

# Technical data sheet

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

Art.-Nr. 2008800



400 V M20 M25 M IP 66 IK 06 T 650°

PS Polystyrene

The OBO distribution box series offers secure current distribution, both indoors and outdoors. The surface-mounted distribution boxes fulfil all the requirements of IEC 439-3 and are available in different sizes with three to twelve division units.

There are three equipment variants: With screw terminals, with screwless terminals and without terminals. All the sizes and equipment variants are available in two materials. All the distribution boxes are supplied with a pre-mounted 35 hat profile support rail.

The distribution boxes with terminal strips also contain an accessories set, which also comprises a sheet of stickers. The self-adhesive pictograms make the often annoying labelling of the individual division units superfluous. Should labelling be required, then the appropriate stickers are available on the sticker sheet.

The high protection rating (IP66) and the robust construction (IK07 at -25 °C) ensure safe operation, even under difficult environmental circumstances.

The increased spacing between the hat profile support rail and the rear panel of the distribution box makes wiring work considerably easier: Cables are run quickly and simply behind the devices. The cables can be inserted into the interior of the distribution box from above, from below and from the rear, making wiring significantly easier and improving the appearance of the housing.

Additional product text, instruction	Surface-mounted distribution box, with protective insulation for max. 3 division units. There are 3 break-out openings (2x Ø20 and 1x Ø20/25) on both the upper and lower sides incl. pre-mounted 35 mm hat profile support rail. The four screw cover caps supplied prevent unwanted "voltage carry over".
Additional product text 1	Suitable for interior and protected exterior mounting Accessories: <ul style="list-style-type: none"> <li>Terminal strip set consisting of: One PE/N terminals with 4x 16 mm<sup>2</sup> screw terminal points, mini hat profile rail, mounting instructions and fastening set</li> <li>Self-adhesive pictograms for installation labelling and labelling of the connected consumers</li> <li>Two elastic cable entries Ø20 mm for cable diameters 0–17 mm</li> <li>One elastic cable entry Ø25 mm for cable diameter 0–22 mm</li> </ul>
Additional product text 2	Nominal current 40 A Power loss at 40 K 17 W Measured voltage Un: 400 V Operating measured voltage Ue: 400 V Impulse current resistance Cat.III Uimp: 4 kV

### Master data

Item no.	2008800
Type	SDB 03 PS
Description 1	Small distributor
Description 2	for max. 3 distribution units
Dimension	150x190x125
Colour	Light grey
RAL number	7035
Material	Polystyrene
Material symbol	PS
Smallest sales unit	1,00 Piece
Weight	81,00 kg/100 pc.

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Length	150,00 mm
Width	190,00 mm
Height	125,00 mm
Dimension LxWxH	150x190x125 mm
Extension option	<input checked="" type="checkbox"/>
Number of rows	1,00
Cover type	Cover
Lid version	With cut-out
Width in divisional units	3,00
DIN rail	<input checked="" type="checkbox"/>
Installation location	Internal
EMC version	<input type="checkbox"/>
Glow wire test	650,00 °C
Terminals	Connector
With cover	<input type="checkbox"/>
With mounting plate	<input type="checkbox"/>
With lock	<input type="checkbox"/>
Mounting type	Structure
Nominal voltage	400,00 V
Nominal operating voltage	400,00 V
Nominal current	40,00 A
Nominal insulating voltage AC	1.000,00 V
Nominal insulating voltage DC	1.500,00 V
Protection rating	IP66
Protection rating IK code	IK06
Transparent lid	<input checked="" type="checkbox"/>
Permitted power loss	Kleinverteiler Leistung Temperaturerhöhung SDB 03 3,5 W 10 K SDB 03 7,0 W 20 K SDB 03 11,0 W 30 K SDB 03 16,0 W 40 K SDB 03 25,0 W 80 °C