting box with smoked door and internal frame - Series SGH-I							
Description	Dimensions			Number of rows	Number of modules	Catalogue number	Pack.
	L x H x P (mm)						
 <p>Complete enclosure with: opaque windows quick mounting of DiN rail without screws earth and neutral bars structure easy-breaking pre-moulded slots for cable entry</p>	112 x 200 x 66			1	4	SGH-I04	1
	184 x 200 x 66			1	8	SGH-I08	1
	256 x 200 x 66			1	12	SGH-I12	1
	365 x 220 x 76			1	18	SGH-I18	1
	257 x 310 x 76			2	24	SGH-I24	1
	293 x 455 x 76			3	36	SGH-I36	1
14 entries earth & neutral bars						GHE-14GN	1

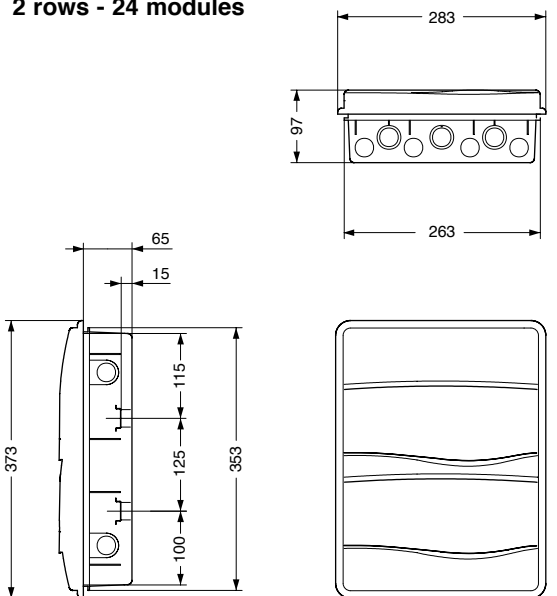
Dimensional - Series SGH-I

1 row

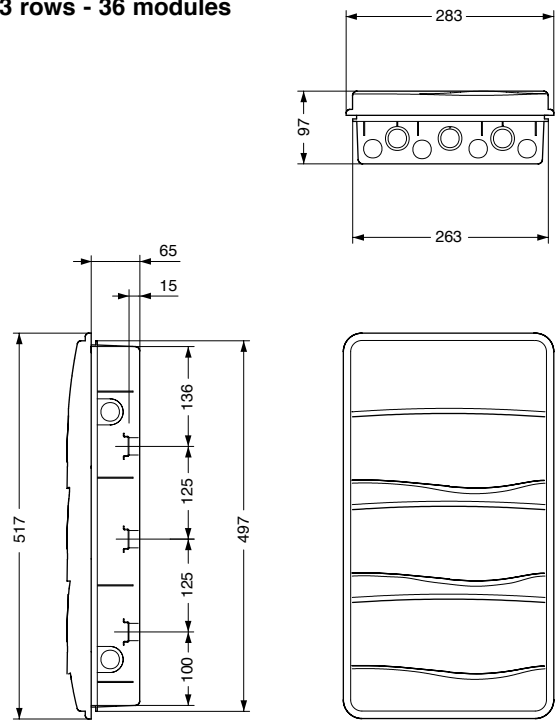


Type	L (mm)	B (mm)	H (mm)
1 row - 4 modules	120	120	228
1 row - 8 modules	210	190	248
1 row - 12 modules	283	263	248


2 rows - 24 modules



3 rows - 36 modules

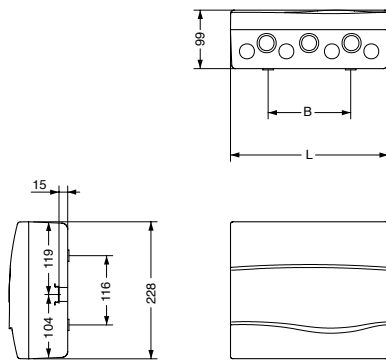


Insulated enclosures - Surface mounting IP40

Surface mounting box with smoked door and internal flame - Series SGH-P							
	Description	Dimensions L x H x P (mm)	Number of rows	Number of modules	Catalogue number	Pack.	
	Complete enclosure with: opaque windows quick mounting of DiN rail without screws earth and neutral bars structure easy-breaking pre-moulded slots for cable entry	112 x 210 x 100	1	4	SGH-P04	1	
		184 x 210 x 100	1	8	SGH-P08	1	
		256 x 210 x 100	1	12	SGH-P12	1	
		364 x 222 x 100	1	18	SGH-P18	1	
		270 x 325 x 100	2	24	SGH-P24	1	
		305 x 473 x 100	3	36	SGH-P36	1	
	14 entries earth & neutral bars				GHE-14GN		

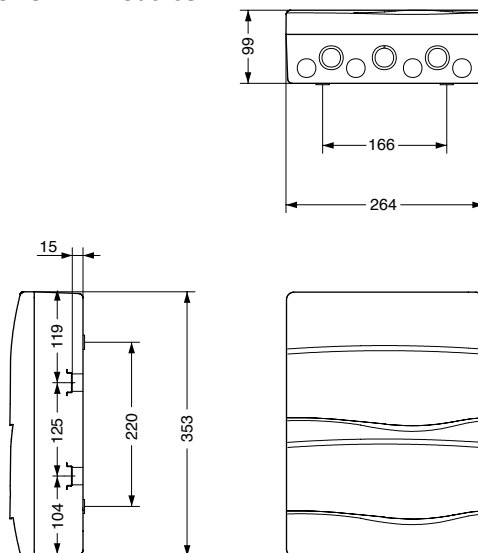
Dimensional - Series SGH-P

1 row

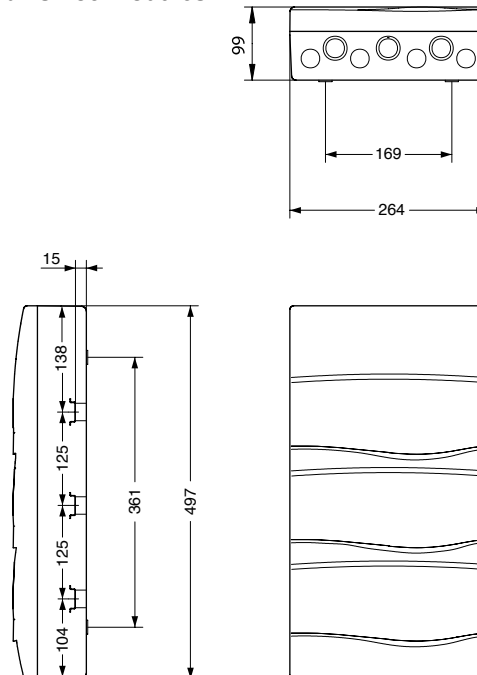


Type	L (mm)	B (mm)
1 row - 4 modules	120	-
1 row - 8 modules	191	98
1 row - 12 modules	264	138

2 rows - 24 modules

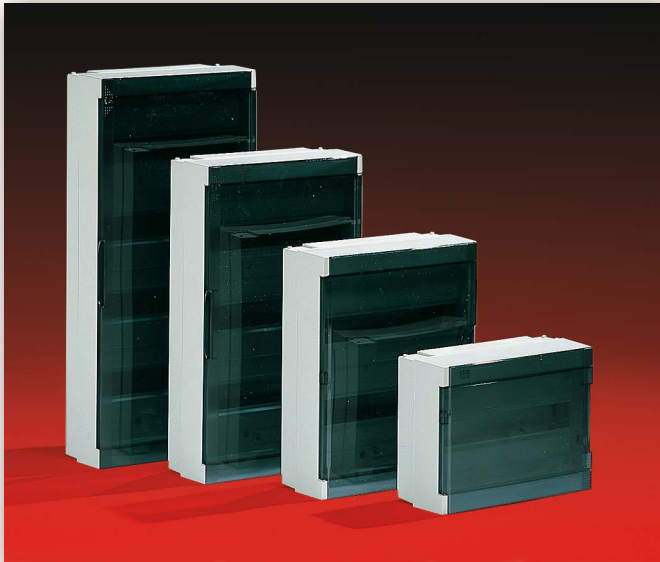


3 rows - 36 modules



Notes

The notes section is a large rectangular area designed for handwritten or printed notes. It features a dark grey header bar at the top, followed by a light pink horizontal bar. The main body of the notes is a white grid with thin black lines, providing a structured space for recording information.

Big insulated enclosures - Surface mounting IP40**Series Fenice**

The Fenice serie is a solution for electric panels in domestic and service industry application, up to 72 modules and 80A rated current.

They are available as transparent door or plain door and they are designed for an easy mounting and wiring, with good solution for in/out cable space.

30mm free space between removable frame and back side.

150mm space between each row.

On top and bottom sides there are many pre-punched holes for cables.

The panels are equipped with ground terminal bar, gland plate, 2 plastic modular cover (4 modules) and lot of tags for devices. All panles are suitable for key-lock.



Technical characteristics:



- Protection degree: IP40 *
- Total insulation: class II □*
- Capacity: from 18 modules in 1 row to 72 modules in 4 rows
- Resistance to impact: 7 joule according to IEC 493-3, EN 60439-3, CEI 17-13/3
- Temperature resistance: 650° glow wire test
- Chemical resistance: chemical resistance against water, salt solution, acid rain
- Color: Grey RAL 7036, Plein door Grey RAL 7035
- Execution: with transparent or grey door can be opened to 180°
- Key lock: optional for all type
- Connections: earth bar structure included
- Standards: EN 60439-3, CEI 23-48, CEI 23-49

* Degree protection and total insulation are garanted with the window totally closed

Number of modules	Max power dissipation
18 modules (1 row)	30W
36 modules (2 rows)	40W
54 modules (3 rows)	50W
72 modules (4 rows)	60W

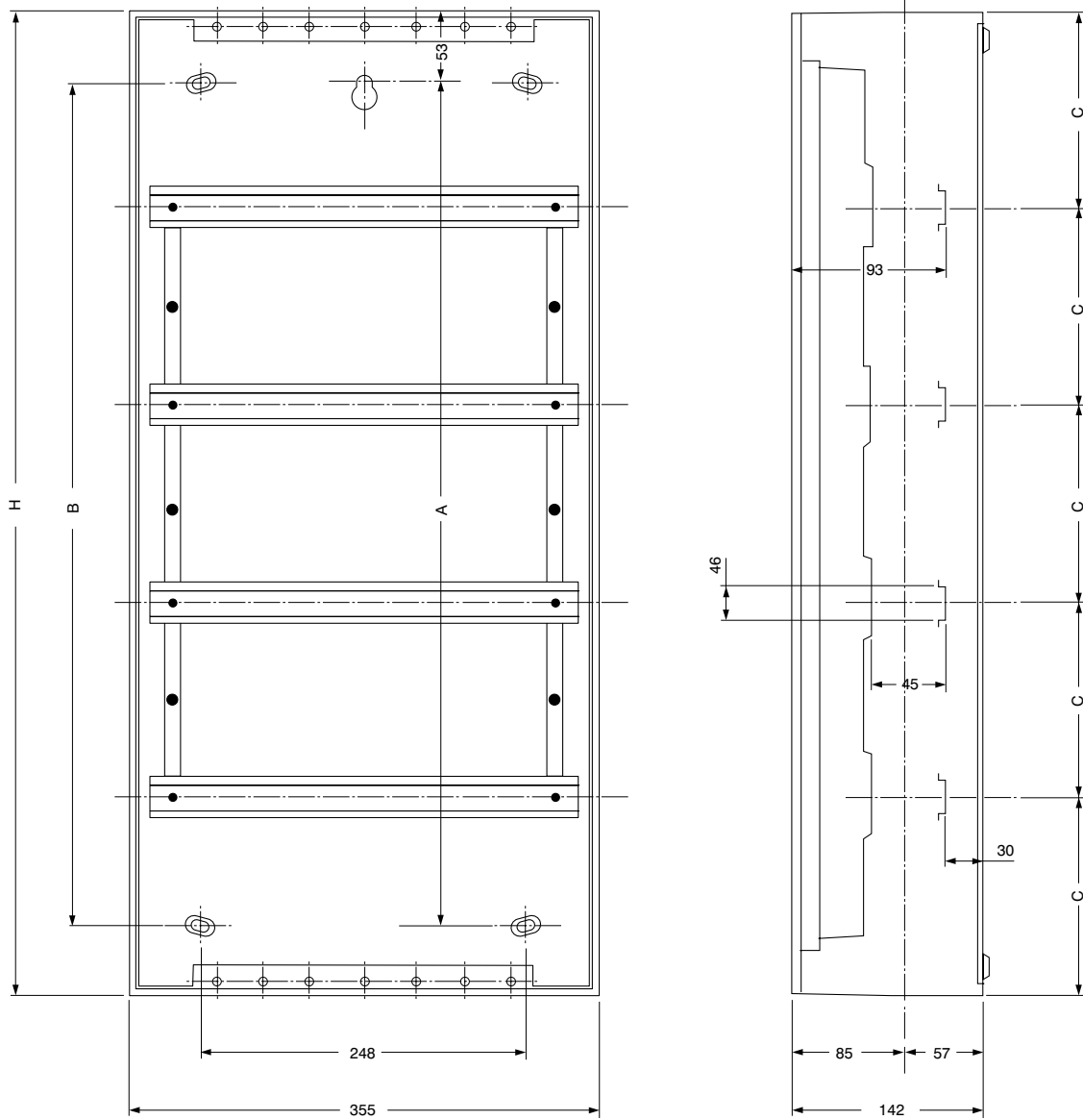
Big insulated enclosures - Surface mounting IP40

Insulated enclosures - Series Fenice								
	Description	Dimensions L x H x P (mm)	Number of rows	Modules (17,5mm)	Code	Reference number	Pack	
Transparent door								
	Complete enclosure with:	355 x 270 x 142	1	18	GHF18PT	610449	1	
	shallow base	355 x 450 x 142	2	36	GHF36PT	610451	1	
	transparent door	355 x 600 x 142	3	54	GHF54PT	610453	1	
	mounting frame	355 x 750 x 142	4	72	GHF72PT	610455	1	
	earth bar entry plate 2 blank plate labels adhesive pictograms							
Plein door								
	Complete enclosure with:	355 x 270 x 142	1	18	GHF18PC	610450	1	
	shallow base	355 x 450 x 142	2	36	GHF36PC	610452	1	
	plein door	355 x 600 x 142	3	54	GHF54PC	610454	1	
	mounting frame	355 x 750 x 142	4	72	GHF72PC	610456	1	
	earth bar entry plate 2 blank plate labels adhesive pictograms							

Accessoris and spare parts - Series Fenice					
	Description	Code	Reference number	Pack	
Universal entry plate (spare part)					
	For a sound and safe quality of finish. Increases the dust protection. With moulded-in marks for conduits.	GHF-PP	610264	1	
Key lock					
	With 2 keys	GHF-KL	610170	1	
Drawink pocket					
	To be fixed at the bottom or at the top of the protective cover	GHF-TP	610265	1	
Adhesive pictograms (spare part)					
	For clear and permanent identification of circuits, set of 50 pieces	GHF-EI	610270	4	
Coupling					
	Coupling 2 x PG21 allows the facility to couple several Fix-o-Rail enclosures laterally, top and bottom	GHF-PC	610327	4	
Blank plate					
	Length: 72 mm (4 modules)	GHF-CF	610142	4	
Terminal bars					
	Support with earth terminals 18x16mm ² + neutral terminals 2 (10x16mm ²)	GHF-MTN1	610279	1	
	Support with earth terminals 14x16mm ² + neutral terminals 2 (10x16mm ²)	GHF-MTN2	610289	1	
	Phase terminals 8x16mm ²	GHF-MF	610266	4	
	Neutral terminals 8x16mm ²	GHF-MN	610267	4	
	Earth terminals 8x16mm ²	GHF-MT1	610278	4	
	Earth terminals 10x16mm ²	GHF-MT2	610288	4	
	Earth terminals 14x16mm ²	GHF-MT3	610298	4	

Big insulated enclosures - Surface mounting IP40

Dimensionis - Series Fenice



Types	H (mm)	A (mm)	B (mm)	C (mm)
1 row - 18 modules	270	163	162	135
2 rows - 36 modules	450	343	342	150
3 rows - 54 modules	600	493	492	150
4 rows - 72 modules	750	643	642	150

Notes

The notes section is a large rectangular area designed for handwritten or printed notes. It features a dark grey header bar at the top, followed by a light pink horizontal bar. The main body of the notes area is a white grid with thin grey lines, providing a structured space for recording information.

Waterlight enclosures - Surface mounting IP65

Series New Eridano



The NEW ERIDANO IP65 boxes have a completely new and innovative shape, reaching the highest level of quality and design.

They are made from halogen free long-lasting thermoplastic materials ABS.

They have big space for wiring and also the possibility to place the DIN rail in two height positions. Mounting plates and other accessories can be installed on the base inside. Doors are transparent UV protected and the hinged opening goes up to 180°.

The four screws linking base and frame are sealable. As accessories there are earth and neutral bars in double height possible, section 12x6,5 mm. in order to reach 125A of permissible intensity.

Apart from the standard locking system, key-locks and triangle locks are also offered as accessories. Modular capacity from 4 up to 54 modules










Technical characteristics:

- Rated voltage: 1000V AC / 1500V DC
- Protection degree: IP65
- Total insulation: class II
- Resistance to impact: IK08
- Resistance to glow wire: 650°C glow wire test, ball pressure up to 70°C
- Working temperature: -25 / +40°C
- Auto-extinguishing degree: UB (UL94)
- Color: Grey RAL 7035
- Standards: CEI 60439-1, 60439-3






Number of modules	Max power dissipation *
4 modules	18,4W
6 modules	20,7W
8 modules	23,5W
12 modules	32,6W
18 modules	44,2W
24 modules	49,1W
36 modules (2 rows)	59,7W
36 modules (3 rows)	61,7W
54 modules	74,8W

* Wall mounting with 30°C over temperature

Waterlight enclosures - Surface mounting IP65

Waterlight enclosures - Series New Eridano							
	Code	Number of rows	Modules	Door	Dimensions (mm)	Pack	
	GHNE4PT	1	4	Transparent	166 x 231 x 133	1	
☐ IP65							
	GHNE6PT	1	6	Transparent	202 x 231 x 113	1	
☐ IP65							
	GHNE8PT	1	8	Transparent	238 x 231 x 118	1	
☐ IP65							
	GHNE12PT	1	12	Transparent	310 x 246 x 148	1	
☐ IP65							
	GHNE18PT	1	18	Transparent	418 x 286 x 148	1	
☐ IP65							
	GHNE24PT	2	24	Transparent	310 x 436 x 148	1	
☐ IP65							
	GHNE36PT2F	2	36	Transparent	418 x 436 x 148	1	
	GHNE36PT3F	3	36	Transparent	310 x 586 x 148	1	
☐ IP65							
	GHNE54PT	3	54	Transparent	418 x 586 x 148	1	
☐ IP65							

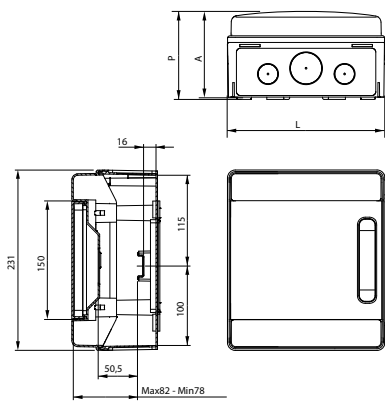
Waterlight enclosures - Surface mounting IP65

Accessories and spare parts - Series New Eridano					
	Description	Code	Reference number	Pack	
Key lock					
		GHE-K	92150	1	
Grey modules-cover lid					
	6 modules	GHE-FP	77590	1	
Optional insulating bar support					
	Optional insulating bar support + N+E 4+1 terminals for GHNE4PT - GHNE6PT	GHNE-4GN		1	
	Optional insulating bar support + N+E 8+1 terminals for GHNE8PT	GHNE-8GN		1	
	Optional insulating bar support + N+E 12+2 terminals for GHNE12PT	GHNE-12GN		1	
	Optional insulating bar support + N+E 16+2 terminals for GHNE18PT-GHNE24PT	GHNE-18GN		1	
	Optional insulating bar support + N+E 24+2 terminals for GHNE36PT2F/3F	GHNE-24GN		1	
	Optional insulating bar support + N+E 32+4 terminals for GHNE54PT	GHNE-32GN		1	
Transparent door (spare part)					
	For GHNE4PT	GHNE-PT4		1	
	For GHNE6PT	GHNE-PT6		1	
	For GHNE8PT	GHNE-PT8		1	
	For GHNE12PT	GHNE-PT12		1	
	For GHNE18PT	GHNE-PT18		1	
	For GHNE24PT	GHNE-PT24		1	
	For GHNE36PT2F	GHNE-PT362F		1	
	For GHNE36PT3F	GHNE-PT363F		1	
For GHNE54PT	GHNE-PT54		1		
Coupling kit					
		GHNE-KA		1	

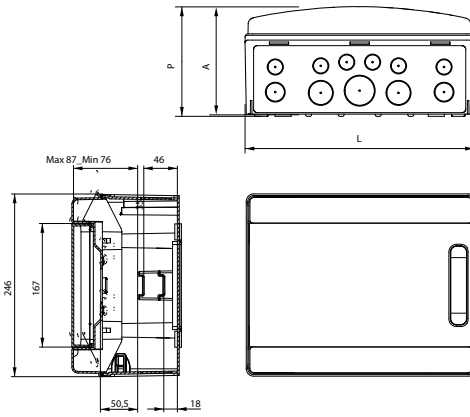
Waterlight enclosures - Surface mounting IP65

Dimensions - Series New Eridano

1 row

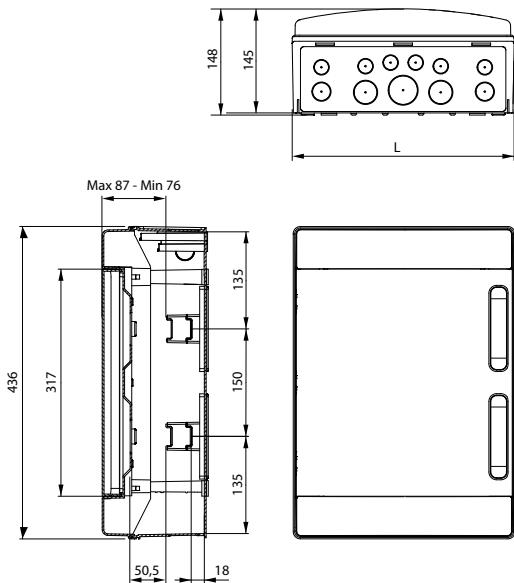


Type	L (mm)	P (mm)	A (mm)
1 row - 4 modules	166	113	110
1 row - 6 modules	202	113	110
1 row - 8 modules	238	118	115



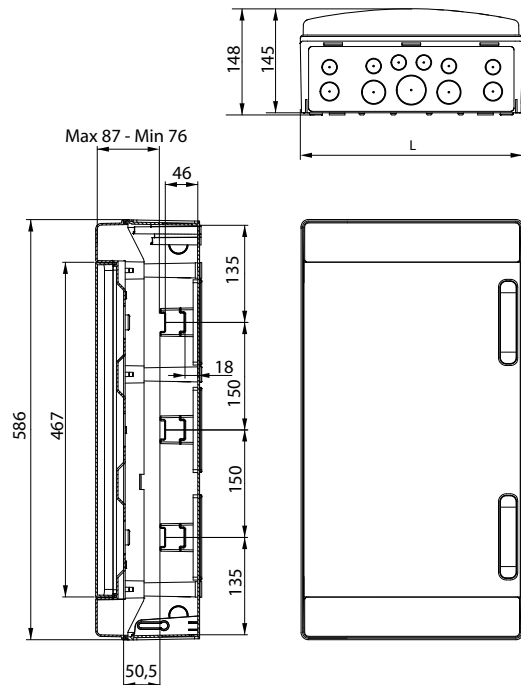
Type	L (mm)	P (mm)	A (mm)
1 row - 12 modules	310	148	145
1 row - 18 modules	418	148	145

2 rows



Type	L (mm)
2 rows - 24 modules	310
2 rows - 36 modules	418

3 rows



Type	L (mm)
3 rows - 36 modules	310
3 rows - 54 modules	418

Polyester boxes - Surface mounting IP66

Series IPA



Universal polyester boxes serie IPA are designed for industrial applications, public lightings and road, outdoor installations, corrosive environments, and they do not need any maintenance.

The boxes are watertight IP66, total insulated, made by reinforced polyester and they are available with plain door or transparent door, from 315x215mm to 1035x835mm dimensions.

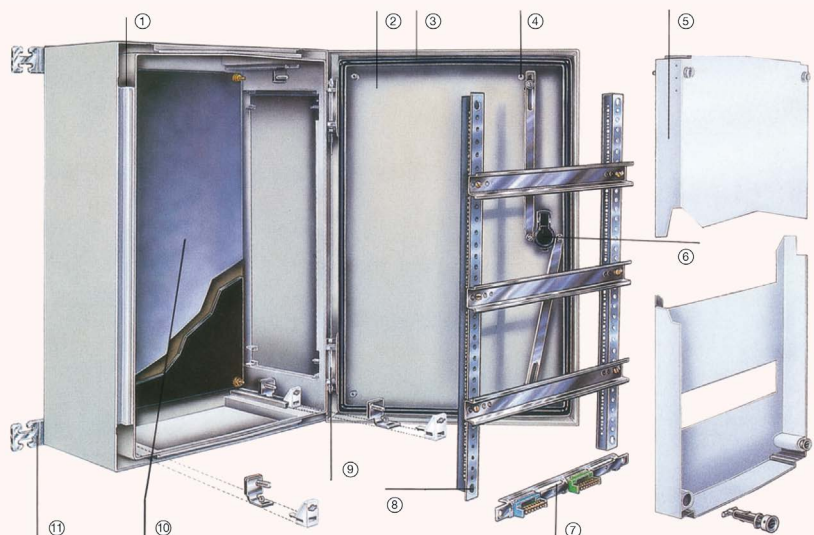
All enclosures can be equipped with metal or pertinax back plate, inner door, modular lids, mounting frame with DIN rows, key lock, ventilation accessories.

Technical characteristics:

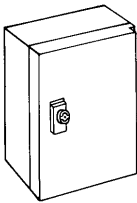
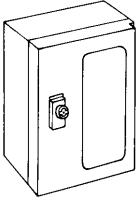
- Protection degree: IP66
- Total insulation: class II ☐
- Rated insulation voltage (Ui): 1000V
- Structure: hot moulded, glass fibre reinforced polyester, dyed in mass (25%), self extinguishing and halogen-free, cabinets are maintenance free and corrosion resistant
- Resistance to impact: IK10 with blind door, IK07 with transparent door
- Color: Grey RAL 7035
- Working temperature: -50 +70°C (150°C peak)
- Key lock: included (optional with key)
- Standards: EN 60439-1, EN60529, EN62208
- Approvals: for approvals ULand CSA ask to the company

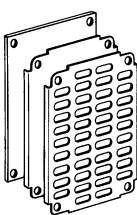
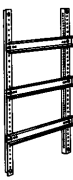
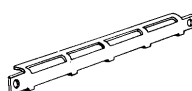


- ① Housing in one piece
- ② Removable door: left- or right-hand hinged
- ③ Slightly curved gasket-slot avoiding stagnant water
- ④ Fixing points at rear of door
- ⑤ Cover plate:
 - polyester RAL 7035
 - hinged
 - independent
 - reversible
 - sealable
 - with snap-on fixing
- ⑥ Three point closing system with one lock.
- ⑦ Independent rail for terminal blocks
- ⑧ Mounting frame
 - removable
 - predrilled
 - reinforced DIN-rails
- ⑨ Integrated hinges. Door opens 180°
- ⑩ Mounting plate
 - metal
 - pertinax
 - perforated
- ⑪ Direct wall fixing points or wall fixing lugs in synthetic material or stainless steel.

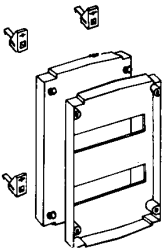













Cassette in poliestere da parete IP66




Cabinets							
	Type	Description	Dimensions			Reference number	
			Width	Height	Depth		
	IPA32	Cabinet IPA with blind door ☐ IP 66-9 with key lock	215 mm	315 mm	170 mm	831025	
	IPA43		315 mm	415 mm	170 mm	831035	
	IPA54		415 mm	515 mm	230 mm	831052	
	IPA64		415 mm	615 mm	230 mm	831065	
	IPA75		535 mm	735 mm	270 mm	831081	
	IPA86		635 mm	835 mm	300 mm	831098	
	IPA108		835 mm	1035 mm	300 mm	831112	
	IPA431	Cabinet IPA with transparent door ☐ IP 66-5 with key lock	315 mm	415 mm	170 mm	831128	
	IPA541		415 mm	515 mm	230 mm	831129	
	IPA641		415 mm	615 mm	230 mm	831130	
	IPA751		535 mm	735 mm	270 mm	831131	
	IPA861		635 mm	835 mm	300 mm	831132	
	IPA1081		835 mm	1035 mm	300 mm	831133	

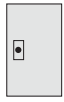

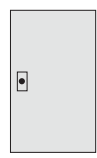
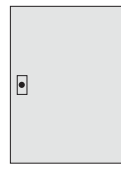
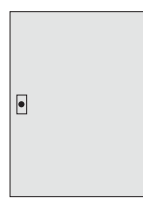



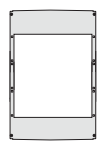
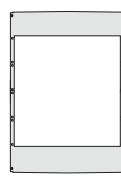
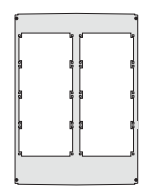
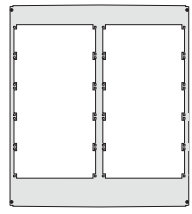












Accessories								
	Type	Description	Mounting on cabinet	Dimensions			Reference number	
				Width	Height	Depth		
	IPAMS32	Mounting plates in sendzimir zinc coated 2mm	IPA32	150 mm	250 mm	2 mm	831026	
	IPAMS43		IPA43	250 mm	350 mm	2 mm	831037	
	IPAMS54		IPA54	350 mm	450 mm	2 mm	831053	
	IPAMS64		IPA64	350 mm	550 mm	2 mm	831066	
	IPAMS75		IPA75	450 mm	650 mm	2 mm	831082	
	IPAMS86		IPA86	550 mm	750 mm	2 mm	831099	
	IPAMS108		IPA108	750 mm	950 mm	2 mm	831113	
	IPAM32	Mounting plates in Pertinax 5mm	IPA32	150 mm	250 mm	5 mm	831027	
	IPAM43		IPA43	250 mm	350 mm	5 mm	831038	
	IPAM54		IPA54	350 mm	450 mm	5 mm	831054	
	IPAM64		IPA64	350 mm	550 mm	5 mm	831067	
	IPAM75		IPA75	450 mm	650 mm	5 mm	831083	
	IPAM86		IPA86	550 mm	750 mm	5 mm	831100	
	IPAM108		IPA108	750 mm	950 mm	5 mm	831114	
	IPAML32	Mounting plates perforated sheet steel 1,5mm	IPA32	150 mm	250 mm	1,5 mm	831332	
	IPAML43		IPA43	250 mm	350 mm	1,5 mm	831333	
	IPAML54		IPA54	350 mm	450 mm	1,5 mm	831334	
	IPAML64		IPA64	350 mm	550 mm	1,5 mm	831335	
	IPAML75		IPA75	450 mm	650 mm	1,5 mm	831336	
	IPAML86		IPA86	550 mm	750 mm	1,5 mm	831337	
	IPAML108		IPA108	750 mm	950 mm	1,5 mm	831338	
	IPAMR32	Mounting frame 2 rows (12M)	IPA32				831030	
	IPAMR43	Mounting frame 2 rows (24M)	IPA43				831041	
	IPAMR54	Mounting frame 3 rows (54M)	IPA54				831057	
	IPAMR64	Mounting frame 3 rows (54M)	IPA64				831070	
	IPAMR75	Mounting frame 4 rows (88M)	IPA75				831086	
	IPAMR86	Mounting frame 4 rows (96M)	IPA86				831103	
	IPAMR108	Mounting frame 5 rows (180M)	IPA108				831117	
	IPATK2	Rails for terminals blocks	IPA32				831018	
	IPATK3	Rails for terminals blocks	IPA43				831019	
	IPATK4	Rails for terminals blocks	IPA54/64				831020	
	IPATK6	Rails for terminals blocks	IPA75				831021	
	IPATK7	Rails for terminals blocks	IPA86				831022	
	IPATK10	Rails for terminals blocks	IPA108				831023	

Polyester boxes - Surface mounting IP66

Accessories					
	Type	Description	Mounting on cabinet	Reference number	
	IPAA322	Full cover plate with cut-out for modular panel	2 file (12 moduli)	IPA32	831029
	IPAA432	Full cover plate with cut-out for modular panel	2 file (24 moduli)	IPA43	831040
	IPAA543	Full cover plate with cut-out for modular panel	3 file (54 moduli)	IPA54	831056
	IPAA643	Full cover plate with cut-out for modular panel	3 file (54 moduli)	IPA64	831069
	IPAA754	Full cover plate with cut-out for modular panel	4 file (88 moduli)	IPA75	831085
	IPAA864	Full cover plate with cut-out for modular panel	4 file (96 moduli)	IPA86	831102
	IPAA1085	Full cover plate with cut-out for modular panel	5 file (180 moduli)	IPA108	831116
	IPAA32	Full cover plate with cut-out for blind panel		IPA32	831028
	IPAA43	Full cover plate with cut-out for blind panel		IPA43	831039
	IPAA54	Full cover plate with cut-out for blind panel		IPA54	831055
	IPAA64	Full cover plate with cut-out for blind panel		IPA64	831068
	IPAA75	Full cover plate with cut-out for blind panel		IPA75	831084
	IPAA86	Full cover plate with cut-out for blind panel		IPA86	831101
	IPAA108	Full cover plate with cut-out for blind panel		IPA108	831115
	IPABV	Set fixing lugs	in stainless steel		831000
	IPABK	Set fixing lugs	in polyamide		831001
	IPAAS	Set hinge supports			831010
	IPAZBS	Set ventilation grids			831009
	IPAZBM4	Nuts	M4		831328
	IPAZBM5	Nuts	M5		831329
	IPAZBM6	Nuts	M6		831330
	IPADB	Double-bit lock core	 3mm		831008
	IPASVK	Square lock 8 mm	 8mm		831005
	IPASDK8	Triangular 8 lock core	 8mm		831006
	IPASDK11	Triangular 11 lock core	 11mm		831007
	IPAHG	Hnadle			831003
	IPAHGS	Handle for profile half cylinder			831004

Polyester boxes - Surface mounting IP66

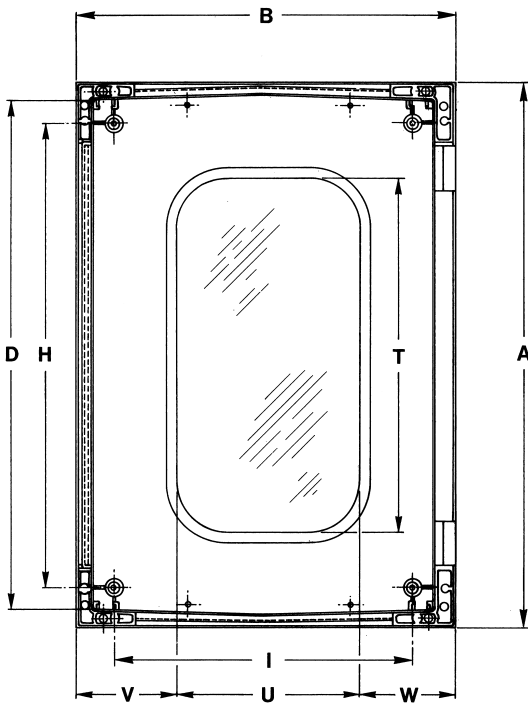
Accessories					
	Type	Description	Montaggio su cassetta	Riferimento interno	
	IPACM43	Cover plates for individuals modular panel	2 rows - 12 modules	IPA43	831790
	IPACM54	Cover plates for individuals modular panel	3 rows - 17 modules	IPA54	831791
	IPACM64	Cover plates for individuals modular panel	3 rows - 18 modules	IPA64	831792
	IPACM75	Cover plates for individuals modular panel	4 rows - 22 modules	IPA75	831793
	IPACM86	Cover plates for individuals modular panel	4 rows x 2 - 12 modules	IPA86	831794
	IPACM108	Cover plates for individuals modular panel	5 rows x 2 - 18 modules	IPA108	831795
	IPAPC43/86	Blind panel H = 150mm		IPA43	831797
	IPAPC54	Blind panel H = 150mm		IPA54	831799
	IPAPC64/108	Blind panel H = 150mm		IPA64	831801
	IPAPC75	Blind panel H = 150mm		IPA75	831803
	IPAPC43/86	Blind panel H = 150mm		IPA86	831797
	IPAPC64/108	Blind panel H = 150mm		IPA108	831801
	IPAPM43/86	Modular panel H = 150mm	12 modules	IPA43	831796
	IPAPM54	Modular panel H = 150mm	17 modules	IPA54	831798
	IPAPM64/108	Modular panel H = 150mm	18 modules	IPA64	831800
	IPAPM75	Modular panel H = 150mm	22 modules	IPA75	831802
	IPAPM43/86	Modular panel H = 150mm	12 modules	IPA86	831796
	IPAPM64/108	Modular panel H = 150mm	18 modules	IPA108	831800

Combinations					
IPA43 (L x H x P)	IPA54 (L x H x P)	IPA64 (L x H x P)	IPA75 (L x H x P)	IPA86 (L x H x P)	IPA108 (L x H x P)
315 x 415 x 170mm 	415 x 515 x 230mm 	415 x 615 x 230mm 	535 x 735 x 270mm 	635 x 835 x 300mm 	835 x 1035 x 300mm 
IPACM43	IPACM54	IPACM64	IPACM75	IPACM86	IPACM108
2 rows - 12 modules 	3 rows - 17 modules 	3 rows - 18 modules 	4 rows - 22 modules 	4 rows x 2 - 12 modules 	5 rows x 2 - 18 modules 
2 x IPAPC43/86 Blind panel 239 x 150mm 	3 x IPAPC54 Blind panel 343 x 150mm 	3 x IPAPC64/108 Blind panel 343 x 150mm 	4 x IPAPC75 Blind panel 423 x 150mm 	8 x IPAPC43/86 Blind panel 239 x 150mm 	10 x IPAPC64/108 Blind panel 343 x 150mm 
2 x IPAPM43/86 Modular panel 239 x 150mm 12 modules 	3 x IPAPM54 Modular panel 343 x 150mm 17 modules 	3 x IPAPM64/108 Modular panel 343 x 150mm 18 modules 	4 x IPAPM75 Modular panel 423 x 150mm 22 modules 	8 x IPAPM43/86 Modular panel 239 x 150mm 12 modules 	10 x IPAPM64/108 Modular panel 343 x 150mm 18 modules 

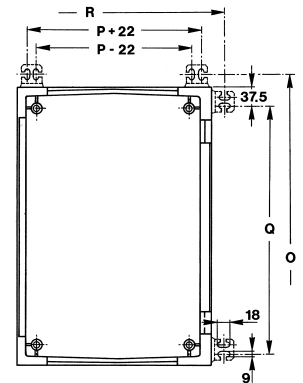
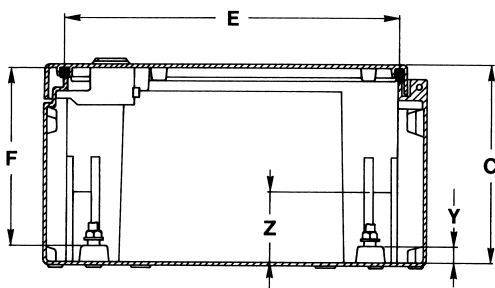
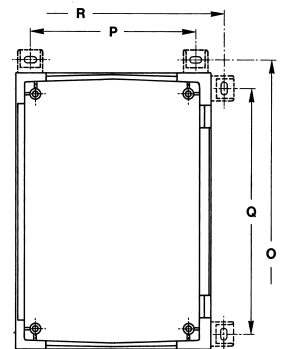
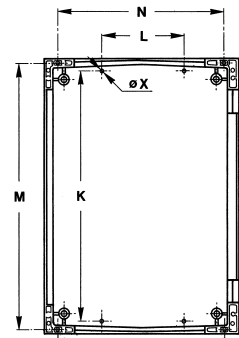
Polyester boxes - Surface mounting IP66

Dimensions - Series IPA

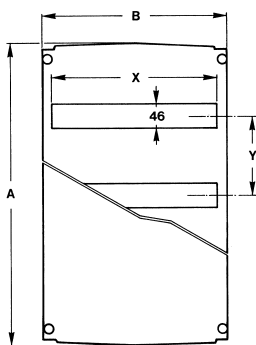
Cabinets



IPA	32	43	54	64	75	86	108
A	315	415	515	615	735	835	1035
B	215	315	415	415	535	635	835
C	170	170	230	230	270	300	300
D	275	375	475	575	675	775	975
E	170	270	370	370	470	570	770
F	148	148	206	206	246	276	276
H	225	325	425	525	625	725	925
I	125	225	325	325	425	525	725
K	275	375	475	575	675	775	975
L	70	150	200	200	300	400	600
M	295	395	495	595	-	-	-
N	155	255	355	355	-	-	-
O	362	462	562	662	782	882	1082
P	162	262	362	362	482	582	782
Q	262	362	462	562	682	782	982
R	262	362	462	462	582	682	882
T	-	280	380	480	580	680	880
U	-	130	230	230	330	430	630
V	-	114	114	114	124	124	124
W	-	69	69	69	79	79	79
X	6	6	6	6	9	9	9
Y	14	14	15,5	15,5	15,5	15,5	15,5
Z	28	25	88	88	118	148	148

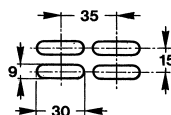
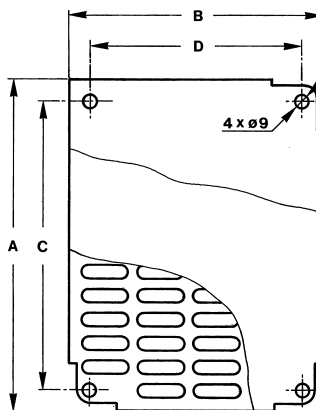


Panels



IPA	32	43	54	64	75	86	108
File	2	2	3	3	4	4	5
A	279	379	479	579	690	790	990
B	162	262	362	362	462	562	762
X	108	216	324	324	396	2x216	2x324
Y	125	150	150	150	150	150	150

Mounting plates



IPA	32	43	54	64	75	86	108
A	250	350	450	550	650	750	950
B	150	250	350	350	450	550	750
C	225	325	425	525	625	725	925
D	125	225	325	325	425	525	725

Polyester boxes - Surface mounting IP66

Temperature rise (Kelvin) - Surface mounting														
Power dissipation (W)	IPA32		IPA43		IPA54		IPA64		IPA75		IPA86		IPA108	
	Half	Top	Half	Top	Half	Top	Half	Top	Half	Top	Half	Top	Half	Top
10	12	15	8	10	6	7	5	6	4	5	3	4	2	3
20	21	26	15	18	10	12	9	11	7	9	6	7	4	5
30	30	36	20	25	14	17	12	15	10	12	8	10	5	7
40	37	46	26	32	17	21	15	19	12	15	10	13	7	9
50	45	55	31	38	21	25	18	22	15	18	12	15	8	11
60			36	44	24	29	21	26	17	21	13	18	9	13
70			41	49	27	33	24	29	19	24	15	20	11	14
80			45	55	30	36	27	33	21	26	17	23	12	16
90					33	40	29	36	23	29	18	25	13	18
100					36	44	32	39	26	31	20	27	14	19
110					39	47	34	42	28	34	22	29	15	21
120					42	50	37	45	30	36	23	31	16	22
130							39	49	32	39	25	33	17	24
140							42	51	33	41	26	35	19	25
150									35	43	28	37	20	26
160									37	46	29	39	21	28
170									39	48	31	41	22	29
180									41	50	32	43	23	31
190											34	45	24	32
200											35	47	25	33
210											37	49	26	35
220											38	51	27	36
230													28	37
240													29	39
250													30	40
260													31	41
270													31	42
280													32	44
290													33	45
300													34	46
310													35	47
320													36	49
330													37	50

Temperature rise (Kelvin) - Front, left and upperside free														
Power dissipation (W)	IPA32		IPA43		IPA54		IPA64		IPA75		IPA86		IPA108	
	Half	Top	Half	Top	Half	Top	Half	Top	Half	Top	Half	Top	Half	Top
10	15	19	11	13	7	9	6	8	5	6	4	5	3	4
20	27	33	19	23	12	15	1	14	8	10	7	8	5	6
30	37	46	26	32	17	21	15	19	11	14	10	12	7	9
40	47	57	33	40	22	26	19	24	14	18	12	15	9	11
50			39	48	26	32	23	28	17	21	14	18	10	14
60			45	56	30	37	27	33	20	24	17	21	12	16
70					34	41	30	37	23	28	19	23	13	18
80					38	46	33	41	25	31	21	26	15	20
90					42	51	37	45	28	34	23	28	16	22
100							40	49	30	37	25	31	18	24
110									32	40	27	33	19	26
120									35	43	29	36	21	27
130									37	45	31	38	22	29
140									39	48	33	41	23	31
150									42	51	35	43	25	33
160											37	45	26	35
170											39	47	27	36
180											41	50	29	38
190													30	40
200													31	41
210													32	43
220													34	45
230													35	46
240													36	48
250													37	49
260													39	51
270														
280														
290														
300														
310														
320														
330														

Distribution panelboards - Surface flush fit mounting IP40 and IP55

Serie VIRGO



VIRGO Series of metal distribution cabinets has been developed and designed to fulfill an efficient and safe electrical installation where both, technical and aesthetic features are demanded.

Easy handling and improved working space are due to their flexibility and reduced number of fixing components. Therefore these cabinets are an excellent tool for any type of low voltage-electrical installation.

They are available in different versions depending on the use and installation requirements: Surface or flush-fit mounting with or without door, or watertight surface mounting IP55.

This new line of products is well complemented with a serie of accessories providing to the installer versatility and integral solutions to their needs.

Technical characteristics		
	Surface mounting	Flush-fit mounting
Rated voltage	415V	415V
Rated insulation voltage	1000V	1000V
Rated current	630A	250A
Protection degree	IP30 (without door) IP40, IP55 (with door)	- IP40 (with door)
Resistance to impact	EN50102 IK07 (without door) IK09 (with door)	IK07 (without door) IK09 (with door)
Working temperature	-25... +40°C	-25... +40°C
Rated short-time withstand current I _{cw}	20kA x 1s *	20kA x 1s *
Structure	Cold-laminated steel plate coated according to EN1030	Cold-laminated steel plate coated according to EN1030
Painting	Hardened epoxy-polyester paint	Hardened epoxy-polyester paint
Color	RAL 9003	RAL 9003
Standards	Conform directive 2009/95CE EN61439	Conform directive 2009/95CE EN61439

* dipende dai sistemi sbarre usati

Modules configuration chart					
Initial number of modules	Internal height (mm)	Modular lids Hp=200mm	Modular lids Hp=150mm	Blind lids Hp=50mm	Total number of modules
48	450	2	-	1	24
48	450	-	3	-	72
72	650	3	-	1	72
72	650	-	4	1	96
96	850	4	-	1	96
96	850	-	5	2	120
120	1050	5	-	1	120
120	1050	2	4	1	144
120	1050	-	7	-	168
144	1250	6	-	1	144
144	1250	4	3	-	168
144	1250	3	4	1	168
144	1250	-	8	1	192

Distribution panelboards - Surface flush fit mounting IP40 and IP55

Mounting kit



Reversible & hinged protection lids



Quick mounting of cable-entry panel



Door hinge can be also used as door locker



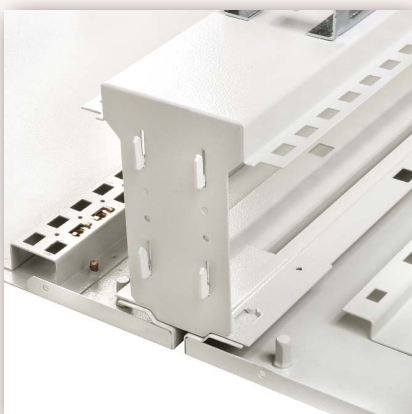
Clipped-on mounting system of Omega Rail



Two fastening positions for horizontal trunking for separation between DIN rails of 150 or 200 mm



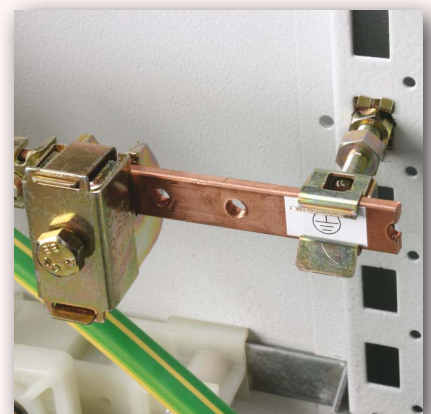
Possibility to join IP40 surface enclosures



Easy joining system between lateral and base of board



Vano cavi laterale o centrale



Earthing kit composition: 12x4 cooper bar, 2 supports and 20 double cable-entry connectors


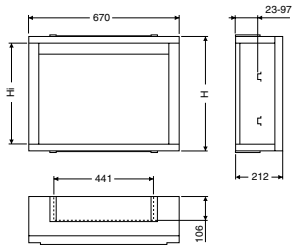
Distribution panelboards - Surface flush fit mounting IP40 and IP55





Distribution panelboards GVK compact with modular lids									
	Code	Number of rows h=200mm	Number of modules	Door	H (mm)	Hi (mm)	Hu (mm)		
Flush-fit mounting IP40									
	GVK4IC-48	2	48	Blind	597	450	520		
	GVK4IT-48	2	48	Transparent	597	450	520		
	GVK4IC-72	3	72	Blind	797	650	720		
	GVK4IT-72	3	72	Transparent	797	650	720		
	GVK4IC-96	4	96	Blind	997	850	920		
	GVK4IT-96	4	96	Transparent	997	850	920		
	GVK4IC-120	5	120	Blind	1197	1050	1120		
	GVK4IT-120	5	120	Transparent	1197	1050	1120		
	GVK4IC-144	6	144	Blind	1397	1250	1320		
	GVK4IT-144	6	144	Transparent	1397	1250	1320		
	Includes structure, transparent or blind door, 200 mm lids and DIN Rail + fixing accessories kit + 50mm blind lid								
	Surface mounting IP40								
	GVK4PC-48	2	48	Blind	510	450			
	GVK4PT-48	2	48	Transparent	510	450			
	GVK4PC-72	3	72	Blind	710	650			
	GVK4PT-72	3	72	Transparent	710	650			
	GVK4PC-96	4	96	Blind	910	850			
	GVK4PT-96	4	96	Transparent	910	850			
	GVK4PC-120	5	120	Blind	1110	1050			
	GVK4PT-120	5	120	Transparent	1110	1050			
	GVK4PC-144	6	144	Blind	1310	1250			
	GVK4PT-144	6	144	Transparent	1310	1250			
	Includes structure, transparent or blind door, 200 mm lids and DIN Rail + fixing accessories kit + 50mm blind lid								
	Surface mounting IP55								
	GVK5PC-48	2	48	Blind	510	450			
	GVK5PT-48	2	48	Transparent	510	450			
	GVK5PC-72	3	72	Blind	710	650			
	GVK5PT-72	3	72	Transparent	710	650			
	GVK5PC-96	4	96	Blind	910	850			
	GVK5PT-96	4	96	Transparent	910	850			
	GVK5PC-120	5	120	Blind	1110	1050			
	GVK5PT-120	5	120	Transparent	1110	1050			
	GVK5PC-144	6	144	Blind	1310	1250			
	GVK5PT-144	6	144	Transparent	1310	1250			
	Includes structure, transparent or blind door, 200 mm lids and DIN Rail + fixing accessories kit + 50mm blind lid								

Distribution panelboards - Surface flush fit mounting IP40 and IP55




Distribution panelboards GV empty							
	Code	Number of rows h=200mm	Door	H (mm)	Hi (mm)	Hu (mm)	
Flush-fit mounting IP40							
	GV4IC-48	48/72	Blind	597	450	520	
	GV4IT-48	48/72	Transparent	597	450	520	
	GV4IC-72	72/96	Blind	797	650	720	
	GV4IT-72	72/96	Transparent	797	650	720	
	GV4IC-96	96/120	Blind	997	850	920	
	GV4IT-96	96/120	Transparent	997	850	920	
	GV4IC-120	120/144	Blind	1197	1050	1120	
	GV4IT-120	120/144	Transparent	1197	1050	1120	
	GV4IC-144	144/192	Blind	1397	1250	1320	
	GV4IT-144	144/192	Transparent	1397	1250	1320	
Includes structure, transparent or blind door, 200 mm lids and DIN Rail + fixing accessories kit + 50mm blind lid							
Surface mounting IP40							
	GV4PC-48	48/72	Blind	510	450		
	GV4PT-48	48/72	Transparent	510	450		
	GV4PC-72	72/96	Blind	710	650		
	GV4PT-72	72/96	Transparent	710	650		
	GV4PC-96	96/120	Blind	910	850		
	GV4PT-96	96/120	Transparent	910	850		
	GV4PC-120	120/144	Blind	1110	1050		
	GV4PT-120	120/144	Transparent	1110	1050		
	GV4PC-144	144/192	Blind	1310	1250		
	GV4PT-144	144/192	Transparent	1310	1250		
Includes structure, transparent or blind door, 200 mm lids and DIN Rail + fixing accessories kit + 50mm blind lid							
Surface mounting IP55							
	GV5PC-48	48/72	Blind	510	450		
	GV5PT-48	48/72	Transparent	510	450		
	GV5PC-72	72/96	Blind	710	650		
	GV5PT-72	72/96	Transparent	710	650		
	GV5PC-96	96/120	Blind	910	850		
	GV5PT-96	96/120	Transparent	910	850		
	GV5PC-120	120/144	Blind	1110	1050		
	GV5PT-120	120/144	Transparent	1110	1050		
	GV5PC-144	144/192	Blind	1310	1250		
	GV5PT-144	144/192	Transparent	1310	1250		
Includes structure, transparent or blind door, 200 mm lids and DIN Rail + fixing accessories kit + 50mm blind lid							




Distribution panelboards - Surface flush fit mounting IP40 and IP55

Distribution panelboards GV4P empty		(accessorised)					
	Code	Number of modules	Door	H (mm)	Hi (mm)		
Armadi da parete IP30							
 	GV4P-96	96/120	Without door	910	850		
	GV4P-120	120/144	Without door	1110	1050		
	GV4P-144	144/192	Without door	1310	1250		
Includes structure, fixing accessories kit							













Auxiliary module for GV4P		Code	Description	L x P (mm)	H (mm)		
Lateral auxiliary module IP40							
	GVRL-96	96 modules		350 x 212	910		
	GVRL-120	120 modules		350 x 212	1110		
	GVRL-144	144 modules		350 x 212	1310		
To complete add joining element							
Mounting plate							
	GVPP-96	96 modules		350 x 212	910		
	GVPP-120	120 modules		350 x 212	1110		
	GVPP-144	144 modules		350 x 212	1310		
Joining element							
	GVEE-48	48 modules					
	GVEE-72	72 modules					
	GVEE-96	96 modules					
	GVEE-120	120 modules					
	GVEE-144	144 modules					
	GVJE	Flush fit mounting (2 pieces)					

Distribution panelboards - Surface flush fit mounting IP40 and IP55



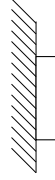

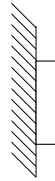
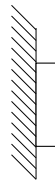
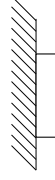
Accessories - Blind and transparent doors								
	Code	Number of rows	Number of modules	Door	L (mm)	H (mm)		
	Doors for IP40 flush-fit (spare part)							
	GVC4-I48	2	48	Blind	737	520		
	GVT4-I48	2	48	Transparent	737	520		
	GVC4-I72	3	72	Blind	737	720		
	GVT4-I72	3	72	Transparent	737	720		
	GVC4-I96	4	96	Blind	737	920		
	GVT4-I96	4	96	Transparent	737	920		
	GVC4-I120	5	120	Blind	737	1120		
	GVT4-I120	5	120	Transparent	737	1120		
	GVC4-I144	6	144	Blind	737	1320		
	GVT4-I144	6	144	Transparent	737	1320		
		Doors for IP40 surface (to complete GV4P)						
		GVC4-P48	2	48	Blind	670	510	
		GVT4-P48	2	48	Transparent	670	510	
GVC4-P72		3	72	Blind	670	710		
GVT4-P72		3	72	Transparent	670	710		
GVC4-P96		4	96	Blind	670	910		
GVT4-P96		4	96	Transparent	670	910		
GVC4-P120		5	120	Blind	670	1110		
GVT4-P120		5	120	Transparent	670	1110		
GVC4-P144		6	144	Blind	670	1310		
GVT4-P144		6	144	Transparent	670	1310		
		Doors for IP55 surface (spare part)						
		GVC5-P48	2	48	Blind	670	510	
		GVT5-P48	2	48	Transparent	670	510	
	GVC5-P72	3	72	Blind	670	710		
	GVT5-P72	3	72	Transparent	670	710		
	GVC5-P96	4	96	Blind	670	910		
	GVT5-P96	4	96	Transparent	670	910		
	GVC5-P120	5	120	Blind	670	1110		
	GVT5-P120	5	120	Transparent	670	1110		
	GVC5-P144	6	144	Blind	670	1310		
	GVT5-P144	6	144	Transparent	670	1310		

Accessories - Lids							
	Code	Number of rows	Number of modules	Description	Hp (mm)		
	Modular lids						
	GVDM150	1	24		150		
	GVDM200	1	24		200		
	Blind lids						
	GVD50				50		
	GVD150				150		
	GVD200				200		
	Kit 24 modules din RAiL + fixing accessories						
	GVDIN	1	24	Surface mounting			
	GVDIN-I	1	24	Flush-fit mounting			

Distribution panelboards - Surface flush fit mounting IP40 and IP55

Accessories		
	Code	Description
Earthing kit		
	GVTT	20 terminals
Protection screen		
	GVPP-L	600 x 150 x 4mm
Metallic plate		
	GVPM3	300mm flat
	GVPM4	450mm flat
	GVPM6	600mm flat
	GVPF3	300mm slotted
	GVPF4	450mm slotted
	GVPF6	600mm slotted
Wall mounting support		
	GVSFPA	
Lockers		
	GVHP	Security lock with key (surface boards)
	GVHI	Security lock with key (flush-fit boards)
  	GVMCCI	1/4 turning lock with wing nut (flush-fit boards) (a)
	GVMCCP	1/4 turning lock with wing nut (surface boards) (b)
	GVMSCP	1/4 turning lock without wing nut (surface boards) (c)
Cover lid		
	GVFP6	6 modules
	GVFP1	1 meter
Supporti per canaline		
	GUSVO	Horizontal trunking support (2 pieces)
	GUSCV	Vertical trunking support (4 pieces)

Distribution panelboards - Surface flush fit mounting IP40 and IP55

Power dissipation							
Code	Position	Door	Number of modules	Dimensions			Power dissipation (W) overtemperature 30°C
				Width (mm)	Height (mm)	Depth (mm)	
Flush-fit borad IP40							
GV4IC-48, GVK4IC-48		Blind	48	737	597	120	102
GV4IC-72, GVK4IC-72		Blind	72	737	797	120	108
GV4IC-96, GVK4IC-96		Blind	96	737	997	120	129
GV4IC-120, GVK4IC-120		Blind	120	737	1197	120	141
GV4IC-144, GVK4IC-144		Blind	144	737	1397	120	167
GV4IT-48, GVK4IT-48		Transparent	48	737	597	120	102
GV4IT-72, GVK4IT-72		Transparent	72	737	797	120	108
GV4IT-96, GVK4IT-96		Transparent	96	737	997	120	129
GV4IT-120, GVK4IT-120		Transparent	120	737	1197	120	141
GV4IT-144, GVK4IT-144		Transparent	144	737	1397	120	167
Surface board IP30							
GV4P-48		Without door	48	670	510	212	133
GV4P-72		Without door	72	670	710	212	142
GV4P-96		Without door	96	670	910	212	159
GV4P-120		Without door	120	670	1110	212	178
GV4P-144		Without door	144	670	1310	212	207
Surface board IP40							
GV4PC-48, GVK4PC-48		Blind	48	670	510	212	108
GV4PC-72, GVK4PC-48		Blind	72	670	710	212	116
GV4PC-96, GVK4PC-48		Blind	96	670	910	212	135
GV4PC-120, GVK4PC-48		Blind	120	670	1110	212	148
GV4PC-144, GVK4PC-144		Blind	144	670	1310	212	170
GV4PT-48, GVK4PT-48		Transparent	48	670	510	212	108
GV4PT-72, GVK4PT-48		Transparent	72	670	710	212	116
GV4PT-96, GVK4PT-48		Transparent	96	670	910	212	135
GV4PT-120, GVK4PT-48		Transparent	120	670	1110	212	148
GV4PT-144, GVK4PT-144		Transparent	144	670	1310	212	170
Surface board IP55							
GV5PC-48, GVK5PC-48		Blind	48	670	510	212	90
GV5PC-72, GVK5PC-72		Blind	72	670	710	212	111
GV5PC-96, GVK5PC-96		Blind	96	670	910	212	127
GV5PC-120, GVK5PC-120		Blind	120	670	1110	212	144
GV5PC-144, GVK5PC-144		Blind	144	670	1310	212	158
GV5PT-48, GVK5PT-48		Transparent	48	670	510	212	90
GV5PT-72, GVK5PT-72		Transparent	72	670	710	212	111
GV5PT-96, GVK5PT-96		Transparent	96	670	910	212	127
GV5PT-120, GVK5PT-120		Transparent	120	670	1110	212	144
GV5PT-144, GVK5PT-144		Transparent	144	670	1310	212	158

The table indicates the value of the max power dissipation from the structure, for overtemperature of 30°C

Metal boxes - Surface mounting IP66

Series SGP and SGPT



The SGP Series is a group of mild steel and stainless steel enclosures used to house on the inside electrical or electronic switchgear, controlgear and equipment necessary to supply and distribute electricity.

Mainly meant for industrial electrical installations as enclosures for measurement, transmission, signposting control equipment or enclosures for all the equipment necessary to coordinate the different electrical currents. The SGP is made up of a wide range of standard models, manufactured in opaque door version.

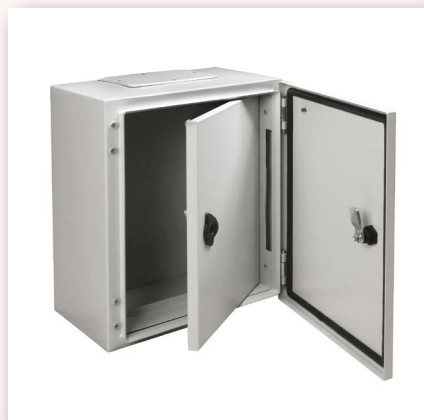
The design and manufacture of this product line is flexible enough so as to adapt to special executions that require specific dimensions in agreement with user and installation requirements. Enclosures made with high quality materials in cold-rolled steel plate of up to 2 mm

thick and coated with RAL 7035 hardened epoxy-polyester paint and in stainless steel glazed finished.





This series is completed with a set of accessories like mounting plates, inner doors, canopies, elevation eyebolts, ventilation systems, etc.

Technical characteristics:

- Degree protection: IP66 (IP55 for boards with double door)
- Structure: cold-rolled steel plate 20/10
- Resistance to impact: IK10
- Painting: hardened epoxy-polyester
- Color: Grey RAL 7035
- Maximum operation voltage (Ui) 1000V
- Cables entries: cable-entry panel removable from the top
- Approvals:



Metal boxes - Surface mounting IP66

Series SGP with blind door								
	Description	Dimensions L x H x P (mm)	Cable entries L x P (mm)	Number of locks	Number oh hinges	Code		
		200 x 250 x 150	150 x 80	1	2	SGP2025.15		
		250 x 250 x 150	150 x 80	1	2	SGP2525.15		
		200 x 300 x 150	150 x 80	1	2	SGP2030.15		
		250 x 300 x 150	150 x 80	1	2	SGP2530.15		
		250 x 300 x 200	150 x 80	1	2	SGP2530.20		
		300 x 300 x 150	200 x 80	1	2	SGP3030.15		
		300 x 300 x 200	230 x 140	1	2	SGP3030.20		
		400 x 300 x 200	300 x 140	1	2	SGP4030.20		
		300 x 400 x 150	200 x 80	1	2	SGP3040.15		
		300 x 400 x 200	230 x 140	1	2	SGP3040.20		
		400 x 400 x 150	300 x 80	1	2	SGP4040.15		
		400 x 400 x 200	300 x 140	1	2	SGP4040.20		
	600 x 400 x 200	500 x 140	1	2	SGP6040.20			
	600 x 400 x 250	500 x 140	1	2	SGP6040.25			
	600 x 400 x 300	500 x 140	1	2	SGP6040.30			
		300 x 500 x 150	200 x 80	2	2	SGP3050.15		
		300 x 500 x 200	230 x 140	2	2	SGP3050.20		
		400 x 500 x 150	300 x 80	2	2	SGP4050.15		
		400 x 500 x 200	300 x 140	2	2	SGP4050.20		
		400 x 500 x 250	500 x 140	2	2	SGP4050.25		
		500 x 500 x 150	300 x 80	2	2	SGP5050.15		
		500 x 500 x 200	400 x 140	2	2	SGP5050.20		
		500 x 500 x 250	400 x 140	2	2	SGP5050.25		
		500 x 500 x 300	400 x 140	2	2	SGP5050.30		
		400 x 600 x 150	300 x 80	2	2	SGP4060.15		
		400 x 600 x 200	300 x 140	2	2	SGP4060.20		
		400 x 600 x 250	300 x 140	2	2	SGP4060.25		
		400 x 600 x 300	300 x 140	2	2	SGP4060.30		
		500 x 600 x 150	300 x 80	2	2	SGP5060.15		
		500 x 600 x 200	400 x 140	2	2	SGP5060.20		
		500 x 600 x 250	400 x 140	2	2	SGP5060.25		
		500 x 600 x 300	400 x 140	2	2	SGP5060.30		
		600 x 600 x 200	500 x 140	2	2	SGP6060.20		
		600 x 600 x 250	500 x 140	2	2	SGP6060.25		
		600 x 600 x 300	500 x 140	2	2	SGP6060.30		
	800 x 600 x 300	700 x 140	2	2	SGP8060.30			
	500 x 700 x 150	300 x 80	2	2	SGP5070.15			
	500 x 700 x 200	400 x 140	2	2	SGP5070.20			
	500 x 700 x 250	400 x 140	2	2	SGP5070.25			
		400 x 800 x 200	300 x 140	2	3	SGP4080.20		
		400 x 800 x 250	300 x 140	2	3	SGP4080.25		
		600 x 800 x 200	500 x 140	2	3	SGP6080.20		
		600 x 800 x 250	500 x 140	2	3	SGP6080.25		
		600 x 800 x 300	500 x 140	2	3	SGP6080.30		
		800 x 800 x 200	700 x 140	2	3	SGP8080.20		
		800 x 800 x 250	700 x 140	2	3	SGP8080.25		
		800 x 800 x 300	700 x 140	2	3	SGP8080.30		
		800 x 800 x 400	700 x 140	2	3	SGP8080.40		
		1000 x 800 x 300	900 x 140	2	3	SGP10080.30		
		600 x 1000 x 250	500 x 140	1 / 3 points	3	SGP60100.25		
		600 x 1000 x 300	500 x 140	2 / 3 points	3	SGP60100.30		
		600 x 1000 x 400	500 x 140	1 / 3 points	3	SGP60100.40		
		800 x 1000 x 250	700 x 140	1 / 3 points	3	SGP80100.25		
		800 x 1000 x 300	700 x 140	1 / 3 points	3	SGP80100.30		
		800 x 1000 x 400	700 x 140	1 / 3 points	3	SGP80100.40		
		1000 x 1000 x 300	900 x 140	1 / 3 points	3	SGP100100.30		
		Double door IP55	1000 x 1000 x 300	900 x 140	1 / 3 points	3	SGP100100.30DP	
	Double door IP55	1000 x 1000 x 400	900 x 140	1 / 3 points	3	SGP100100.40DP		
		600 x 1200 x 250	500 x 140	1 / 3 points	3	SGP60120.25		
		600 x 1200 x 300	500 x 140	1 / 3 points	3	SGP60120.30		
		800 x 1200 x 300	700 x 140	1 / 3 points	3	SGP80120.30		
		800 x 1200 x 400	700 x 140	1 / 3 points	3	SGP80120.40		
		1000 x 1200 x 300	900 x 140	1 / 3 points	3	SGP100120.30		
		Double door IP55	1000 x 1200 x 300	900 x 140	1 / 3 points	3	SGP100120.30DP	
		Double door IP55	1000 x 1200 x 400	900 x 140	1 / 3 points	3	SGP100120.40DP	
		1200 x 1200 x 250	2 x (500 x 140)	1 / 3 points	3	SGP120120.25		
		Double door IP55	1000 x 1400 x 300	900 x 140	1 / 3 points	3	SGP100140.30DP	
		Double door IP55	1000 x 1400 x 400	900 x 140	1 / 3 points	3	SGP100140.40DP	

Metal boxes - Surface mounting IP66

Accessories - Series SGP					
	Description	Dimensions (mm)	Number of modules	Number of rows	Code
Modular chassis					
	Mounting on:	250x300x150/200	16	2 x 8	SGP-M2530.1520
		300 x 400 x 150/200	33	3 x 11	SGP-M3040.1520
		400 x 500 x 150/200	48	3 x 16	SGP-M4050.1520
		400 x 500 x 250/300	48	3 x 16	SGP-M4050.2530
		400 x 600 x 150/200	64	4 x 16	SGP-M4060.1520
		400 x 600 x 250/300	64	4 x 16	SGP-M4060.2530
		600 x 600 x 150/200	104	4 x 26	SGP-M6060.1520
		600 x 600 x 250/300	104	4 x 26	SGP-M6060.2530
		500 x 700 x 150/200	110	5 x 22	SGP-M5070.1520
		500 x 700 x 250/300	110	5 x 22	SGP-M5070.2530
		600 x 800 x 150/200	128	4 x 26 + 1 x 24	SGP-M6080.1520
		600 x 800 x 250/300	128	4 x 26 + 1 x 24	SGP-M6080.2530
		800 x 800 x 150/200	190	5 x 38	SGP-M8080.1520
		800 x 800 x 250/300	190	5 x 38	SGP-M8080.2530
Plinth H=200mm					
		L x P: 600 x 250			SGP-Z6025
		600 x 300			SGP-Z6030
		600 x 400			SGP-Z6040
		800 x 250			SGP-Z8025
		800 x 300			SGP-Z8030
		800 x 400			SGP-Z8040
		1000 x 300			SGP-Z10030
		1000 x 400			SGP-Z10040
		1200 x 250			SGP-Z12025
	Inner door				
	Mounting on:	SGP2030.15	L x H: 250 x 150		SGP-PI2030
		SGP2530...	250 x 200		SGP-PI2530
		SGP3030...	250 x 250		SGP-PI3030
		SGP4030.20	250 x 350		SGP-PI4030
		SGP3040...	350 x 250		SGP-PI3040
		SGP4040...	350 x 350		SGP-PI4040
		SGP6040...	350 x 550		SGP-PI6040
		SGP3050...	450 x 250		SGP-PI3050
		SGP4050...	450 x 350		SGP-PI4050
		SGP5050...	450 x 450		SGP-PI5050
		SGP4060...	550 x 350		SGP-PI4060
		SGP5060...	550 x 450		SGP-PI5060
		SGP6060...	550 x 550		SGP-PI6060
		SGP8060.30	550 x 750		SGP-PI8060
		SGP5070...	650 x 450		SGP-PI5070
		SGP4080...	750 x 350		SGP-PI4080
		SGP6080...	750 x 550		SGP-PI6080
		SGP8080...	750 x 750		SGP-PI8080
		SGP10080.30	750 x 950		SGP-PI10080
		SGP60100...	950 x 550		SGP-PI60100
		SGP80100...	950 x 750		SGP-PI80100
		SGP100100...	950 x 950		SGP-PI100100
		SGP60120...	1150 x 550		SGP-PI60120
		SGP80120...	1150 x 750		SGP-PI80120
		SGP100120...	1150 x 950		SGP-PI100120
	SGP120120.25	1150 x 1150		SGP-PI120120	
	SGP100140...	950 x 1350		SGP-PI100140	
<p>Note: in order to achieve the correct installation of the Inner door is necessary to request the Height adjustment element SGP-SP... (see page 39)</p>					

Metal boxes - Surface mounting IP66

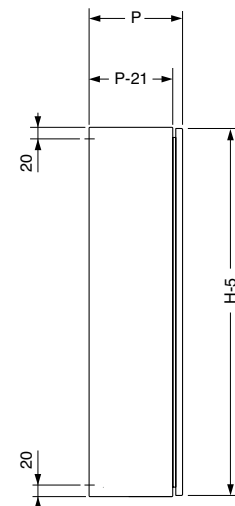
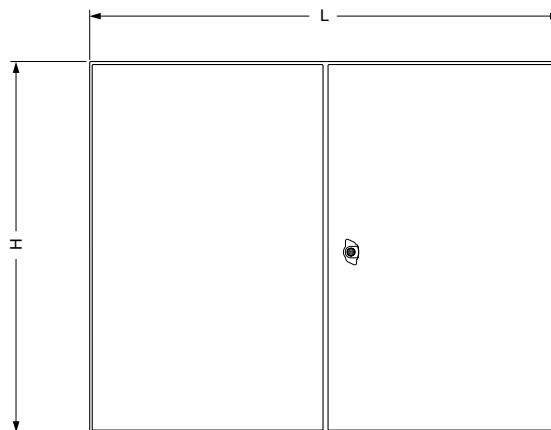
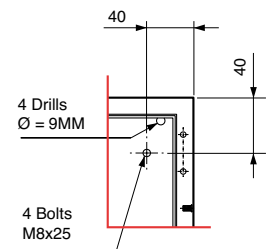
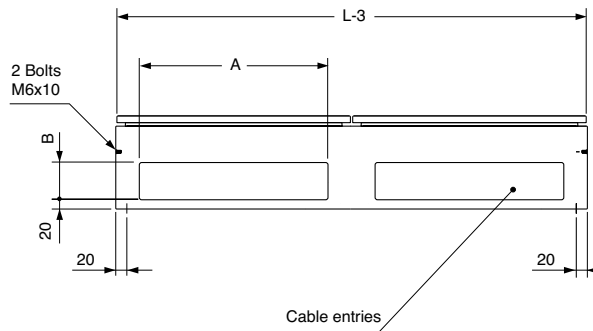
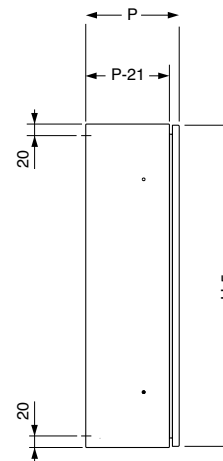
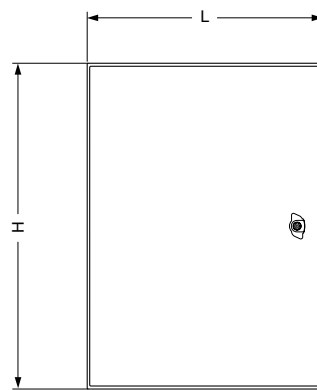
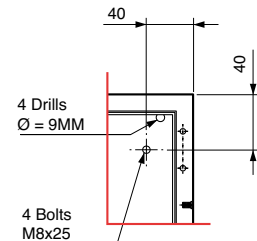
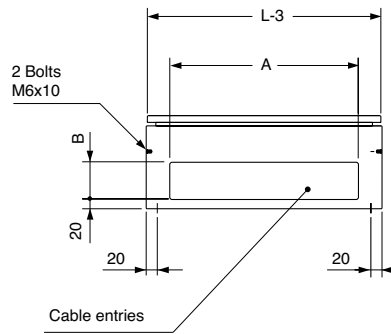
Accessories - Series SGP					
	Description	Dimensions (mm)		Code	
Height adjustment element					
	Assembly plate height adjustment element. The height can be adjusted every 12,5 mm each time	P: 150		SGP-SP150	
		P: 200		SGP-SP200	
		P: 250		SGP-SP250	
		P: 300		SGP-SP300	
		P: 400		SGP-SP400	
Wall support					
	4 pieces			SGP-WMS	
Lock					
	Normal key Key F-405 Key F-455 Key F-124E			SGP-K	
				SGP-K405	
				SGP-K455	
				SGP-K124	
Canopy					
	Mounting on:	SGP20...15	L x P: 210 x 174	SGP-TR2015	
		SGP25...15	260 x 174	SGP-TR2515	
		SGP25...20	260 x 224	SGP-TR2520	
		SGP30...15	310 x 174	SGP-TR3015	
		SGP30...20	310 x 224	SGP-TR3020	
		SGP40...15	410 x 174	SGP-TR4015	
		SGP40...20	410 x 224	SGP-TR4020	
		SGP40...25	410 x 274	SGP-TR4025	
		SGP40...30	410 x 324	SGP-TR4030	
		SGP50...15	510 x 174	SGP-TR5015	
		SGP50...20	510 x 224	SGP-TR5020	
		SGP50...25	510 x 274	SGP-TR5025	
		SGP50...30	510 x 324	SGP-TR5030	
		SGP60...20	610 x 224	SGP-TR6020	
		SGP60...25	610 x 274	SGP-TR6025	
		SGP60...30	610 x 324	SGP-TR6030	
		SGP60...40	610 x 424	SGP-TR6040	
		SGP80...20	810 x 224	SGP-TR8020	
		SGP80...25	810 x 274	SGP-TR8025	
		SGP80...30	810 x 324	SGP-TR8030	
		SGP80...60	810 x 624	SGP-TR8060	
	SGP90...30	910 x 309	SGP-TR9030		
	SGP100...30	1010 x 324	SGP-TR10030		
	SGP100...40	1100 x 424	SGP-TR10040		
	SGP120...25	1210 x 274	SGP-TR12025		
	SGP120...30	1210 x 324	SGP-TR12030		

Metal boxes - Surface mounting IP66

Dimensions - Series SGP

Single door	L (mm)	H (mm)	P (mm)	A (mm)	B (mm)
SGP2025.15	200	250	150	150	80
SGP2525.15	250	250	150	150	80
SGP2030.15	200	300	150	150	80
SGP2530.15	250	300	150	150	80
SGP2530.20	250	300	200	150	80
SGP3030.15	300	300	150	200	80
SGP3030.20	300	300	200	230	140
SGP4030.20	400	300	200	300	140
SGP3040.15	300	400	150	200	80
SGP3040.20	300	400	200	230	140
SGP4040.15	400	400	150	300	80
SGP4040.20	400	400	200	300	140
SGP6040.20	600	400	200	500	140
SGP6040.25	600	400	250	500	140
SGP6040.30	600	400	300	500	140
SGP3050.15	300	500	150	200	80
SGP3050.20	300	500	200	230	140
SGP4050.15	400	500	150	300	80
SGP4050.20	400	500	200	300	140
SGP4050.25	400	500	250	500	140
SGP5050.15	500	500	150	300	80
SGP5050.20	500	500	200	400	140
SGP5050.25	500	500	250	400	140
SGP5050.30	500	500	300	400	140
SGP4060.15	400	600	150	300	80
SGP4060.20	400	600	200	300	140
SGP4060.25	400	600	250	300	140
SGP4060.30	400	600	300	300	140
SGP5060.15	500	600	150	300	80
SGP5060.20	500	600	200	400	140
SGP5060.25	500	600	250	400	140
SGP5060.30	500	600	300	400	140
SGP6060.20	600	600	200	500	140
SGP6060.25	600	600	250	500	140
SGP6060.30	600	600	300	500	140
SGP8060.30	800	600	300	700	140
SGP5070.15	500	700	150	300	80
SGP5070.20	500	700	200	400	140
SGP5070.25	500	700	250	400	140
SGP4080.20	400	800	200	300	140
SGP4080.25	400	800	250	300	140
SGP6080.20	600	800	200	500	140
SGP6080.25	600	800	250	500	140
SGP6080.30	600	800	300	500	140
SGP8080.20	800	800	200	700	140
SGP8080.25	800	800	250	700	140
SGP8080.30	800	800	300	700	140
SGP8080.40	800	800	400	700	140
SGP10080.30	1000	800	300	900	140
SGP60100.25	600	1000	250	500	140
SGP60100.30	600	1000	300	500	140
SGP60100.40	600	1000	400	500	140
SGP80100.25	800	1000	250	700	140
SGP80100.30	800	1000	300	700	140
SGP80100.40	800	1000	400	700	140
SGP100100.30	1000	1000	300	900	140
SGP60120.25	600	1200	250	500	140
SGP60120.30	600	1200	300	500	140
SGP80120.30	800	1200	300	700	140
SGP80120.40	800	1200	400	700	140
SGP100120.30	1000	1200	300	900	140
SGP120120.25	1200	1200	250	500x2	140

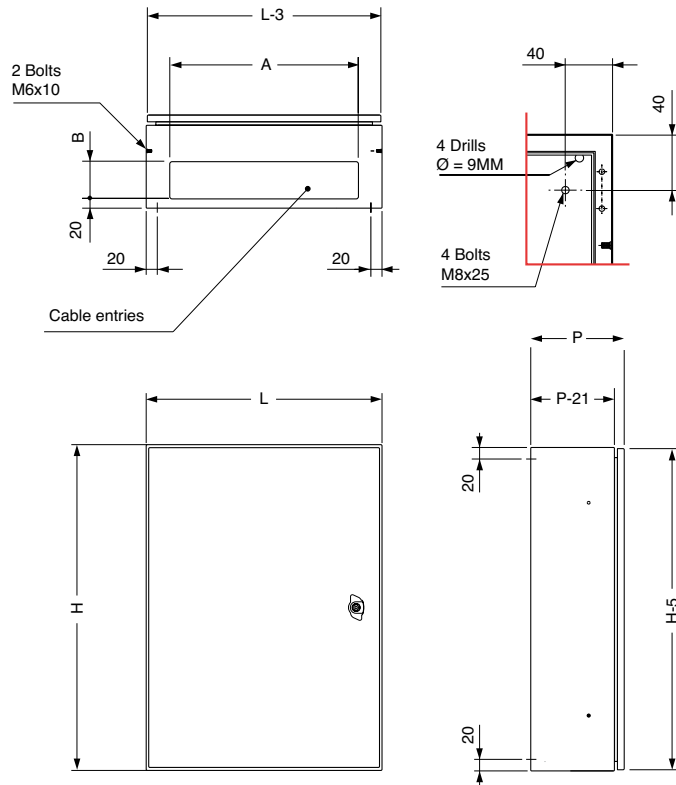
Double door	L (mm)	H (mm)	P (mm)	A (mm)	B (mm)
SGP100100.30DP	1000	1000	300	900	140
SGP100100.40DP	1000	1000	400	900	140
SGP100120.30DP	1000	1200	300	900	140
SGP100120.40DP	1000	1200	400	900	140
SGP100140.30DP	1000	1400	300	900	140
SGP100140.40DP	1000	1400	400	900	140



Metal boxes - Surface mounting IP66

Dimensions - Series SGPT

Single d	L (mm)	H (mm)	P (mm)	A (mm)	B (mm)
SGPT2525.15	250	250	150	150	80
SGPT2030.15	200	300	150	150	80
SGPT2530.15	250	300	150	150	80
SGPT2530.20	250	300	200	150	80
SGPT3030.15	300	300	200	230	140
SGPT3030.20	300	300	200	230	140
SGPT3040.15	300	400	150	200	80
SGPT3040.20	300	400	200	230	140
SGPT4040.15	400	400	150	300	80
SGPT4040.20	400	400	200	300	140
SGPT3050.15	300	500	150	200	80
SGPT3050.20	300	500	200	230	140
SGPT4050.15	400	500	150	300	80
SGPT4050.20	400	500	200	300	140
SGPT4050.25	400	500	250	500	140
SGPT4050.30	400	500	300		
SGPT5050.15	500	500	150	300	80
SGPT5050.20	500	500	200	400	140
SGPT5050.25	500	500	250	400	140
SGPT5050.30	500	500	300	400	140
SGPT4060.20	400	600	200	300	140
SGPT4060.25	400	600	250	300	140
SGPT4060.30	400	600	300	300	140
SGPT5060.15	500	600	150	300	80
SGPT5060.20	500	600	200	400	140
SGPT5060.25	500	600	250	400	140
SGPT5060.30	500	600	300	400	140
SGPT6060.20	600	600	200	500	140
SGPT6060.25	600	600	250	500	140
SGPT6060.30	600	600	300	500	140
SGPT5070.15	500	700	150	300	80
SGPT5070.20	500	700	200	400	140
SGPT5070.25	500	700	250	400	140
SGPT6080.20	600	800	200	500	140
SGPT6080.25	600	800	250	500	140
SGPT6080.30	600	800	300	500	140
SGPT8080.25	800	800	250	700	140
SGPT8080.30	800	800	300	700	140
SGPT60100.25	600	1000	250	500	140
SGPT60100.30	600	1000	300	500	140
SGPT80100.25	800	1000	250	700	140
SGPT80100.30	800	1000	300	700	140
SGPT60120.25	600	1200	250	500	140
SGPT60120.30	600	1200	300	500	140
SGPT80120.30	800	1200	300	700	140
SGPT100120.30	1000	1200	300	900	140



Note

The form area is a large rectangle with a dark grey header bar at the top, a light pink sub-header bar below it, and a main white grid area with thin black lines. The grid is approximately 30 columns wide and 60 rows high.

Metal boxes - Surface mounting IP66 


Series SGX ATEX



The regulations regarding risk prevention in explosive atmospheres are as follows:

- Concerning equipment and protection systems intended for use in potentially explosive atmospheres.
- Concerning the protection of the health and safety of workers exposed to risks arising from the presence of explosive atmospheres in the workplace.
- International regulations: IEC 61241 and IEC 60079.

Technical characteristics:

- Degree protection:	IP66
- Structure:	cold-rolled steel plate 20/10
- Resistance to impact:	IK10
- Painting:	hardened epoxy-polyester
- Color:	Grey RAL 7035
- Tensione nominale	1000V
- Cables entries:	cable-entry panel removable from the top
- Approvals:	




Metal boxes - Surface mounting IP66 

Metal box	ΔT	Max power dissipation (W)				
		20°C	25°C	30°C	35°C	40°C
SGX2030.15		17,4	23,0	28,9	35,0	41,3
SGX2530.15		19,8	26,2	32,8	39,8	47,0
SGX3030.15		22,2	29,3	36,8	44,6	52,6
SGX3030.20		25,8	24,1	42,7	51,8	61,1
SGX3040.20		31,6	41,7	52,3	63,3	74,7
SGX4040.20		37,6	49,7	62,3	75,5	89,1
SGX6040.20		49,5	65,4	82,0	99,4	117,3
SGX4050.20		44,2	58,3	73,2	88,6	104,7
SGX4060.20		50,7	66,9	83,9	101,6	120,0
SGX4060.25		56,4	74,4	93,3	113,0	133,5
SGX5060.25		64,5	85,2	106,9	129,4	152,8
SGX6060.25		72,6	95,8	120,2	145,7	172,0
SGX5070.25		72,3	95,5	119,8	145,1	171,3
SGX6080.30		100,9	133,1	167,0	202,3	238,9
SGX8080.30		126,8	167,4	210,00	254,3	300,3
SGX80100.30		158,7	209,5	262,8	318,4	375,9

Atmosphere classification			
Group	Hazardous area category	Zones	Atmosphere
I Mining	M1 e M2	Gas and dust	G and D
II Industrial	1. Continuous or for long periods	Zona 0: gas, vapour and mist	G
		Zona 20: dusts	D
	2. Occasional	Zona 1: vapour and mist	G
		Zona 21: dusts	D
	3. Short periods only	Zona 2: gas, vapour and mist	G
		Zona 22: dusts	D

0163: Organisation reference number

 ATEX symbol according to directive

II: Group

2: Product category

GD: Gas and dust

Ex: product is ATEX compliant

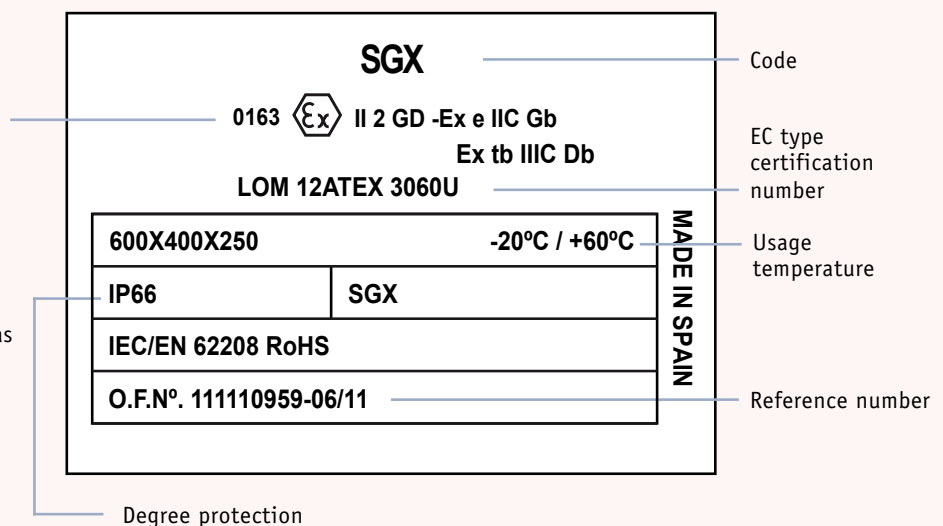
e: Protezione aumentata

IIC: protection type: increased safety


Gb/Db: protection against dust and gas for non-electrical equipment. "Control of ignition sources"

tb: Type of protection: "Enclosure"

IIIC: Powder type. "Conducting"



Metal boxes - Surface mounting IP66 

Series SGX								
		Dimensions L x H x P (mm)	Cable entries L x P (mm)	Number of locks	Number of hinges	Code		
		200 x 300 x 150	150 x 80	1	2	SGX2030.15		
		250 x 300 x 150	150 x 80	1	2	SGX2530.15		
		300 x 300 x 150	200 x 80	1	2	SGX3030.15		
		300 x 300 x 200	230 x 140	1	2	SGX3030.20		
		300 x 400 x 200	230 x 140	1	2	SGX3040.20		
		400 x 400 x 200	300 x 140	1	2	SGX4040.20		
		600 x 400 x 200	500 x 140	1	2	SGX6040.20		
		400 x 500 x 200	300 x 140	2	2	SGX4050.20		
		400 x 600 x 200	300 x 140	2	2	SGX4060.20		
		400 x 600 x 250	300 x 140	2	2	SGX4060.25		
		500 x 600 x 250	400 x 140	2	2	SGX5060.25		
		600 x 600 x 250	500 x 140	2	2	SGX6060.25		
		500 x 700 x 250	400 x 140	2	2	SGX5070.25		
		600 x 800 x 300	500 x 140	2	3	SGX6080.30		
		800 x 800 x 300	700 x 140	2	3	SGX8080.30		
		800 x 1000 x 300	700 x 140	3P	3	SGX80100.30		

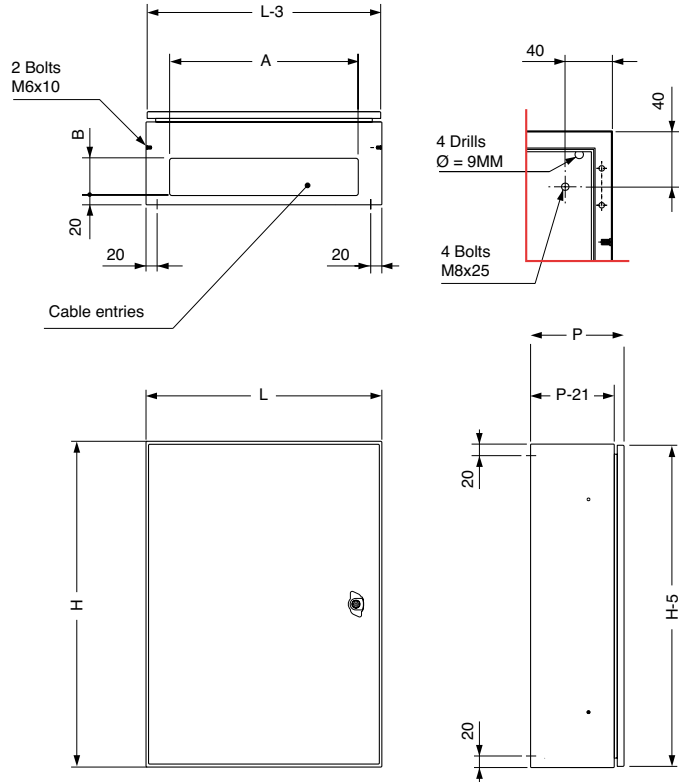
Metal boxes - Surface mounting IP66 

Accessories - Series SGX						
	Description	Dimensions (mm)	Number of modules	Number of rows	Code	
Modular chassis						
	Mounting on: SGX2530.15		16	2 x 8	SGP-M2530.1520	
	SGX3040.20		33	3 x 11	SGP-M3040.1520	
	SGX4050.20		48	3 x 16	SGP-M4050.1520	
	SGX4060.20		64	4 x 16	SGP-M4060.1520	
	SGX4060.25		64	4 x 16	SGP-M4060.2530	
	SGX6060.25		104	4 x 26	SGP-M6060.2530	
	SGX5070.25		110	5 x 22	SGP-M5070.2530	
	SGX6080.30		128	4 x 26 + 1 x 24	SGP-M6080.2530	
	SGX8080.30		190	5 x 38	SGP-M8080.2530	
Inner door						
	Mounting on: SGX2030.15	L x H: 250 x 150			SGP-PI2030	
	SGX2530.15	250 x 200			SGP-PI2530	
	SGX3030...	250 x 250			SGP-PI3030	
	SGX3040.20	350 x 250			SGP-PI3040	
	SGX4040.20	350 x 350			SGP-PI4040	
	SGX6040.20	350 x 550			SGP-PI6040	
	SGX4050.20	450 x 350			SGP-PI4050	
	SGX4060...	550 x 350			SGP-PI4060	
	SGX5060.25	550 x 450			SGP-PI5060	
	SGX6060.25	550 x 550			SGP-PI6060	
	SGX5070.25	650 x 450			SGP-PI5070	
	SGX6080.30	750 x 550			SGP-PI6080	
SGX8080.30	750 x 750			SGP-PI8080		
SGX80100.30	950 x 750			SGP-PI80100		
Height adjustment element						
	Assembly plate height adjustment element. The height can be adjusted every 12,5 mm each time	P: 150			SGP-SP150	
		P: 200			SGP-SP200	
		P: 250			SGP-SP250	
		P: 300			SGP-SP300	
Wall support						
	4 pieces				SGP-WMS	
	Surface mounting (20 x 20)					
Locks						
	1P SGX lock				SGX-K1P	
	3P SGX lock				SGX-K3P	
	5 mm double-bit zamak key				SGX-DA	
Earthing kit						
	Flat ground connection	L = 150mm			SGX-T150	
	Flat ground connection	L = 200mm			SGX-T200	
Mast attachment pack						
	Mast attachment pack (2 pieces)				SGX-AC	

Metal boxes - Surface mounting IP66 

Dimensions - Series SGX

Single door	L (mm)	H (mm)	P (mm)	A (mm)	B (mm)
SGX2030.15	200	300	150	150	80
SGX2530.15	250	300	150	150	80
SGX3030.15	600	300	150	200	80
SGX3030.20	300	300	200	230	140
SGX3040.20	300	400	200	230	140
SGX4040.20	400	400	200	300	140
SGX6040.20	600	400	200	500	140
SGX4050.20	400	500	200	300	140
SGX4060.20	400	600	200	300	140
SGX4060.25	400	600	250	300	140
SGX5060.25	500	600	250	400	140
SGX6060.25	600	600	250	500	140
SGX5070.25	500	700	250	400	140
SGX6080.30	600	800	300	500	140
SGX8080.30	800	800	300	700	140
SGX80100.30	800	1000	300	700	140



AEG

**APPARECCHIATURE
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