



# SDB small distributor series

Shock-resistant – in any position



## Shock-resistant – in any position

The SDB distribution box from OBO Bettermann are tough customers. OBO has just added versatile plastic housings to its range of products. These are characterised by excellent robustness and reliability. In the tough environment of industrial production, they ensure that power is available at any time.

# Sturdy and safe



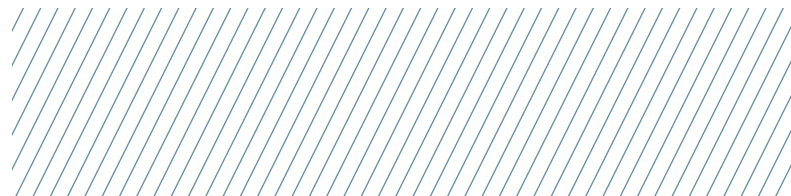
These high-quality polycarbonate distribution boxes protect electrical installations even when under extreme strain. They can withstand harsh cleaning agents, cold and heat, and knocks and impacts in industrial settings and public places.

## 2 materials

The small distributors are available in two different materials to suit different installation locations. The professional quality housing is made from robust polystyrene. This quality is suitable primarily for use in indoor and covered outdoor environments. For even greater stability and safety, opt for the polycarbonate distributors.

## Protection rating IP66

With a protection rating of IP66, the distribution boxes additionally provide protection against powerful water jets and dust.



# Simple and particularly flexible installation

Thanks to the use of high-quality special plastics, the new OBO SDB series can satisfy all the requirements for modern distribution boxes. In addition, it allows simple and particularly flexible installation.

## Flexible fastening

The housing can be attached using internal, external or corner fastenings, as required.



## Simply plugged-in

Innovative PE/N terminal with

- 1x 25 mm<sup>2</sup> screw terminal
- 1x 16 mm<sup>2</sup> screw terminal
- 2x 4 mm<sup>2</sup> screwless terminals
- 12x 2.5 mm<sup>2</sup> screwless terminals



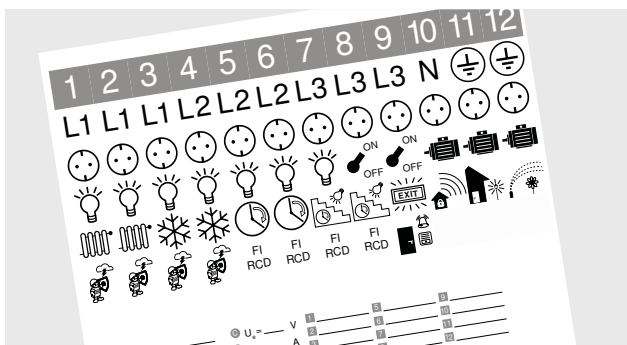
## Secure connection guaranteed

The industrial-quality (polycarbonate) distribution boxes are fitted with screwless terminals, while the professional-quality (polystyrene) distributors come with tried-and-tested screw terminals.



## Perfect handling

The robust locking contour can be opened and closed easily – perfect for daily use in tough industrial environments.



## Practical details

The practical adhesive labelling sheets with self-adhesive pictograms ensure tidy, simple labelling of the installation.

## VDE-tested

The SDB distribution boxes are tested according to DIN EN 61439-1 (VDE 0660-600-2).



# All kinds of applications

Because it is so sturdy, the distribution box series can handle any application – even in uncovered outdoor locations.

## Four sizes

The four sizes with three, five, nine or twelve division units offer flexible installation space for devices on hat rails.





### Distribution box, 3 division units, with terminal strip



Type	Terminals	Colour	Dimension LxWxH mm	Pack	Weight	Item no.
				Piece	kg/100 pc.	
SDB 03 PC	Connector	Light grey	150x190x125	1	75.540	2008840

Distribution box with terminal strip for surface mounting, for the current sub-distribution in interior and exterior areas, in accordance with IEC 439-3. With pre-mounted 35 mm hat profile rail. IP66 protection type and IK06 protection rating. Transparent cover to screw on, with cut-out.

- Protection-insulated for a maximum of 3 division units
- Terminal strip set consisting of: One each of: PE/N terminal (1x25 mm<sup>2</sup> and 1x16 mm<sup>2</sup> screw terminals, 2x4 mm<sup>2</sup> and 12x2.5 mm<sup>2</sup> screwless terminals), mini hat profile rail, mounting instructions and fastening set
- Identification plates for connected consumers
- 2 elastic cable entries Ø20 mm for cable diameters of 0–17 mm
- 1 elastic cable entry Ø25 mm for cable diameters of 0–22 mm
- 2 Ø 20 mm break-out openings each at the top and bottom
- 1 Ø 20/25 mm combination break-out opening each at the top and bottom
- 4 screw cover caps
- 2 stainless steel external fastenings
- Cover strip for unused division units

### Distribution box, 3 division units, with terminal strip



Type	Terminals	Colour	Dimension LxWxH mm	Pack	Weight	Item no.
				Piece	kg/100 pc.	
SDB 03 PS	Connector	Light grey	150x190x125	1	81.000	2008800

Distribution box with terminal strip for surface mounting, for the current sub-distribution in interior and protected exterior areas, in accordance with IEC 439-3. With pre-mounted 35 mm hat profile rail. IP66 protection type and IK06 protection rating. Transparent cover to screw on, with cut-out.

- Protection-insulated for a maximum of 3 division units
- Terminal strip set consisting of: One each of: PE/N terminal with 4x 16 mm<sup>2</sup> screw terminals, mini hat profile rail, mounting instructions and fastening set
- Identification plates for connected consumers
- 2 elastic cable entries Ø20 mm for cable diameters of 0–17 mm
- 1 elastic cable entry Ø25 mm for cable diameters of 0–22 mm
- 2 Ø 20 mm break-out openings each at the top and bottom
- 1 Ø 20/25 mm combination break-out opening each at the top and bottom
- 4 screw cover caps

### Distribution box, 5 division units, with terminal strip



Type	Terminals	Colour	Dimension LxWxH mm	Pack	Weight	Item no.
				Piece	kg/100 pc.	
SDB 05 PC	Connector	Light grey	190x150x125	1	76.040	2008844

Distribution box with terminal strip for surface mounting, for the current sub-distribution in interior and exterior areas, in accordance with IEC 439-3. With pre-mounted 35 mm hat profile rail. IP66 protection type and IK06 protection rating. Transparent cover to screw on, with cut-out.

- Protection-insulated for a maximum of 5 division units
- Terminal strip set consisting of: One each of: PE/N terminal (1x25 mm<sup>2</sup> and 1x16 mm<sup>2</sup> screw terminals, 2x4 mm<sup>2</sup> and 12x2.5 mm<sup>2</sup> screwless terminals), mini hat profile rail, mounting instructions and fastening set
- Identification plates for connected consumers
- 4 elastic cable entries Ø20 mm for cable diameters of 0–17 mm
- 1 elastic cable entry Ø25 mm for cable diameters of 0–22 mm
- 4 Ø 20 mm break-out openings each at the top and bottom
- 1 Ø 20/25 mm combination break-out opening each at the top and bottom
- 4 screw cover caps
- 2 stainless steel external fastenings
- Cover strips for unused division units



PS



### Distribution box, 5 division units, with terminal strip

Type	Terminals	Colour	Dimension		Pack Piece	Weight kg/100 pc.	Item no.
			LxWxH mm	mm			
<b>SDB 05 PS</b>	Connector	Light grey	190x150x125		1	81.500	<b>2008804</b>

Distribution box with terminal strip for surface mounting, for the current sub-distribution in interior and protected exterior areas, in accordance with IEC 439-3. With pre-mounted 35 mm hat profile rail. IP66 protection type and IK06 protection rating. Transparent cover to screw on, with cut-out.

- Protection-insulated for a maximum of 5 division units
- Terminal strip set consisting of: One each of: PE/N terminal with 4x 16 mm<sup>2</sup> screw terminals, mini hat profile rail, mounting instructions and fastening set
- Identification plates for connected consumers
- 4 elastic cable entries Ø20 mm for cable diameters of 0–17 mm
- 1 elastic cable entry Ø25 mm for cable diameters of 0–22 mm
- 4 Ø 20 mm break-out openings each at the top and bottom
- 1 Ø 20/25 mm combination break-out opening each at the top and bottom
- 4 screw cover caps



PC



### Distribution box, 9 division units, with terminal strip

Type	Terminals	Colour	Dimension		Pack Piece	Weight kg/100 pc.	Item no.
			LxWxH mm	mm			
<b>SDB 09 PC</b>	Connector	Light grey	240x191x125		1	103.840	<b>2008848</b>

Distribution box with terminal strip for surface mounting, for the current sub-distribution in interior and exterior areas, in accordance with IEC 439-3. With pre-mounted 35 mm hat profile rail. IP66 protection type and IK06 protection rating. Transparent cover to screw on, with cut-out.

- Protection-insulated for a maximum of 9 division units
- Terminal strip set consisting of: One each of: PE/N terminal (1x25 mm<sup>2</sup> and 1x16 mm<sup>2</sup> screw terminals, 2x4 mm<sup>2</sup> and 12x2.5 mm<sup>2</sup> screwless terminals), mini hat profile rail, mounting instructions and fastening set
- Identification plates for connected consumers
- 6 elastic cable entries Ø20 mm for cable diameters of 0–17 mm
- 1 elastic cable entry Ø25 mm for cable diameters of 0–22 mm
- 1 elastic cable entry Ø32 mm for cable diameters of 0–28 mm
- 8 Ø 20 mm break-out openings each at the top and bottom
- 1 Ø 20/25/32 mm combination break-out opening each at the top and bottom
- 4 screw cover caps
- 2 stainless steel external fastenings
- Cover strips for unused division units



PS



### Distribution box, 9 division units, with terminal strip

Type	Terminals	Colour	Dimension		Pack Piece	Weight kg/100 pc.	Item no.
			LxWxH mm	mm			
<b>SDB 09 PS</b>	Connector	Light grey	240x191x125		1	110.000	<b>2008808</b>

Distribution box with terminal strip for surface mounting, for the current sub-distribution in interior and protected exterior areas, in accordance with IEC 439-3. With pre-mounted 35 mm hat profile rail. IP66 protection type and IK06 protection rating. Transparent cover to screw on, with cut-out.

- Protection-insulated for a maximum of 9 division units
- Terminal strip set consisting of: Two each of: PE/N terminals with 4x 16 mm<sup>2</sup> screw terminals, mini hat profile rail, mounting instructions and fastening set
- Identification plates for connected consumers
- 6 elastic cable entries Ø20 mm for cable diameters of 0–17 mm
- 1 elastic cable entry Ø25 mm for cable diameters of 0–22 mm
- 1 elastic cable entry Ø32 mm for cable diameters of 0–28 mm
- 8 Ø 20 mm break-out openings each at the top and bottom
- 1 Ø 20/25/32 mm combination break-out opening each at the top and bottom
- 4 screw cover caps



## Distribution box, 12 division units, with terminal strip

PC



Type	Terminals	Colour	Dimension LxWxH mm	Pack Piece	Weight kg/100 pc.	Item no.
SDB 12 PC	Connector	Light grey	286x202x125	1	150.000	2008852

Distribution box with terminal strip for surface mounting, for the current sub-distribution in interior and exterior areas, in accordance with IEC 439-3. With pre-mounted 35 mm hat profile rail. IP66 protection type and IK06 protection rating. Transparent cover to screw on, with cut-out.

- Protection-insulated for a maximum of 12 division units
- Terminal strip set consisting of: One each of: PE/N terminal (1x25 mm<sup>2</sup> and 1x16 mm<sup>2</sup> screw terminals, 2x4 mm<sup>2</sup> and 12x2.5 mm<sup>2</sup> screwless terminals), mini hat profile rail, mounting instructions and fastening set
- Identification plates for connected consumers
- 8 elastic cable entries Ø20 mm for cable diameters of 0–17 mm
- 1 elastic cable entry Ø25 mm for cable diameters of 0–22 mm
- 1 elastic cable entry Ø32 mm for cable diameters of 0–28 mm
- 10 Ø 20 mm break-out openings each at the top and bottom
- 1 Ø 20/25/32 mm combination break-out opening each at the top and bottom
- 4 screw cover caps
- 2 stainless steel external fastenings
- Cover strips for unused division units

## Distribution box, 12 division units, with terminal strip

PS



Type	Terminals	Colour	Dimension LxWxH mm	Pack Piece	Weight kg/100 pc.	Item no.
SDB 12 PS	Connector	Light grey	286x202x125	1	141.000	2008812

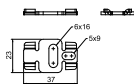
Distribution box with terminal strip for surface mounting, for the current sub-distribution in interior and protected exterior areas, in accordance with IEC 439-3. With pre-mounted 35 mm hat profile rail. IP66 protection type and IK06 protection rating. Transparent cover to screw on, with cut-out.

- Protection-insulated for a maximum of 12 division units
- Terminal strip set consisting of: Three each of: PE/N terminals with 4x 16 mm<sup>2</sup> screw terminals, mini hat profile rail, mounting instructions and fastening set
- Identification plates for connected consumers
- 8 elastic cable entries Ø20 mm for cable diameters of 0–17 mm
- 1 elastic cable entry Ø25 mm for cable diameters of 0–22 mm
- 1 elastic cable entry Ø32 mm for cable diameters of 0–28 mm
- 10 Ø 20 mm break-out openings each at the top and bottom
- 1 Ø 20/25/32 mm combination break-out opening each at the top and bottom
- 4 screw cover caps

## External fastening

### External fastening or connection

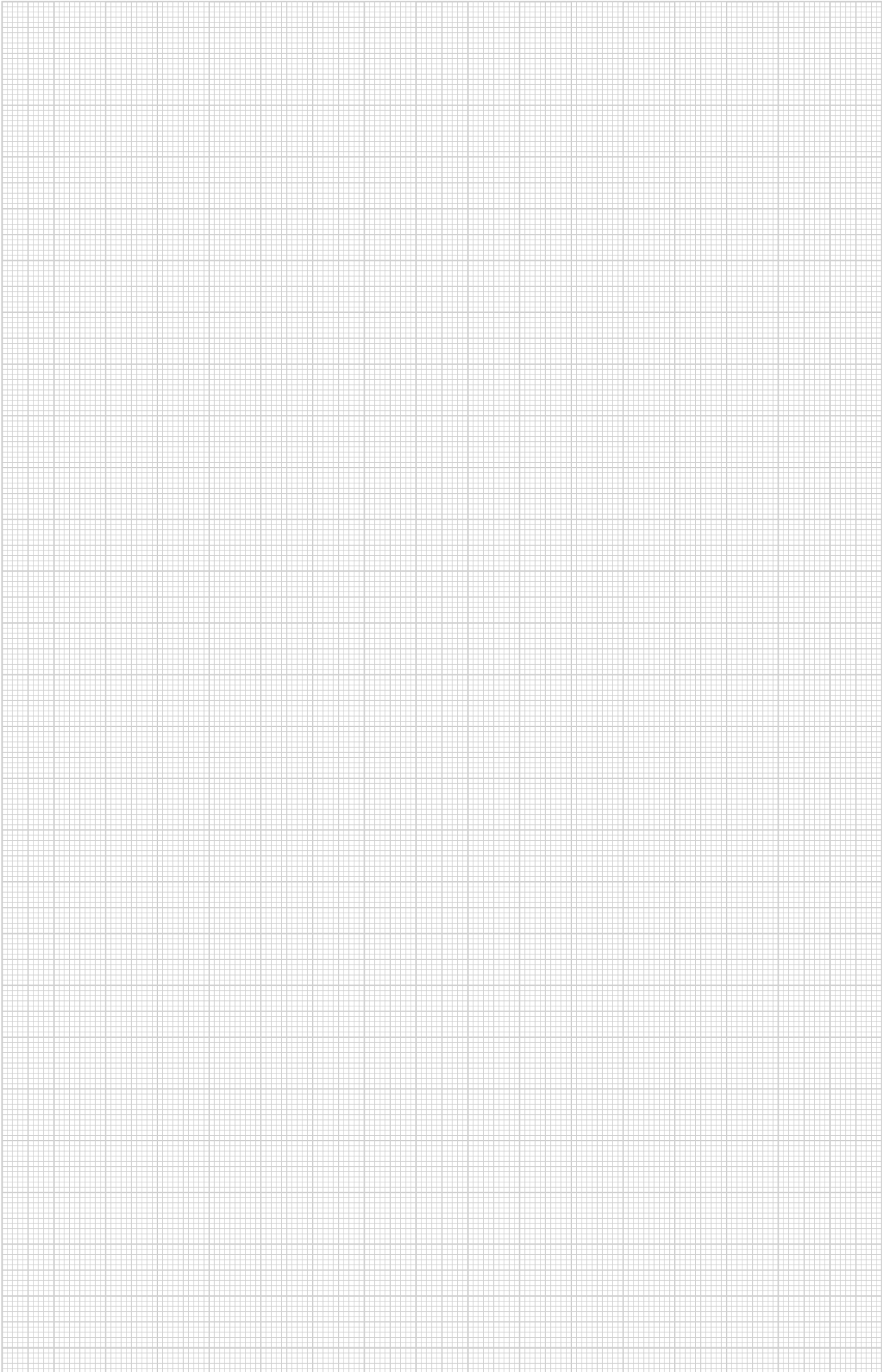
A2 2B



Type	Pack Piece	Weight kg/100 pc.	Item no.
AV-S	20	0.900	2007990

The convenient external fastening/connection means the cable boxes and distribution boxes of the S and SDB series can be fastened easily to a wall. Because they fasten outside the cable box, the possibility of voltage carry over is ruled out.

These metal connectors can also be used for lining up several boxes together.



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