



ORO

IP40 Flush-fit distribution boxes

The ORO series flush-fit distribution boxes are manufactured with the highest-quality halogen-free plastic materials.

With a modular capacity from 4 to up to 36 models, they have been designed exclusively for indoor installation in the tertiary and residential sector (brick walls).

IP
40

CE

ORO Technical Specifications

- Degree of protection: IP40.
- Resistance to impact: IK08.
- Glow wire resistance: 650 °C.
- Ambient temperature range: -25 °C / +40 °C.
- Maximum operating voltage: 1000 V AC/1500 V DC.
- Double insulation: Class II.

ORO Certifications

Compliant with the Low Voltage Directive 2014/35/EU.
Standards: UNE-EN 62208 and UNE-EN 61439-1
(as applicable).



Product series

- Flush-fit boxes with a capacity of 4, 8, 12, 24 and 36 modules with opaque or transparent window.

Material

- Halogen-free plastic materials.
- Frame and opaque window: ABS RAL 9003 white.
- Base: PS RAL 7035.
- Transparent window in tinted PC, with UV protection.

Supply

- Supplied in individual packaging. When several items are sent together, they are bundled together with transparent film. They are supplied with all the elements assembled, except for the ones supplied in the accessory bag.
- Accessory bag:
 - Hermetic caps.
 - Frame-base locking screws.
 - Grey module cover (6 modules).
 - Module identification strips.
 - Assembly instructions.

Window opening and closing by vertical rotation based on an exclusive design that adapts to settings where decoration is highly important



Base

- The flush-fit bases have a 5-mm-wide horizontal rib and reinforcement ribs on the inside and on the outside, thus preventing possible deformations caused by the force applied during flush-fitting.
- The top and bottom sides have knock-outs with the standard metric M25, M32 and M40 diameters so that they can be quickly removed with a screwdriver for cable and pipe entry.
- There is an arrow on the bottom of the base that indicates correct box position; this ensures that the space between the rails is suitable in order to guarantee that power dissipates inside the enclosure correctly, in accordance with the regulations.
- For two rails, the top space must be greater than 115 mm; for three rails the top space must be greater than 135 mm. The bottom space should always be greater than 100 mm.
- The bottom of the base is fitted with supports for attaching neutral and earth bars, as well as the housings for attaching the DIN rail.

Frame-base closing

- The top and bottom sides of the enclosure have clips on the frame and their corresponding housings on the base. With the help of these clips, and applying a little pressure, the frame-base assembly can easily be opened and closed. This is a provisional closure during the installation period. The box is definitively closed by means of four 4x13 screws in the housings located inside the window gap. These screws are supplied in the accessory bag.
- There is a 10-mm frame all around the cover to conceal possible flaws or damage caused during flush-fitting.
- The 4-modules box has a special closure that seals the box, for which purpose the 25975 sealable kit should be ordered.



Window

- RAL 9003 white opaque windows.
- Transparent window in tinted PC, with UV protection.
- Opening and closing by means of vertical rotation.
- When the windows are opened fully out, they remain anchored in order to facilitate switch control and handling.
- The windows are wave-shaped, giving them a very attractive look, and they adapt perfectly to places where decoration is highly important.

DIN rail attachment

- The sockets have grooved housings for screw-less DIN rail assembly.
- For boxes with two and three rows (24 and 36 modules), the rails are supplied in frame form. This keeps the whole unit assembled comfortably on the workbench, and it can then be moved to the enclosure for the final assembly.

IP40 flush-fit distribution boxes

Reference No.		No. of modules	External dimensions	Dimensions of the flush-fit gap	Weight	Power dissipation according to temperature increase °C P(W)*					Type
OPAQUE WINDOW	TRANSP. WINDOW		HEIGHT X WIDTH X DEPTH		KG	20	25	30	35	40	
BM4PO	BM4PT	1x4 DIN rail	228x120x97	228x120x65	0.40	4.1	5.1	6.2	7.2	8.2	40E04
BM8PO	BM8PT	1x8 DIN rail	248x210x97	228x190x65	0.62	5.9	7.4	8.8	10.3	11.8	40E08
BM12PO	BM12PT	1x12 DIN rail	248x283x97	228x263x65	0.79	7.8	9.7	11.6	13.6	15.5	40E12
BM24PO	BM24PT	2x12 (24) DIN rail	373x283x97	353x263x65	1.30	11.5	14.4	17.3	20.2	23.1	40E24
BM36PO	BM36PT	3x12 (36) DIN rail	517x283x97	497x263x65	1.87	15.9	19.9	23.9	27.8	31.8	40E36

HALOGEN-FREE PLASTIC MATERIALS

Ref. BM4PO - BM4PT: sealable by ordering the 25975 kit.

Frame and opaque window in white ABS RAL 9003. Base in PS RAL 7035.

Transparent window in tinted PC, with UV protection.

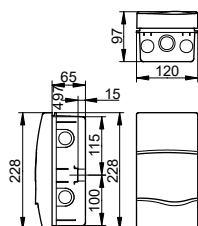
IP40 - Flush-fit.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



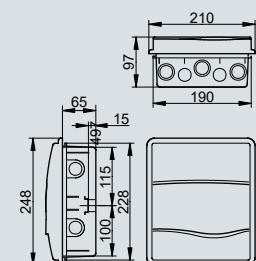
**1x4 modules
BM4PO**

TOP: 2xM25-1xM25/32
BOTTOM: 2xM25-1xM25/32
LEFT: 2xM25
RIGHT: 2xM25



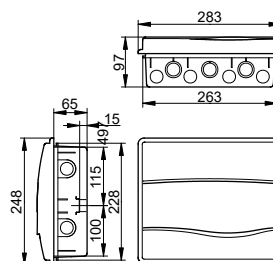
**1x8 modules
BM8PO**

TOP: 2xM25-3xM25/32
BOTTOM: 2xM25-3xM25/32
LEFT: 2xM25
RIGHT: 2xM25



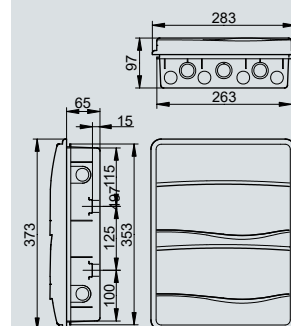
**1x12 modules
BM12PO**

TOP: 4xM25-2xM25/32-1xM32/40
BOTTOM: 4xM25-2xM25/32-1xM32/40
LEFT: 2xM25
RIGHT: 2xM25



**2x12 (24) modules
BM24PO**

TOP: 4xM25-2xM25/32-1xM32/40
BOTTOM: 4xM25-2xM25/32-1xM32/40
LEFT: 2xM25
RIGHT: 2xM25



IP40 flush-fit distribution boxes. With neutral and earth bars

Reference No.		No. of modules	External dimensions	Dimensions of the flush-fit gap	Weight	Power dissipation according to temperature increase °C P(W)*					Type
OPAQUE WINDOW	TRANSP. WINDOW		HEIGHT X WIDTH X DEPTH		KG	20	25	30	35	40	
BM4P0/RR	BM4PT/RR	1x4 DIN rail	228x120x97	228x120x65	0.47	4.1	5.1	6.2	7.2	8.2	40E04
BM8P0/RR	BM8PT/RR	1x8 DIN rail	248x210x97	228x190x65	0.70	5.9	7.4	8.8	10.3	11.8	40E08
BM12P0/RR	BM12PT/RR	1x12 DIN rail	248x283x97	228x263x65	0.89	7.8	9.7	11.6	13.6	15.5	40E12
BM24P0/RR	BM24PT/RR	2x12 (24) DIN rail	373x283x97	353x263x65	1.46	11.5	14.4	17.3	20.2	23.1	40E24
BM36P0/RR	BM36PT/RR	3x12 (36) DIN rail	517x283x97	497x263x65	2.06	15.9	19.9	23.9	27.8	31.8	40E36

HALOGEN-FREE PLASTIC MATERIALS

Ref. BM4P0/RR - BM4PT/RR sealable by ordering the 25975 kit.

Frame and opaque window in white ABS RAL 9003. Base in PS RAL 7035.

Transparent window in tinted PC, with UV protection.

IP40 - Flush-fit.

/RR: With neutral and earth bars.

* Calculations obtained according to the CEI 890:1997 standard (including Corrigendum 1998). Method of temperature-rise assessment by extrapolation for partially type-tested assemblies (PTTA) of low-voltage switchgear and control gear.



3x12 (36) modules

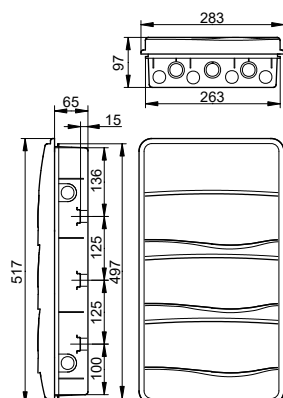
BM36P0

TOP: 4xM25-2xM25/32-1xM32/40

BOTTOM: 4xM25-2xM25/32-1xM32/40

LEFT: 2xM25

RIGHT: 2xM25





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