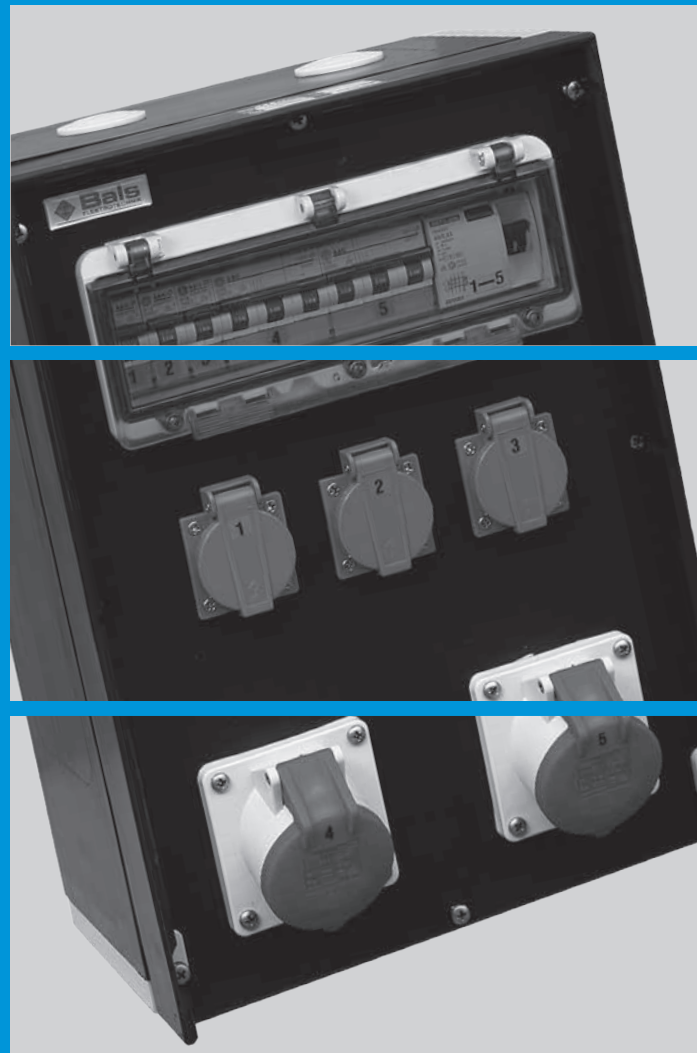


# MODBOX GB



Living in a fast-moving age, it's often necessary to modify power distribution systems. Such distribution systems used in industrial buildings, production facilities, laboratories, harbour docks, markets, tunnels, road construction sites and many other locations frequently need to not only be adapted, but can also be subject to rough conditions and harsh environments. The new patented MODBOX rubber distribution systems from Bals Electrotechnik GmbH addresses all requirements whilst maintaining a maximum IP67 rating. The material used in the MODBOX has unique properties, ensuring robustness and resistance to ageing, temperature, oil and acid. The MODBOX is of course also fully insulated, UV resistant and halogen free, as well as being flame resistant and self-extinguishing. The truly innovative housing design allows existing installations to be adapted quickly and efficiently. Separation attachments are provided in the housing, making it easier to install strong current and weak current systems simultaneously. An outstanding feature is the MODBOX units can be easily connected to each other as unmodified modules. Another great feature is the freely configurable option the MODBOX has. Four openings in the side of the MODBOX allow modules to be added in the desired place. To further improve safety, yellow connecting and end corners are used. These luminous items (up to 7 hours luminescence) are thoroughly recommended.



Configure your own MODBOX at [www.bals.com](http://www.bals.com)



User-friendly OTC operating window on MODBOX® -Midi.



Continuous all-round seals provide IP67 protection level

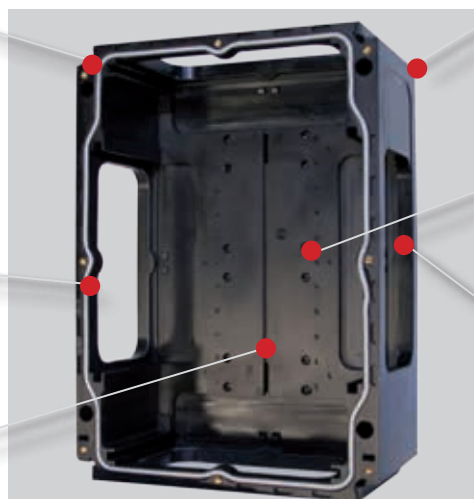


Solid guide rails ensure an extremely high level of dimensional stability, especially at connection between upper and lower part of housing

**Corners** (luminous on request)  
Standard end corners in yellow, interchangeable (2 or 4). They allow MODBOX® units to be connected together without problem.

**Slot and recess**  
Slot with ring set sealed to achieve the high IP protection level. Wedge-shape rubber teeth for increased stability.

**Recess in base**  
Recess provided for order separation if required (strong current and weak current).

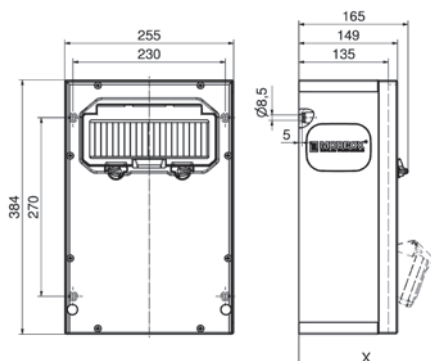


Bottom section of MODBOX®

**Drill holes**  
4 drill holes ensure a perfect permanent installation.

**Cutouts**  
4 cutouts for attaching the wall mounting anchors.

**Feedthrough openings**  
4 openings in the MODBOX® panel allow modules to be added to the installation in any direction. The slide-in connector was developed to ensure perfect connection. The frame, inserted if additional modules are added, ensures additional stability. In the standard configuration, the feedthrough openings are sealed off using blanking panels.



depth x in (mm)

with	IP44	IP67	with	IP44	IP67
OTC operating window	165	165	CEE 16A 5p	197	195
schuko-type	152	195	CEE 32A 3p/4p	201	203
CEE 16A 3p	190	190	CEE 32A 5p	203	204
CEE 16A 4p	194	192	CEE 63A 3p/4p/5p	219	221

30 MB 214

- Dimension of housing: 384 x 255 mm
- Housing made of high-quality, impact-resistant solid rubber
- User-friendly OTC operating window
- Modular extension
- Hardness grade of 99 shore
- Resistant to ageing, temperature, oil and acid
- Excellent resistance to chemicals
- Flame-resistant, self-extinguishing
- Top section straight, CEE sockets angled
- All CEE sockets with screwless, maintenance-free Quick-Connect technology
- Black top and bottom section with yellow end corners
- Available in various RAL colours
- Accessories: see page 7

### MODBOX®-Midi



Order no. **5401882**

#### Sockets:

3 schuko-type sockets 16A, 230V

#### Fuse:

3 C-type MCBs 16A, 1p  
1 RCCB 40/0,03A, 4p

**Cable entry at top and bottom:**  
each with 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>

Item  
01

### MODBOX®-Midi



Order no. **5401884**

#### Sockets:

6 schuko-type sockets 16A, 230V

#### Fuse:

6 C-type MCBs 16A, 1p  
1 RCCB 40/0,03A, 4p

**Cable entry at top and bottom:**  
each with 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>

Item  
02

### MODBOX®-Midi



Order no. **5401886**

#### Sockets:

2 schuko-type sockets 16A, 230V  
1 CEE socket 16A, 400V, 5p

#### Fuse:

2 C-type MCBs 16A, 1p  
1 C-type MCB 16A, 3p  
1 RCCB 40/0,03A, 4p

**Cable entry at top and bottom:**  
each with 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>

Item  
03

### MODBOX®-Midi



Order no. **5401892**

#### Sockets:

2 schuko-type sockets 16A, 230V  
1 CEE socket 16A, 400V, 5p  
1 CEE socket 32A, 400V, 5p

#### Fuse:

2 C-type MCBs 16A, 1p  
1 C-type MCB 16A, 3p  
1 RCCB 40/0,03A, 4p

**Cable entry at top and bottom:**  
each with 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>

Item  
04

### MODBOX®-Midi



Order no. **5401894**

#### Sockets:

3 schuko-type sockets 16A, 230V  
2 CEE sockets 16A, 400V, 5p

#### Fuse:

3 C-type MCBs 16A, 1p  
2 C-type MCBs 16A, 3p

**Cable entry at top and bottom:**  
each with 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>

Item  
05

### MODBOX®-Midi



Order no. **5401905**

#### Sockets:

3 schuko-type sockets 16A, 230V  
1 CEE socket 16A, 400V, 5p  
1 CEE socket 32A, 400V, 5p

#### Fuse:

3 C-type MCBs 16A, 1p  
1 C-type MCB 16A, 3p  
1 C-type MCB 32A, 3p

**Cable entry at top and bottom:**  
each with 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>

Item  
06



depth x in (mm)

with	IP44	IP67	with	IP44	IP67
schuko-type	192	235	CEE 32A 3p/4p	241	243
CEE 16A 3p	230	230	CEE 32A 5p	243	244
CEE 16A 4p	234	232	CEE 63A 3p/4p/5p	259	261
CEE 16A 5p	237	235			

13MB109

- Dimension of housing: 420 x 300 mm
- Wired ready for connection
- Housing made of high-quality, impact-resistant solid rubber
- Modular extension
- Hardness grade of 99 shore
- Resistant to ageing, temperature, oil and acid
- Excellent resistance to chemicals
- Flame-resistant, self-extinguishing
- Top section straight, CEE sockets angled
- All CEE sockets with screwless, maintenance-free Quick-Connect technology
- Black top and bottom section with yellow end corners
- Available in various RAL colours
- Accessories: see page 7



Order no. **5401455**

### Sockets:

3 schuko-type sockets 16A, 230V  
2 CEE sockets 16A, 400V, 5p

### Fuse:

3 C-type MCBs 16A, 1p  
2 C-type MCBs 16A, 3p  
1 RCCB 40/0,03A, 4p

**Cable entry at top and bottom:**  
each with 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>



Item  
07



Order no. **5401567**

### Sockets:

3 schuko-type sockets 16A, 230V  
2 CEE sockets 32A, 400V, 5p

### Fuse:

3 C-type MCBs 16A, 1p  
2 C-type MCBs 32A, 3p  
1 RCCB 63/0,03A, 4p

**Cable entry at top and bottom:**  
each with 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>



Item  
08



Order no. **5401343**

### Sockets:

3 schuko-type sockets 16A, 230V  
1 CEE socket 16A, 400V, 5p  
1 CEE socket 32A, 400V, 5p

### Fuse:

3 C-type MCBs 16A, 1p  
1 C-type MCB 16A, 3p  
1 C-type MCB 32A, 3p  
1 RCCB 40/0,03A, 4p

**Cable entry at top and bottom:**  
each with 2 x M40

**Connection option:**  
for 2 cables up to 5 x 16 mm<sup>2</sup>



Item  
09



Order no. **5401668**

### Sockets:

3 schuko-type sockets 16A, 230V  
1 CEE socket 16A, 400V, 5p  
1 CEE socket 32A, 400V, 5p

### Fuse:

3 Neozed D01, 1p  
1 Neozed D01, 3p  
1 RCCB 40/0,03A, 4p

**Cable entry at top and bottom:**  
each with 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>



Item  
10



Order no. **5401662**

### Sockets:

3 schuko-type sockets 16A, 230V  
1 CEE socket 16A, 400V, 5p  
1 CEE socket 32A, 400V, 5p

### Fuse:

3 Neozed D01, 1p  
1 Neozed D01, 3p  
1 Neozed D02, 3p

**Cable entry at top and bottom:**  
each with 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>



Item  
11



Order no. **5402044**

### Sockets:

2 schuko-type sockets 16A, 230V  
2 CEE sockets 32A, 400V, 5p

### Fuse:

2 C-type MCBs 16A, 1p  
2 C-type MCBs 32A, 3p  
1 RCCB 63/0,03A, 4p

**Cable entry at top and bottom:**  
each with 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>



Item  
12





Order no. **5401302**

**Sockets:**

2 schuko-type sockets 16A, 230V  
1 CEE socket 16A, 400V, 5p  
1 CEE socket 32A, 400V, 5p

**Fuse:**

2 C-type MCBs 16A, 1p  
1 C-type MCB 16A, 3p  
1 C-type MCB 32A, 3p  
1 RCCB 40/0,03A, 4p

**Cable entry at top and bottom:**  
each with 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>

Item  
13



Order no. **5402046**

**Sockets:**

3 schuko-type sockets 16A, 230V  
1 CEE socket 16A, 230V, 3p  
1 CEE socket 16A, 400V, 5p

**Fuse:**

3 C-type MCBs 16A, 1p  
1 C-type MCB 16A, 1p  
1 C-type MCB 16A, 3p  
1 RCCB 40/0,03A, 4p

**Cable entry at top and bottom:**  
each with 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>

Item  
14



Order no. **5401453**

**Sockets:**

4 schuko-type sockets 16A, 230V  
1 CEE socket 16A, 400V, 5p  
1 CEE socket 32A, 400V, 5p

**Fuse:**

2 C-type MCBs 16A, 1p  
1 C-type MCB 16A, 3p  
1 C-type MCB 32A, 3p  
1 RCCB 63/0,03A, 4p

**Cable entry at top and bottom:**  
each with 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>

Item  
15



Order no. **5401801**

**Sockets:**

4 schuko-type sockets 16A, 230V  
1 CEE socket 16A, 400V, 5p  
1 CEE socket 32A, 400V, 5p

**Fuse:**

4 C-type MCBs 16A, 1p  
1 C-type MCB 16A, 3p  
1 C-type MCB 32A, 3p  
1 RCCB 40/0,03A, 4p

**Cable entry at top and bottom:**  
each with 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>

Item  
16



Order no. **5402047**

**Sockets:**

4 schuko-type sockets 16A, 230V  
1 CEE socket 16A, 400V, 5p  
1 CEE socket 32A, 400V, 5p

**Fuse:**

4 C-type MCBs 16A, 1p  
1 C-type MCB 16A, 3p  
1 C-type MCB 32A, 3p

**Cable entry at top and bottom:**  
each with 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>

Item  
17



Order no. **5401274**

**Sockets:**

2 schuko-type sockets 16A, 230V  
1 CEE socket 16A, 400V, 5p  
1 CEE socket 32A, 400V, 5p

**Fuse:**

2 C-type MCBs 16A, 1p  
1 C-type MCB 16A, 3p  
1 C-type MCB 32A, 3p  
1 RCCB 63/0,03A, 4p

**Cable entry at top and bottom:**  
each with 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>

Item  
18



Order no. **5402059**

**Sockets:**

2 schuko-type sockets 16A, 230V  
1 CEE socket 16A, 400V, 5p  
1 CEE socket 32A, 400V, 5p  
1 double data socket RJ45 CAT6 IP55

**Fuse:**

2 C-type MCBs 16A, 1p  
1 C-type MCB 16A, 3p  
1 C-type MCB 32A, 3p  
1 RCCB 40/0,03A, 4p

**Cable entry at top and bottom:**  
each with 2 x M20, 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>

Item  
19



Order no. **5402060**

**Sockets:**

3 schuko-type sockets 16A, 230V  
1 CEE socket 16A, 400V, 5p  
1 CEE socket 32A, 400V, 5p  
1 double data socket RJ45 CAT6 IP55

**Fuse:**

3 C-type MCBs 16A, 1p  
1 C-type MCB 16A, 3p  
1 C-type MCB 32A, 3p  
1 RCCB 63/0,03A, 4p

**Cable entry at top and bottom:**  
each with 2 x M20, 2 x M40

**Connection option:**  
for 2 cables up to 5 x 16 mm<sup>2</sup>

Item  
20



Order no. **5402159**

**Sockets:**  
4 schuko-type sockets 16A, 230V

**Fuse:**  
4 C-type MCBs 16A, 1p  
1 RCCB 40/0,03A, 4p

**Cable entry at bottom:**  
1 x M12, 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>

Item  
21



Order no. **5402160**

**Sockets:**  
3 schuko-type sockets 16A, 230V  
1 CEE socket 16A, 400V, 5p

**Fuse:**  
3 C-type MCBs 16A, 1p  
1 C-type MCB 16A, 3p  
1 RCCB 40/0,03A, 4p

**Cable entry at bottom:**  
1 x M12, 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>

Item  
22



Order no. **5402161**

**Sockets:**  
2 schuko-type sockets 16A, 230V  
2 CEE sockets 16A, 400V, 5p

**Fuse:**  
2 C-type MCBs 16A, 1p  
2 C-type MCBs 16A, 3p  
1 RCCB 40/0,03A, 4p

**Cable entry at bottom:**  
1 x M12, 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>

Item  
23



Order no. **5402162**

**Sockets:**  
2 schuko-type sockets 16A, 230V  
1 CEE socket 16A, 400V, 5p  
1 CEE socket 32A, 400V, 5p

**Fuse:**  
2 C-type MCBs 16A, 1p  
1 C-type MCB 16A, 3p  
1 C-type MCB 32A, 3p  
1 RCCB 40/0,03A, 4p

**Cable entry at bottom:**  
1 x M12, 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>

Item  
24



Order no. **5402163**

**Sockets:**  
2 schuko-type sockets 16A, 230V  
1 CEE socket 16A, 400V, 5p  
1 CEE socket 32A, 400V, 5p

**Fuse:**  
2 C-type MCBs 16A, 1p  
1 C-type MCB 16A, 3p  
1 C-type MCB 32A, 3p  
1 RCCB 63/0,03A, 4p

**Cable entry at bottom:**  
1 x M12, 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>

Item  
25



Order no. **5402164**

**Sockets:**  
2 schuko-type sockets 16A, 230V  
2 CEE sockets 32A, 400V, 5p

**Fuse:**  
2 C-type MCBs 16A, 1p  
2 C-type MCBs 32A, 3p  
1 RCCB 63/0,03A, 4p

**Cable entry at bottom:**  
1 x M12, 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>

Item  
26



Order no. **5402165**

**Sockets:**  
3 schuko-type sockets 16A, 230V  
1 CEE socket 16A, 400V, 5p  
1 CEE socket 32A, 400V, 5p

**Fuse:**  
3 C-type MCBs 16A, 1p  
1 C-type MCB 16A, 3p  
1 C-type MCB 32A, 3p  
1 RCCB 63/0,03A, 4p

**Cable entry at bottom:**  
1 x M12, 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>

Item  
27



Order no. **5402166**

**Sockets:**  
3 schuko-type sockets 16A, 230V  
2 CEE sockets 16A, 400V, 5p

**Fuse:**  
3 C-type MCBs 16A, 1p  
2 C-type MCBs 16A, 3p  
1 RCCB 40/0,03A, 4p

**Cable entry at bottom:**  
1 x M12, 2 x M40

**Connection option:**  
for 2 cables up to 5 x 25 mm<sup>2</sup>

Item  
28

## Cable gland



- black
- Protection degree IP 67

Thread	Sealing range	Order No.
M12	3-6 mm	<b>580647</b>
M20	8-13 mm	<b>580648</b>
M25	11-17 mm	<b>580649</b>
M32	15-21 mm	<b>580650</b>
M40	19-28 mm	<b>580651</b>
Multiple sealing insert		
for M25	2x8 mm	<b>580652</b>
for M32	4x8 mm	<b>580653</b>

Item  
29

## Cable gland for pressure equalisation

The use of pressure equalisation cable glands allows the internal pressure to adjust to the ambient pressure. The type-tested protection degree of the housing is fully retained. Temperature fluctuations, intense sunlight, or a sudden change in weather can cause condensation to form in Distribution boxes. Basically, condensation can form in all sealed Distribution boxes. The higher the protection degree is, the more likely the formation of condensation will be. We therefore recommend, especially in the case of distributors with protection degree IP67, the use of pressure equalisation cable glands.



- Minimised condensation formation and therefore reduction in downtimes and time-consuming and expensive repair work
- No expensive and high-maintenance ventilation technology required
- No drip holes which reduce the level of protection
- With air ducts for pressure equalisation
- Black
- Protection degree IP 67

Thread	Sealing range	Order No.
M20	6-13 mm	<b>580656</b>
M25	9-17 mm	<b>580657</b>
M32	13-21 mm	<b>580658</b>
M40	16-28 mm	<b>580659</b>

Item  
30

## Mounting set



- For MODBOX and MODBOX Midi
- Consisting of:
  - 4 screws 6 x 60 mm
  - 4 screw anchors 8 x 51 mm

Order no. **580640**

Item  
31

## Lock set



- For MODBOX operating window
- With locking cylinder and 2 keys

Order no. **58037**



- For MODBOX-Midi OTC window
- With long shackle and 2 keys

Order no. **580642**

Item  
32

## Power-Port floor-standing distributor without door



- Only for MODBOX Midi
- Housing dimensions 1300 x 350 x 275 (H x W x D)
- Housing made of high-quality V2A stainless steel
- Ground metal surface
- Moveable panel for concealing cables
- Base plate suitable for pedestal mounting
- Available in different colours (optional)

Order no. **580589**

Item  
34

## Portable stand



- For MODBOX and MODBOX Midi
- Hot-dip galvanised steel tubing
- Folding
- Weight 4 kg
- Dimensions: 350/570 x 780 x 540 mm (W x H x D)

Order no. **580721**

Item  
33

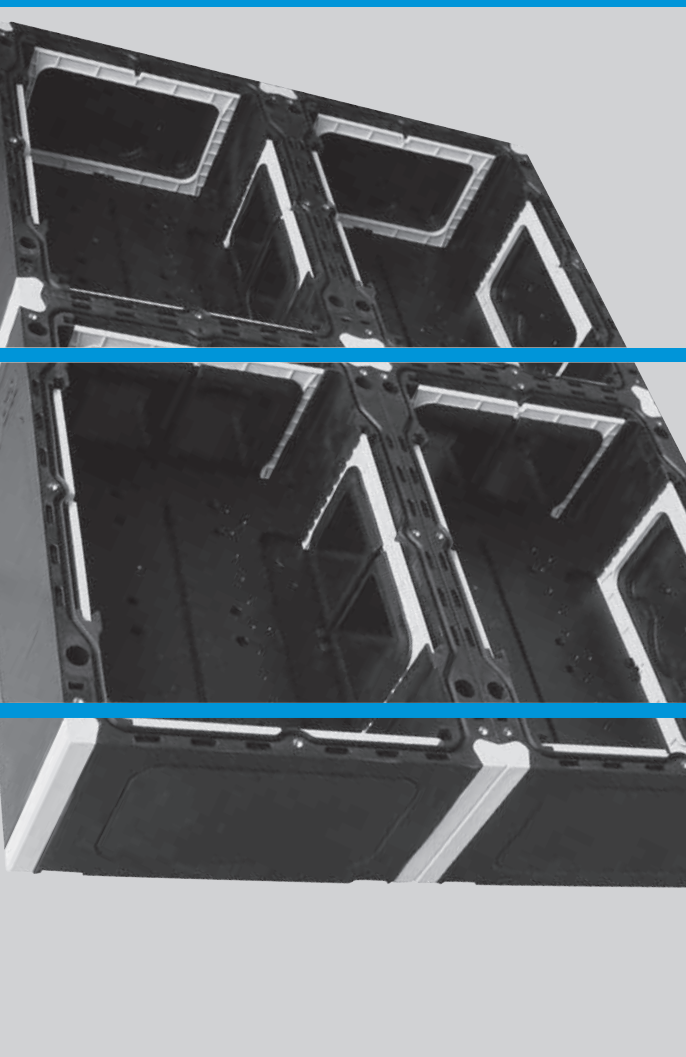
## Power-Port floor-standing distributor with door



- Only for MODBOX Midi
- Housing dimensions 1300 x 350 x 415 (H x W x D)
- Housing made of high-quality V2A stainless steel
- Ground metal surface
- Moveable panel for concealing cables
- Base plate suitable for pedestal mounting
- Door with box lock and single proRCCble cylinder, internal hinges
- Brush seal prevents dirt and dust from entering when door is closed
- Outgoing cables can be guided out through brush-sealed opening on front side
- Available in different colours (optional)

Order no. **580508**

Item  
35



**Bals**  
ELEKTROTECHNIK

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