GOLD-M
IP40 Distribution Boxes

The Gold series IP40 distribution boxes with metal doors fully meet all technical and quality standards to offer the installer maximum versatility and ease of assembly; specially designed for installation in the tertiary and residential sector.

With a capacity from 14 to 70 modules, they are available for wall mounting in prefabricated walls (plasterboard, wood, chipboard, etc.) and conventional brick walls.

Their look is carefully designed to adapt perfectly to all environments, fully integrating with decorations for business, offices, shops, hotels, homes and more.

GOLD technical specifications

- **Degree of protection:** IP40.
- **Impact resistance:** IK08.
- **Glow wire resistance:**
  850 ºC in flush-mounted bases for hollow walls.
  650 ºC in all other casings and mounting bases.
- **Range of ambient temperature:** -5 ºC / +40 ºC.
- **Double insulation:** Class II.

GOLD certifications

Compliance with low tension directive 2014/35/EU.
Standards: EN-IEC 60670-1-24 and IEC-EN 62 208.

GOLD-M
IP40 Flush-mounted distribution boxes with metal door

Product range. Flush-mounted
(brick walls - hollow walls)

- Modular capacity for 14, 28, 42, 56 and 72 modules.
- Flush-mounted boxes:
  - Brick walls: (GME).
  - Hollow walls: (GME/PH).
- Available with metal door.

Materials

- Cold-rolled sheet steel door, smooth white RAL 9003.
- PS front cover, white RAL 9003.
- Mounting bases:
  - Brick walls: PS 650 ºC grey RAL 7035.
  - Hollow walls: PS 850 ºC grey RAL 7035.
- Halogen-free plastic materials.

Supply

Supplied in individual packaging. Multiple packaging with shrink wrap around individual packages. All assembly elements supplied, except those in the accessory bag.
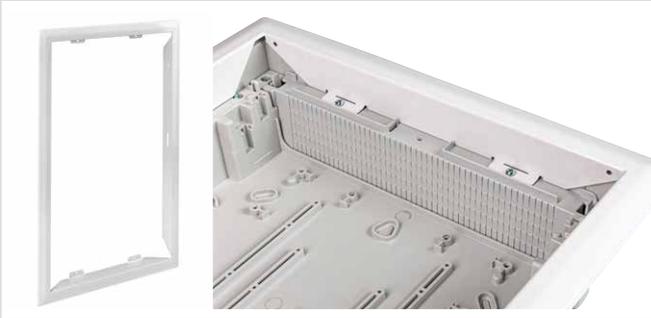
Accessory bag:

- Screws for closing the extractable plastic cover and metal frame.
- Hollow walls installation kit (for GME/PH boxes).
- Module cover in white (6 modules).
- Module identification strips.

For use in the tertiary and residential sector, apartments, hotels and offices, where an exclusive, avant-garde design is required

Frame

- Manufactured in cold-rolled sheet steel. White RAL 9003 with a smooth finish.
- Bevelled, slightly curved profiles with rounded corners to provide greater rigidity.
- Frame and base attached by four self-tapping screws.
- Highly functional design, ensuring fast and accurate assembly.

Front cover

- Manufactured in white RAL 9003 PS, with textured finish.
- Rows of 14 modules, 10 open and a further 2+2 pre-punched.
- Option to seal the frame and base in the four corners.
- Front cover and base attached using clips and two self-tapping screws, supplied in the accessory bag for compliance with safety standards.

Base and cable entry point

- Manufactured in PS 650 ºC for brick walls and in PS 850 ºC for cavity walls; grey Ral 70365.
- Top and bottom walls clipped to the base, with screw attachment option. They are pre-marked every 5 mm vertically and every 10 mm horizontally, permitting the installer to cut the entry point as required.
- The top of the base has a T-shaped row of anchoring points to attach cables to the casing using cable ties.
- The pre-marked points on the sides help support the drill to make entry points every 62.5 mm.
- Pre-punched entry points at the bottom of the base provide access to the M25, M32 and M40 tubes; the double slots permit 3.6 mm diameter self-tapping screws to be fitted, offering greater versatility in configuring the interior of the casing.

- The frame and base are attached using plastic thread screws, with all bases reversible.

GOLD-M
IP40 Flush-mounted distribution boxes with metal door

Wall attachment

BRICK WALLS

HOLLOW WALLS

- For mounting in conventional brick walls, the base has a perimeter flange that facilitates fitting and attachment to the wall.
- For mounting in plasterboard hollow walls, the base includes flanges on the corners that, together with the installation kit, facilitate mounting in the hollow walls.

- The installation kit consists of Ø 3.5 mm metal screws and plastic raising parts. This system works for wall thicknesses from 7 to 34 mm.
- For perfect mounting, the bases come with an interior and an exterior housing for fitting a spirit level supplied as an accessory.
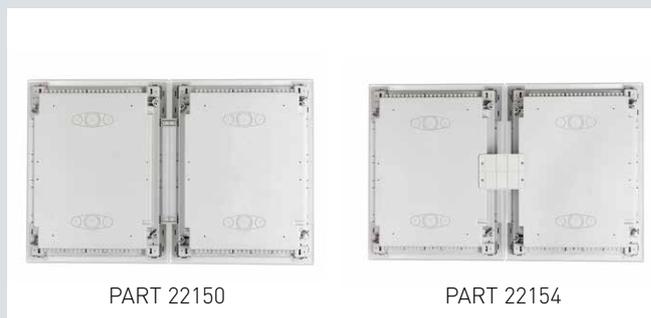
DIN rail and rack attachment

- The casing for two or more rows (28, 42, 56 and 70 modules) are supplied with a fitted rack and extractable rails.
- In the casing for one row (14 modules) the rail is attached directly to the casing base and supplied already fitted.
- For the casing for two or more rows of modules, there are two possible rail attachments: directly to the casing or using the extractable rack.
- The extractable rack permits the whole set to be easily fitted on the work bench and then carried to the casing for final mounting.

- The geometry of the bases permits the rack to be fitted easily and accurately without the need for extra markers.
- The rack is attached to the casing by four screw points for the 14, 28 and 42 module casings and six points for 56 and 70 module casings. These points are located at the ends. For the 56 and 70 modules, casing there are two additional central points.
- The rails can only be fitted at the bottom of the racks.
- The space available for cable entry is 10 mm and the distance between rails is 125 mm.

Casing attachment

- Option to attach them horizontally and vertically.
- Attachment part 22150, supplied as an accessory, is attached to the casing by pressing into place, without requiring tools for its installation. Allowing boxes to be attached horizontally and vertically, even combining boxes with different numbers of modules. The distance between casings once attached and fitted is approximately 1 mm.
- Attachment part 22154, supplied as an accessory, is attached to the casing with three self-tapping screws. This permits casings to be attached horizontally while providing space for the cables inside. The distance between casings once attached and fitted is approximately 1 mm.

PART 22150

PART 22154

Doors and closing mechanisms

- Doors manufactured from cold-rolled sheet steel; in white RAL 9003 with a smooth finish.

- All doors are reversible with 120º opening.

- They have a quick and simple fitting system, thanks to their innovative hinge design. A simple bending movement is used to fit the door without requiring tools.

- The door closing mechanism is by clip, for perfect opening and closing.

- A lock and key can also be fitted, supplied as an accessory.

Fitting the neutral and ground terminal strips

- All /RR references (screw-in terminal strips) and /RA references (push-in terminal strips) are supplied with fitted neutral and ground bars.

- The terminal strip support is fitted using a clip system, providing fast and safe installation.

- The support allows for different types of strips to be attached: screw-in and push-in.

- The strips may be fitted at the top or bottom of the casing. Furthermore, they can be fitted at two heights (top and bottom) in boxes with two or more rows of modules.

- The strip terminal identifiers are embossed directly on the support, so no identification labels are required.

Accessories

- **Lock:** a key lock can be installed, reference 22040. The doors have a housing prepared for quick installation.

- **Spirit level:** the bases have an internal and external housing for fitting a spirit level. This spirit level is supplied as an accessory (reference 22073) and ensures the casing is perfectly vertical when fitted.

- **Attachment parts:** the mounting casings for both cavity and conventional walls can be joined vertically and horizontally using attachment part 22150; and horizontally using attachment part 22154.

GOLD-M
IP40 Flush- mounted distribution boxes with metal door

IP40 Distribution boxes with metal door. Flush-mounting in brick walls

Reference	No. modules	External dimensions	Flush-fit gap dimensions	Weight	Power dissipation by temperature increase ºC P(W)				
METAL DOOR		HEIGHTXWIDTHXDEPTH		kg	20	25	30	35	40
GME14PO	1x14 Raíl DIN	337x387x99	302x352x89	2,3	14,2	17,8	21,3	24,9	28,4
GME28PO	2x14 (28) Raíl DIN	502x387x99	467x352x89	3,4	21,1	26,3	31,6	36,8	42,1
GME42PO	3x14 (42) Raíl DIN	627x387x99	592x352x89	4,2	26,2	32,8	39,3	45,9	52,5
GME56PO	4x14 (56) Raíl DIN	725x387x99	717x352x89	5,0	31,4	39,3	47,1	55,0	62,8
GME70PO	5x14 (70) Raíl DIN	877x387x99	842x352x89	5,9	36,59	45,7	54,9	64,0	73,2

METAL MATERIALS
Cold-rolled sheet steel door and frame, smooth white RAL 9003.

PLASTIC HALOGEN-FREE MATERIALS
PS front cover, white RAL 9003. PS base, grey RAL 7035.
Glow wire resistance in bases of 650 ºC.

IP40 - Brick wall mounting.

1x14 modules
GME14PO

TOP/BOT: 5x10
BACK: 2x[2xM25-1xM32-1xM40]
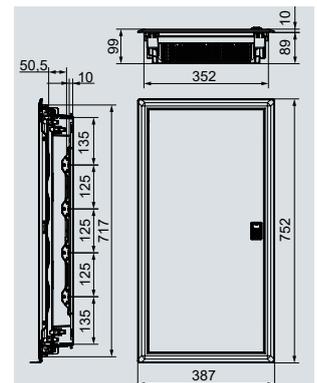LEFT and RIGHT: 1xø50 - 1x(80x54)
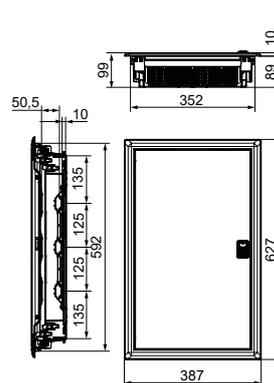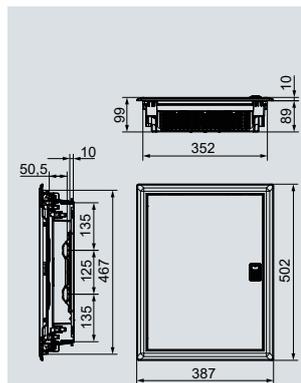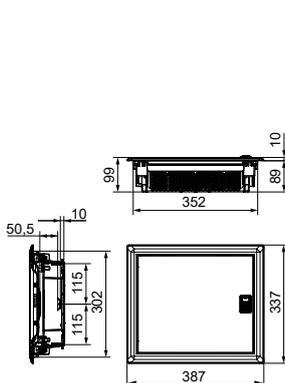
2x14 (28) modules
GME28PO

TOP/BOT: 5x10
BACK: 2x[2xM25-1xM32-1xM40]
LEFT and RIGHT: 3xø50 - 1x(80x54)

3x14 (42) modules
GME42PO

TOP/BOT: 5x10
BACK: 2x[2xM25-1xM32-1xM40]
LEFT and RIGHT: 5xø50 - 1x(80x54)

4x14 (56) modules
GME56PO

TOP/BOT: 5x10
BACK: 2x[2xM25-1xM32-1xM40]
LEFT and RIGHT: 6xø50 - 1x(80x54)

IP40 distribution boxes with metal door. Flush-mounting in brick walls
With neutral and ground terminal busbars

Reference	No. modules	External dimensions	Flush-fit gap dimensions	Weight	Power dissipation by temperature increase ºC P(W)				
METAL DOOR		HEIGHTXWIDTHXDEPTH		kg	20	25	30	35	40
GME14P0/RR	1x14 Raíl DIN	337x387x99	302x352x89	2,6	14,2	17,8	21,3	24,9	28,4
GME28P0/RR	2x14 (28) Raíl DIN	502x387x99	467x352x89	4,0	21,1	26,3	31,6	36,8	42,1
GME42P0/RR	3x14 (42) Raíl DIN	627x387x99	592x352x89	5,2	26,2	32,8	39,3	45,9	52,5
GME56P0/RR	4x14 (56) Raíl DIN	725x387x99	717x352x89	6,4	31,4	39,3	47,1	55,0	62,8
GME70P0/RR	5x14 (70) Raíl DIN	877x387x99	842x352x89	7,5	36,6	45,7	54,9	64,0	73,2

IP40 Distribution boxes with metal door. Flush-mounting in brick walls
With push-in neutral and ground busbars

Reference	No. modules	External dimensions	Flush-fit gap dimensions	Weight	Power dissipation by temperature increase ºC P(W)				
METAL DOOR		HEIGHTXWIDTHXDEPTH		kg	20	25	30	35	40
GME14P0/RA	1x14 Raíl DIN	337x387x99	302x352x89	2,6	14,2	17,8	21,3	24,9	28,4
GME28P0/RA	2x14 (28) Raíl DIN	502x387x99	467x352x89	4,0	21,1	26,3	31,6	36,8	42,1
GME42P0/RA	3x14 (42) Raíl DIN	627x387x99	592x352x89	5,2	26,2	32,8	39,3	45,9	52,5
GME56P0/RA	4x14 (56) Raíl DIN	725x387x99	717x352x89	6,4	31,4	39,3	47,1	55,0	62,8
GME70P0/RA	5x14 (70) Raíl DIN	877x387x99	842x352x89	7,5	36,6	45,7	54,9	64,0	73,2

METAL MATERIALS

Cold-rolled sheet steel door and frame, smooth white RAL 9003.

PLASTIC HALOGEN-FREE MATERIALS

PS front cover, white RAL 9003. PS base, grey RAL 7035.
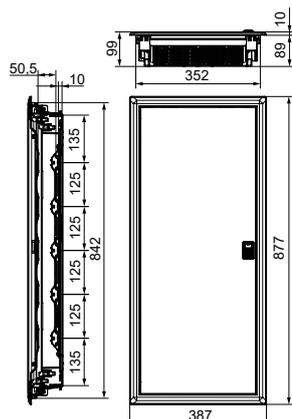- Glow wire resistance in bases of 650 ºC

IP40 - Brick wall mounting.
/RR: With screw-mounted neutral and earth bars./RA: With push-in neutral and earth bars.

5x14 (70) GME70P0
modules

TOP/BOT: 5x10
BACK: 2x[2xM25-1xM32-1xM40]
LEFT and RIGHT: 8xø50 - 1x(80x54)

GOLD-M

IP40 Flush-mounted distribution boxes with metal door

IP40 Distribution boxes with metal door. Flush-mounting in hollow walls

Reference	No. modules	External dimensions	Flush-fit gap dimensions	Weight	Power dissipation by temperature increase ºC P(W)				
METAL DOOR		HEIGHTXWIDTHXDEPTH		kg	20	25	30	35	40
GME14PO/PH	1x14 Raíl DIN	337x387x97	304x354x87	2,7	14,2	17,8	21,3	24,9	28,4
GME28PO/PH	2x14 (28) Raíl DIN	502x387x97	469x354x87	3,9	21,1	26,3	31,6	36,8	42,1
GME42PO/PH	3x14 (42) Raíl DIN	627x387x97	594x354x87	4,8	26,2	32,8	39,3	45,9	52,5
GME56PO/PH	4x14 (56) Raíl DIN	725x387x97	719x354x87	5,8	31,4	39,3	47,1	55,0	62,8
GME70PO/PH	5x14 (70) Raíl DIN	877x387x97	844x354x87	6,7	36,6	45,7	54,9	64,0	73,2

METAL MATERIALS
Cold-rolled steel sheet door and frame, smooth white RAL 9003.

PLASTIC HALOGEN-FREE MATERIALS
PS front cover, white RAL 9003. PS base, grey RAL 7035.
- Glow wire resistance in bases of 850 ºC

IP40 - Hollow wall mounting.

1x14 modules
GME14PO

TOP/BOT: 5x10
BACK: 2x[2xM25-1xM32-1xM40]
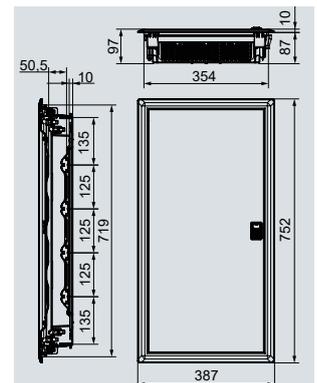LEFT and RIGHT: 1xø50 - 1x(80x54)
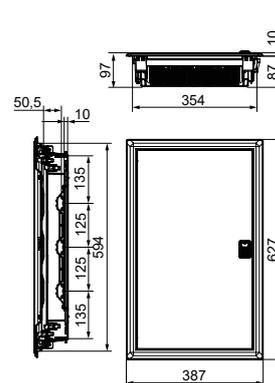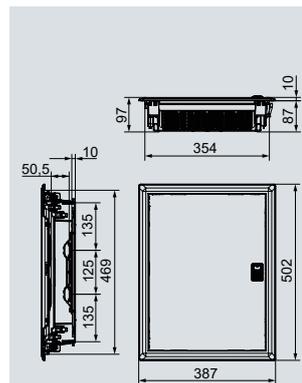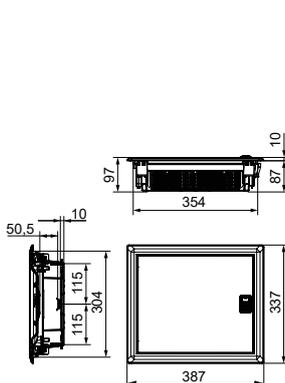
2x14 (28) modules
GME28PO

TOP/BOT: 5x10
BACK: 2x[2xM25-1xM32-1xM40]
LEFT and RIGHT: 3xø50 - 1x(80x54)

3x14 (42) modules
GME42PO

TOP/BOT: 5x10
BACK: 2x[2xM25-1xM32-1xM40]
LEFT and RIGHT: 1xø50 - 1x(80x54)

4x14 (56) modules
GME56PO

TOP/BOT: 5x10
BACK: 2x[2xM25-1xM32-1xM40]
LEFT and RIGHT: 1xø50 - 1x(80x54)

IP40 Distribution boxes with metal door. Flush-mounting in hollow walls
With neutral and ground busbars

Reference	No. modules	External dimensions	Flush-fit gap dimensions	Weight	Power dissipation by temperature increase ºC P(W)				
METAL DOOR		HEIGHTXWIDTHXDEPTH		kg	20	25	30	35	40
GME14PO/PH/RR	1x14 Raíl DIN	337x387x97	304x354x87	2,9	14,2	17,8	21,3	24,9	28,4
GME28PO/PH/RR	2x14 (28) Raíl DIN	502x387x97	469x354x87	4,1	21,1	26,3	31,6	36,8	42,1
GME42PO/PH/RR	3x14 (42) Raíl DIN	627x387x97	594x354x87	5,2	26,2	32,8	39,3	45,9	52,5
GME56PO/PH/RR	4x14 (56) Raíl DIN	725x387x97	719x354x87	6,2	31,4	39,3	47,1	55,0	62,8
GME70PO/PH/RR	5x14 (70) Raíl DIN	877x387x97	844x354x87	7,4	36,6	45,7	54,9	64,0	73,2

IP40 Distribution boxes with metal door. Flush-mounting in hollow walls
With push-in neutral and ground busbars

Reference	No. modules	External dimensions	Flush-fit gap dimensions	Weight	Power dissipation by temperature increase ºC P(W)				
METAL DOOR		HEIGHTXWIDTHXDEPTH		kg	20	25	30	35	40
GME14PO/PH/RA	1x14 Raíl DIN	337x387x97	304x354x87	2,8	14,2	17,8	21,3	24,9	28,4
GME28PO/PH/RA	2x14 (28) Raíl DIN	502x387x97	469x354x87	4,1	21,1	26,3	31,6	36,8	42,1
GME42PO/PH/RA	3x14 (42) Raíl DIN	627x387x97	594x354x87	5,1	26,2	32,8	39,3	45,9	52,5
GME56PO/PH/RA	4x14 (56) Raíl DIN	725x387x97	719x354x87	5,9	31,4	39,3	47,1	55,0	62,8
GME70PO/PH/RA	5x14 (70) Raíl DIN	877x387x97	844x354x87	7,2	36,6	45,7	54,9	64,0	73,2

METAL MATERIALS

Cold-rolled sheet steel door and frame, smooth white RAL 9003.

PLASTIC HALOGEN-FREE MATERIALS

PS front cover, white RAL 9003. PS base, grey RAL 7035.
- Glow wire resistance in bases of 850 ºC.

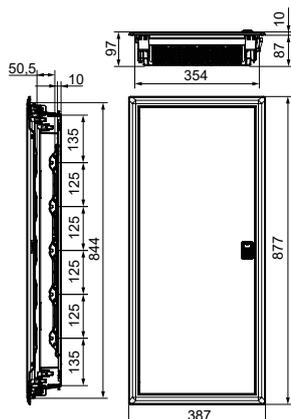IP40 - Hollow wall mounting.
/RR: With screw-mounted neutral and earth bars./RA: With push-in neutral and earth bars.

5x14 (70) GME70PO modules

TOP/BOT: 5x10
BACK: 2x[2xM25-1xM32-1xM40]
LEFT and RIGHT: 8xø50 - 1x(80x54)

GOLD-M
IP40 Flush-mounted distribution boxes with metal door

Neutral and earth bars

The neutral and earth bars permit the connection of the conductors to a common collector bar thus increasing the safety of the installation.

The standard Gold boxes permit the terminal strip support to be fitted using a clip system, providing fast and safe installation.

The support allows for different types of strips to be fitted: screw-in and push-in.

Structure for screw-mounted neutral and earth bars

Reference	Terminal I		Terminal II		Cable cross-section	
	N	T	N	T	N	T
20219	1+5	-	-	-	1x(16-35 mm²)+5x(10-25 mm²)	-
22045	2L+12	2L+12	-	-	6 x (2,5-6 mm²) + 6 x (4-10 mm²) + 1 x (10-25 mm²) + 1 x (16-35 mm²)	6 x (2,5-6 mm²) + 6 x (4-10 mm²) + 1 x (10-25 mm²) + 1 x (16-35 mm²)
22046	2L+16	2L+16	-	-	8 x (2,5-6 mm²) + 8 x (4-10 mm²) + 1 x (10-25 mm²) + 1 x (16-35 mm²)	8 x (2,5-6 mm²) + 8 x (4-10 mm²) + 1 x (10-25 mm²) + 1 x (16-35 mm²)
22047	4L+32 -	- -	-	-	16 x (2,5-6 mm²) + 16 x (4-10 mm²) + 2 x (10-25 mm²) + 2 x (16-35 mm²)	16 x (2,5-6 mm²) + 16 x (4-10 mm² + 2 x (10-25 mm²) + 2 x (16-35 mm²)
22048	2L+24 -	- 2L+24	2L+24 -	- 2L+24	24 x (2,5-6 mm²) + 24 x (4-10 mm²) + 2 x (10-25 mm²) + 2 x (16-35 mm²)	24 x (2,5-6 mm²) + 24 x (4-10 mm²) + 2 x (10-25 mm²) + 2 x (16-35 mm²)

Structure for push-in neutral and earth bars

Reference	Terminal I		Terminal II		Cable cross-section	
	N	T	N	T	N	T
22055	(1+7) x 2	(1+7) x 2	-	-	14 x 4 mm² + 2 x 25 mm²	14 x 4 mm² + 2 x 25 mm²
22056	(1+7) x 3 -	- -	- -	- (1+7) x 3	21 x 4 mm² + 3 x 25 mm²	21 x 4 mm² + 3 x 25 mm²
22057	(1+7) x 4 -	- -	- -	- (1+7) x 4	28 x 4 mm² + 4 x 25 mm²	28 x 4 mm² + 4 x 25 mm²
22058	(1+7) x 5 -	- -	- -	- (1+7) x 5	35 x 4 mm² + 5 x 25 mm²	35 x 4 mm² + 5 x 25 mm²
22059	(1+7) x 4 -	- (1+7) x 4	(1+7) x 4 -	- (1+7) x 4	56 x 4 mm² + 8 x 25 mm²	56 x 4 mm² + 8 x 25 mm²

GOLD Accessories

| HINGE | LEVELING ACCESSORY | LOCK AND KEY | ATTACHMENT ELEMENT |

GOLD Accessories

Various	Ref.
9.5x25 leveling accessory (bag of 10 units)	**22073**
Hinge (bag of 10 units)	**22074**
Link piece (hollow/brick wall mounting) (bag 2 units)	**22150**
Attachment part with cable entry point (hollow/brick wall mounting) (bag 2 units)	**22154**
Hollow wall attachment grips 14-28-42 modules (bag 4 units)	**94037**
Hollow wall attachment grips 56-70 modules (bag 6 units)	**94039**

White metal door	Ref.
14 module door	**PO14GM**
28 module door	**PO28GM**
42 module door	**PO42GM**
56 module door	**PO56GM**
70 module door	**PO70GM**

Closing mechanisms	Ref.
Standard closing mechanism	**22038**
Lock with key	**22040**

Screw-mounted neutral and earth bars

	No. of modules	Ref.
Support + neutral or earth bar (1+5 terminals)	14-28-42-56-70	**22019**
Support + neutral and earth bar 2x(2+12 terminals)	14	**22045**
Support + neutral and earth bar 2x(2+16 terminals)	28	**22046**
Support + neutral and earth bar 2x(4+32 terminals)	42-56	**22047**
Support + neutral and earth bar 4x(2+24 terminals)	70	**22048**

Push-in neutral and earth bars

	No. of modules	Ref.
Support + neutral and earth bar 2x(1+7 terminals)	14	**22055**
Support + neutral and earth bar 3x(1+7 terminals)	28	**22056**
Support + neutral and earth bar 4x(1+7 terminals)	42	**22057**
Support + neutral and earth bar 5x(1+7 terminals)	56	**22058**
Support + neutral and earth bar 4x(1+7 terminals)	70	**22059**

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