




## SDB distribution box



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System information



## 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.



## Shock-resistant – in any position

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

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## Two materials

The distribution boxes are available in two different materials to suit different installation locations. The professional quality housing is made from robust polystyrene. This quality is suitable for use primarily 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.



Ready for the rough and tough challenge?

Find out more here.



# 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

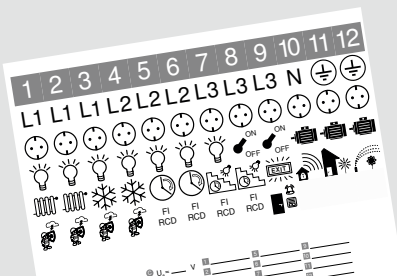
- Innovative PE/N terminal with
- 1x 25 mm<sup>2</sup> screw terminal
  - 1x 16 mm<sup>2</sup> screw terminal
  - 2x 4 mm<sup>2</sup> screwless terminals
  - 12x 2.5 mm<sup>2</sup> screwless terminals



## 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.





## Practical details

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



## Perfect handling

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



## VDE-tested



The SDB distribution boxes are tested 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 screwless terminal



Type	Terminals	Colour	Dimension LxWxH mm	Pack. pcs	Weight kg/100 pcs.	Item No.
<b>SDB 03 PC</b>	Connector	Light grey	150x190x125	1	75,540	<b>2008 84 0</b>

**PC** Polycarbonate /pc.

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".

Suitable for interior and exterior mounting;  
VDE-tested to DIN EN 60439

Accessories:

- Terminal strip set consisting of: One PE/N terminal (1x25<sup>2</sup> and 1x16<sup>2</sup> screw terminal points; 2x4<sup>2</sup> and 12x2.5<sup>2</sup> screwless terminals), mini hat profile rail, mounting instructions and fastening set
- Self-adhesive pictograms for installation labelling;
- Two elastic cable entries Ø20 mm for cable diameters 0–17 mm
- One elastic cable entry Ø25 mm for cable diameter 0–22 mm
- Two stainless steel external fastenings
- Cover strip for closing off unused separation units

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



Type	Terminals	Colour	Dimension LxWxH mm	Pack. pcs	Weight kg/100 pcs.	Item No.
<b>SDB 03 PS</b>	Screw	Light grey	150x190x125	1	81,000	<b>2008 80 0</b>

**PS** Polystyrene /pc.

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".

Suitable for interior and protected exterior mounting

Accessories:

- 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
- Self-adhesive pictograms for installation labelling and labelling of the connected consumers;
- Two elastic cable entries Ø20 mm for cable diameters 0–17 mm
- One elastic cable entry Ø25 mm for cable diameter 0–22 mm

## Distribution box, 3 division units, empty



Type	Colour	Dimension LxWxH mm	Pack. pcs	Weight kg/100 pcs.	Item No.
<b>SDB 03L PC</b>	Light grey	150x190x125	1	78,000	<b>2008 86 0</b>
<b>SDB 03L PS</b>	Light grey	150x190x125	1	69,000	<b>2008 82 0</b>

**PS** Polystyrene **PC** Polycarbonate /pc.

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".

The PS distribution boxes are suitable for mounting in interiors and in protected exteriors. The PC distribution boxes are suitable for mounting for interior and exterior use.





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



Type	Terminals	Colour	Dimension LxWxH mm	Pack. pcs	Weight kg/100 pcs.	Item No.
<b>SDB 09 PC</b>	Connector	Light grey	240x191x125	1	103,840	<b>2008 84 8</b>
<b>PC</b> Polycarbonate						/pc.

Surface-mounted distribution box, with protective insulation for max. 9 division units. There are 9 break-out openings (8x Ø20 and 1x Ø20/25/32) 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".

Suitable for interior and exterior mounting  
VDE-tested to DIN EN 60439

Accessories:

- Terminal strip set consisting of: One PE/N terminal (1x25<sup>2</sup> and 1x16<sup>2</sup> screw terminal points; 2x4<sup>2</sup> and 12x2.5<sup>2</sup> screwless terminals), mini hat profile rail, mounting instructions and fastening set
- Self-adhesive pictograms for installation labelling
- Six elastic cable entries Ø20 mm for cable diameters 0–17 mm
- One elastic cable entry Ø25 mm for cable diameter 0–22 mm
- One elastic cable entry Ø32 mm for cable diameter 0–28 mm
- Two stainless steel external fastenings
- Cover strip for closing off unused separation units

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



Type	Terminals	Colour	Dimension LxWxH mm	Pack. pcs	Weight kg/100 pcs.	Item No.
<b>SDB 09 PS</b>	Screw	Light grey	240x191x125	1	110,000	<b>2008 80 8</b>
<b>PS</b> Polystyrene						/pc.

Surface-mounted distribution box, with protective insulation for max. 9 division units. There are 9 break-out openings (8x Ø20 and 1x Ø20/25/32) 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".

Suitable for interior and protected exterior mounting

Accessories:

- Terminal strip set consisting of: Two PE/N terminals each with 4x 16 mm<sup>2</sup> screw terminal points, mini hat profile rail, mounting instructions and fastening set
- Self-adhesive pictograms for installation labelling and labelling of the connected consumers
- Six elastic cable entries Ø20 mm for cable diameters 0–17 mm
- One elastic cable entry Ø25 mm for cable diameter 0–22 mm
- One elastic cable entry Ø32 mm for cable diameter 0–28 mm

## Distribution box, 9 division units, empty



Type	Colour	Dimension LxWxH mm	Pack. pcs	Weight kg/100 pcs.	Item No.
<b>SDB 09L PS</b>	Light grey	240x191x125	1	96,000	<b>2008 82 8</b>
<b>SDB 09L PC</b>	Light grey	240x191x125	1	108,000	<b>2008 86 8</b>
<b>PS</b> Polystyrene <b>PC</b> Polycarbonate					

Surface-mounted distribution box, with protective insulation for max. 9 division units. There are 9 break-out openings (8x Ø20 and 1x Ø20/25/32) 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".

The PS distribution boxes are suitable for mounting in interiors and in protected exteriors.  
The PC distribution boxes are suitable for mounting for interior and exterior use.

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



Type	Terminals	Colour	Dimension LxWxH mm	Pack. pcs	Weight kg/100 pcs.	Item No.
<b>SDB 12 PC</b>	Connector	Light grey	286x202x125	1	143,840	<b>2008 85 2</b>
<b>PC</b> Polycarbonate /pc.						

Surface-mounted distribution box, with protective insulation for max. 12 division units. There are 11 break-out openings (10x Ø20 and 1x Ø20/25/32) 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".

Suitable for interior and exterior mounting;  
VDE-tested to DIN EN 60439

Accessories:

- Terminal strip set consisting of: One PE/N terminal (1x25<sup>2</sup> and 1x16<sup>2</sup> screw terminal points; 2x4<sup>2</sup> and 12x2.5<sup>2</sup> screwless terminals), mini hat profile rail, mounting instructions and fastening set
- Self-adhesive pictograms for installation labelling
- Eight elastic cable entries Ø20 mm for cable diameters 0–17 mm
- One elastic cable entry Ø25 mm for cable diameter 0–22 mm
- One elastic cable entry Ø32 mm for cable diameter 0–28 mm
- Two stainless steel external fastenings
- Cover strip for closing off unused separation units



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



Type	Terminals	Colour	Dimension LxWxH mm	Pack. pcs	Weight kg/100 pcs.	Item No.
<b>SDB 12 PS</b>	Screw	Light grey	286x202x125	1	141,000	<b>2008 81 2</b>
<b>PS</b> Polystyrene /pc.						

Surface-mounted distribution box, with protective insulation for max. 12 division units. There are 11 break-out openings (10x Ø20 and 1x Ø20/25/32) 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".

Suitable for interior and protected exterior mounting

Accessories:

- Terminal strip set consisting of: Three PE/N terminals each with 4x 16 mm<sup>2</sup> screw terminal points, mini hat profile rail, mounting instructions and fastening set
- Self-adhesive pictograms for installation labelling and labelling of the connected consumers
- Eight elastic cable entries Ø20 mm for cable diameters 0–17 mm
- One elastic cable entry Ø25 mm for cable diameter 0–22 mm
- One elastic cable entry Ø32 mm for cable diameter 0–28 mm



## Distribution box, 12 division units, empty

Type	Colour	Dimension LxWxH mm	Pack. pcs	Weight kg/100 pcs.	Item No.
<b>SDB 12L PS</b>	Light grey	286x202x125	1	120,000	<b>2008 83 2</b>
<b>SDB 12L PC</b>	Light grey	286x202x125	1	134,000	<b>2008 87 2</b>
<b>PS</b> Polystyrene <b>PC</b> Polycarbonate /pc.					

Surface-mounted distribution box, with protective insulation for max. 12 division units. There are 11 break-out openings (10x Ø20 and 1x Ø20/25/32) 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".

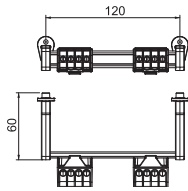
The PS distribution boxes suitable for mounting in interiors and on protected exteriors.

The PC distribution boxes are suitable for mounting for interior and exterior use.





### Terminal strip set with screw terminals for SDB 03



Type	Number of screwless terminals per pole	Pack. Weight		Item No.
		pcs	kg/100 pcs.	
<b>KLS-SDB 03</b>	4	1	7,990	<b>2008 88 0</b>

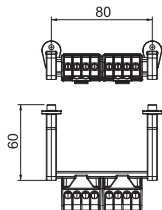
/pc.

Terminal strip set for the distribution boxes of the SDB series. The sets can be used to expand and equip empty distribution boxes of the SDB 03... type series.

The terminal strip set with screw terminals contains:

Mounting instructions; hat rail with corresponding support and fastening material; 16 mm<sup>2</sup> protective conductor terminal; 16 mm<sup>2</sup> neutral conductor terminal.

### Terminal strip set with screw terminals for SDB 05



Type	Number of screwless terminals per pole	Pack. Weight		Item No.
		pcs	kg/100 pcs.	
<b>KLS-SDB 05</b>	4	1	7,290	<b>2008 88 4</b>

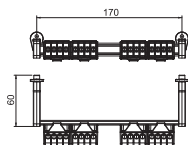
/pc.

Terminal strip set for the distribution boxes of the SDB series. The sets can be used to expand and equip empty distribution boxes of the SDB 05... type series.

The terminal strip set with screw terminals contains:

Mounting instructions; hat rail with corresponding support and fastening material; 16 mm<sup>2</sup> protective conductor terminal; 16 mm<sup>2</sup> neutral conductor terminal.

### Terminal strip set with screw terminals for SDB 09



Type	Number of screwless terminals per pole	Pack. Weight		Item No.
		pcs	kg/100 pcs.	
<b>KLS-SDB 09</b>	8	1	8,890	<b>2008 88 8</b>

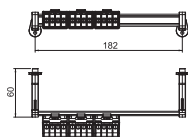
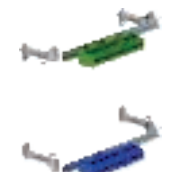
/pc.

Terminal strip set for the distribution boxes of the SDB series. The sets can be used to expand and equip empty distribution boxes of the SDB 09... type series.

The terminal strip set with screw terminals contains:

Mounting instructions; hat rail with corresponding support and fastening material; 16 mm<sup>2</sup> protective conductor terminal; 16 mm<sup>2</sup> neutral conductor terminal.

### Terminal strip set with screw terminals for SDB 12



Type	Number of screwless terminals per pole	Pack. Weight		Item No.
		pcs	kg/100 pcs.	
<b>KLS-SDB 12</b>	12	1	9,090	<b>2008 89 2</b>

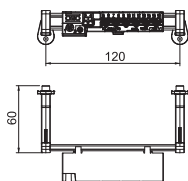
/pc.

Terminal strip set for the distribution boxes of the SDB series. The sets can be used to expand and equip empty distribution boxes of the SDB 12... type series.

The terminal strip set with screw terminals contains:

Mounting instructions; hat rail with corresponding support and fastening material; 16 mm<sup>2</sup> protective conductor terminal; 16 mm<sup>2</sup> neutral conductor terminal.

### Terminal strip set with screwless terminals for SDB 03



Type	Number of screwless terminals per pole	Pack. Weight		Item No.
		pcs	kg/100 pcs.	
<b>KLS-SDB 03S</b>		1	13,830	<b>2008 91 0</b>

/pc.

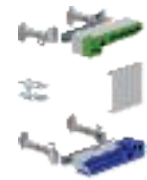
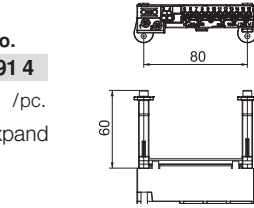
Terminal strip set for the distribution boxes of the SDB series. The sets can be used to expand and equip empty distribution boxes of the SDB 03... type series.

The terminal strip set with screwless terminals contains:

Mounting instructions; cover strip; hat rail with corresponding support and fastening material; one protective conductor terminal and one neutral conductor terminal each with two 16/25 mm<sup>2</sup> screw terminals and 2x 4 mm<sup>2</sup> and 12x 2.5 mm<sup>2</sup> screwless terminals.

### Terminal strip set with screwless terminals for SDB 05

Type	Pack. Weight		Item No.
	pcs	kg/100 pcs.	
<b>KLS-SDB 05S</b>	1	13,130	<b>2008 91 4</b>



Terminal strip set for the distribution boxes of the SDB series. The sets can be used to expand and equip empty distribution boxes of the SDB 05... type series.

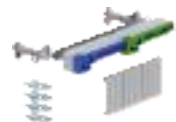
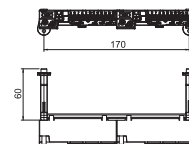
The terminal strip set with screwless terminals contains:

Mounting instructions; cover strip; hat rail with corresponding support and fastening material; one protective conductor terminal and one neutral conductor terminal each with two 16/25 mm<sup>2</sup> screw terminals and 2x 4 mm<sup>2</sup> and 12x 2.5 mm<sup>2</sup> screwless terminals.

/pc.

### Terminal strip set with screwless terminals for SDB 09

Type	Pack. Weight		Item No.
	pcs	kg/100 pcs.	
<b>KLS-SDB 09S</b>	1	14,730	<b>2008 91 8</b>



Terminal strip set for the distribution boxes of the SDB series. The sets can be used to expand and equip empty distribution boxes of the SDB 09... type series.

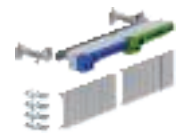
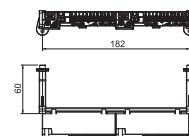
The terminal strip set with screwless terminals contains:

Mounting instructions; cover strip; hat rail with corresponding support and fastening material; one protective conductor terminal and one neutral conductor terminal each with two 16/25 mm<sup>2</sup> screw terminals and 2x 4 mm<sup>2</sup> and 12x 2.5 mm<sup>2</sup> screwless terminals.

/pc.

### Terminal strip set with screwless terminals for SDB 12

Type	Pack. Weight		Item No.
	pcs	kg/100 pcs.	
<b>KLS-SDB 12S</b>	1	14,180	<b>2008 92 2</b>



Terminal strip set for the distribution boxes of the SDB series. The sets can be used to expand and equip empty distribution boxes of the SDB 12... type series.

The terminal strip set with screwless terminals contains:

Mounting instructions; cover strip; hat rail with corresponding support and fastening material; one protective conductor terminal and one neutral conductor terminal each with two 16/25 mm<sup>2</sup> screw terminals and 2x 4 mm<sup>2</sup> and 12x 2.5 mm<sup>2</sup> screwless terminals.

/pc.

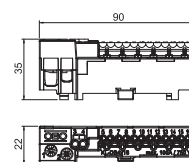
### Protective conductor terminal, with screwless contacts, 12 terminals



Type	Colour	Pack. Weight		Item No.
		pcs	kg/100 pcs.	
<b>KL-DBS12x02GRGN</b>	Grey / green	10	4,500	<b>2016 26 0</b>

PA Polyamide

/100 pc.



Protective conductor connection terminal with 12 2.5 mm<sup>2</sup> screwless terminal points; two 4 mm<sup>2</sup> screwless terminal points and two 16/25 mm<sup>2</sup> screw connection terminal points. For snapping onto 15 mm hat rails to DIN EN 50022.

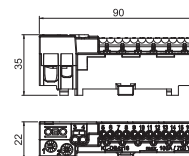
### Neutral conductor terminal, with screwless contacts, 12 terminals



Type	Colour	Pack. Weight		Item No.
		pcs	kg/100 pcs.	
<b>KL-DBN12x02GRBL</b>	Grey / blue	10	4,500	<b>2016 26 5</b>

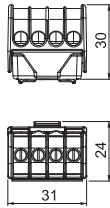
PA Polyamide

/100 pc.



Neutral conductor connection terminal with 12 2.5 mm<sup>2</sup> screwless terminal points; two 4 mm<sup>2</sup> screwless terminal points and two 16/25 mm<sup>2</sup> screw connection terminal points. For snapping onto 15 mm hat rails to DIN EN 50022.

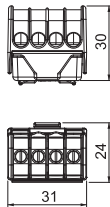
### Protective conductor terminal, with screw contacts, 4 terminals



Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
<b>KL-DBS4x16GN</b>	Green	10	1,980	<b>2016 25 0</b>
PA Polyamide				/100 pc.

Protective conductor brass connection terminal strip, steel screws, electrogalvanised and transparently passivated, nominal cross-section 6 - 16 mm<sup>2</sup>, nominal voltage 400 V, 1-pole, with terminal sockets, max. connectable conductors per terminal max. 4 x 16 mm<sup>2</sup>, 4 x 10 mm<sup>2</sup>, 8 x 6 mm<sup>2</sup> or 12 x 4 mm<sup>2</sup>.

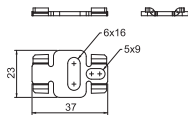
### Neutral conductor terminal, with screw contacts, 4 terminals



Type	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
<b>KL-DBN4x16BL</b>	Blue	10	1,980	<b>2016 25 5</b>
PA Polyamide				/100 pc.

Neutral conductor brass connection terminal, steel screws, electrogalvanised and transparently passivated, nominal cross-section 6 - 16 mm<sup>2</sup>, nominal voltage 400 V, 1-pole, with terminal sockets, max. connectable conductors per terminal max. 4 x 16 mm<sup>2</sup>, 4 x 10 mm<sup>2</sup>, 8 x 6 mm<sup>2</sup> or 12 x 4 mm<sup>2</sup>.

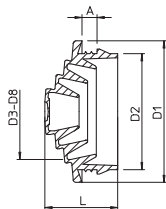
### External fastening/connection



Type	Pack. pcs	Weight kg/100 pcs.	Item No.
<b>AV-S</b>	20	0,900	<b>2007 99 0</b>
V2A Stainless steel, grade 304			

The convenient external fastening/connection means the cable boxes and small distributors 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.

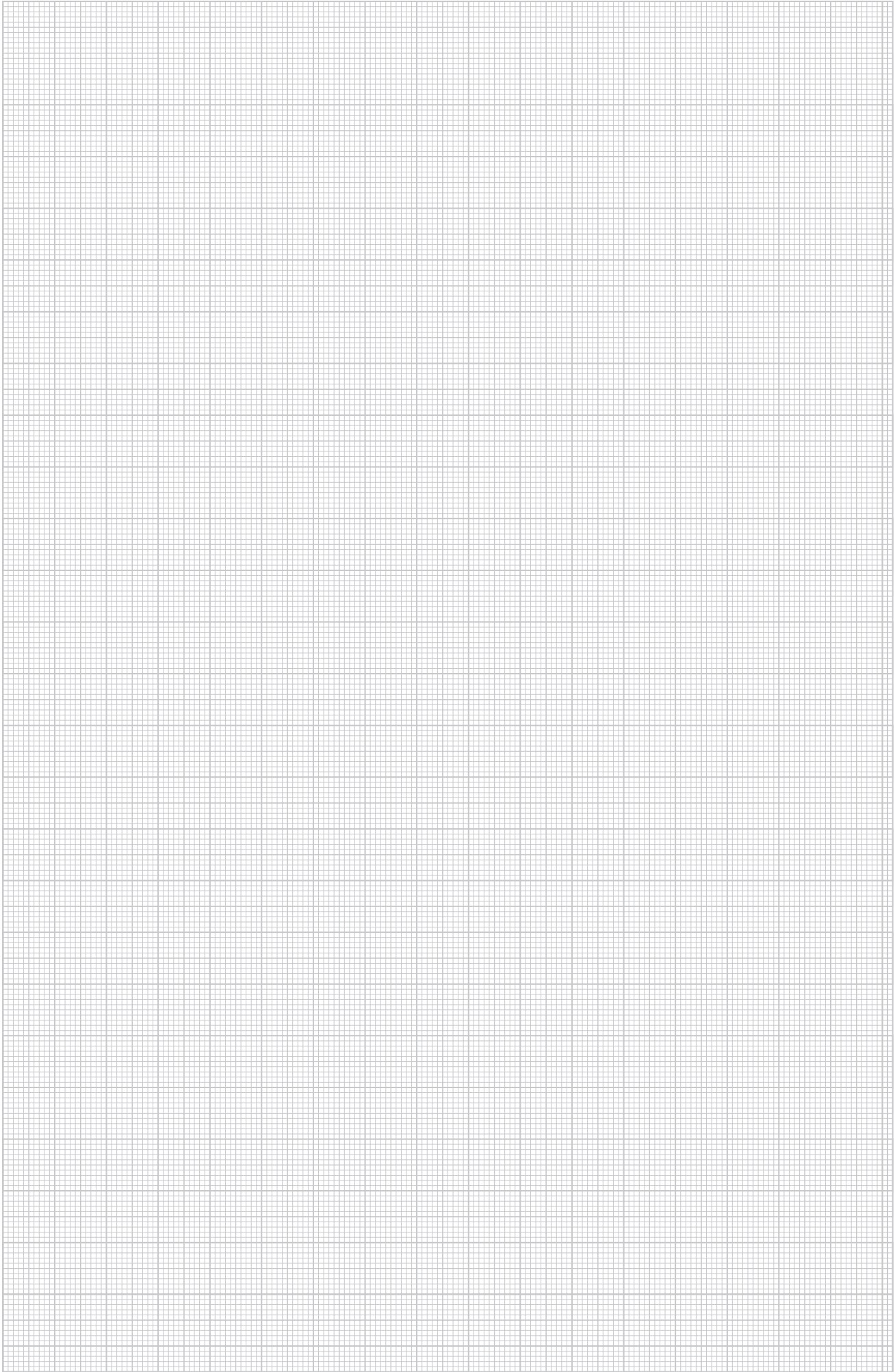
### EDS plug-in seal



Type	Size	For Ø mm	Colour	Pack. pcs	Weight kg/100 pcs.	Item No.
<b>EDS M20 LGR</b>	M20	0 - 17	Light grey	100	0,125	<b>2012 35 0</b>
<b>EDS M25 LGR</b>	M25	0 - 22	Light grey	100	0,185	<b>2012 35 4</b>
<b>EDS M32 LGR</b>	M32	0 - 28	Light grey	50	0,295	<b>2012 35 8</b>
PE Polyethylene						/100 pc.

The push-in nipple can be cut back to suit the relevant cable diameter.





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