



Producer  
electrotechnical  
equipment

# Product catalogue **2018**

**ELECTROTECHNICAL EQUIPMENT**

- Rail-mounted terminal blocks
- Connector strips and terminal blocks
- Electrical installation accessories
  - Modular devices
  - Junction boxes

Updated in January 2018

What is new in our trade offer:



| page 45 i 47

Al/Cu universal rail-mounted terminal blocks 300mm<sup>2</sup>



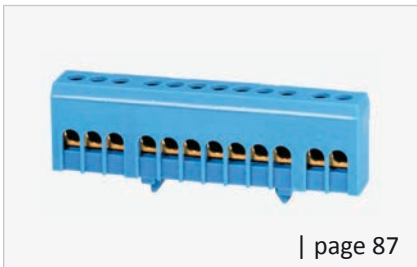
| page 48

Internally consistent universal rail-mounted terminal blocks Al/Cu



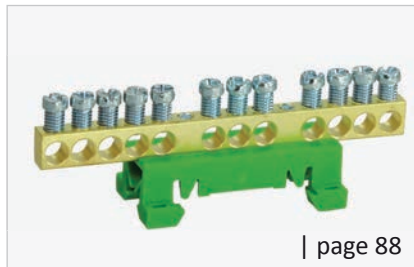
| page 56

Modular distribution blocks ShNK



| page 87

Protective and neutral connectors



| page 88

Protective and neutral connectors on a TS base



| page 105

New version of varistor surge protection certified by TÜV Rheinland



| page 107

New versions of digital electricity meters comply with MID directive



| page 108

Voltage indicators



| page 108

Modular bell



| page 121

New versions of junction boxes 70 and 80 mm



| page 138

Large surface junction boxes with IP67 N110x180S i N180x180S



| page 139

Junction box N6 in a new red colour



| page 145

Fire protection junction boxes



| page 152

Mounting holder for junction boxes E1006K, E107K

|          |  |          |          |   |
|----------|--|----------|----------|---|
| <b>1</b> | <b>Learn more</b>  | <b>7</b> |          |   |
| 1.1      | Rail-mounted screw terminal blocks for copper wires<br>NOWA series | 7        | 3.16     | Type V connectors 93  |
| 1.2      | Rail-mounted screw terminal blocks for aluminium and copper wires  | 9        | 3.17     | Socket mounted on a TS rail 94                                |
| 1.3      | Distribution blocks for aluminium and copper wires                 | 11       | <b>4</b> | <b>Electrical installation accessories 95</b>                 |
| 1.4      | Thermoplastic screw connector strips                               | 12       | 4.1      | Cable holders and rail insulators 95                          |
| 1.5      | PV series combined junction boxes for cavity walls                 | 14       | 4.2      | Membrane side covers 96                                       |
| 1.6      | Multibox 2 series  | 15       | 4.3      | Cable glands 97   |
| 1.7      | Junction boxes for mounting electrical devices                     | 18       | 4.4      | Cable clips 98  |
| 1.8      | Junction boxes with membranes                                      | 18       | 4.4      | Gel cable joints 100  |
| 1.9      | Flush wall junction boxes Multiwall series                         | 19       | 4.5      | Indicator lights 101  |
| 1.10     | Junction boxes FASTBOX IP54 series                                 | 20       | <b>5</b> | <b>Modular devices 103</b>                                    |
| 1.11     | E90 fire-resistant series  | 20       | 5.1      | Simtec varistor surge protection 103                          |
| <b>2</b> | <b>Rail-mounted terminal blocks 21</b>                             |          | 5.2      | Simlic digital electricity meters 107                         |
| 2.1      | Cu rail-mounted screw terminal blocks                              | 22       | 5.3      | Voltage indicators 108  |
| 2.2      | Cu distribution blocks   | 34       | 5.4      | Modular bell 108  |
| 2.3      | Accessories for Cu rail-mounted terminal blocks                    | 39       | <b>6</b> | <b>Junction boxes 109</b>                                     |
| 2.4      | Al/Cu universal rail-mounted terminal blocks                       | 44       | 6.1      | Flush mounted junction boxes 111                              |
| 2.5      | Al/Cu distribution blocks  | 50       | 6.2      | Junction boxes for cavity walls 124                           |
| 2.6      | Accessories for Al/Cu, Cu/Cu, Al/Al rail-mounted terminal blocks   | 53       | 6.3      | Junction boxes mounted on a TS35 rail 133                     |
| 2.7      | A through distribution block                                       | 55       | 6.4      | Junction boxes for mounting in expanded polystyrene 134       |
| 2.8      | Modular distribution blocks  | 56       | 6.5      | Surface junction boxes 135                                    |
| 2.9      | Screw self-clamping distribution blocks                            | 58       | 6.6      | Surface junction boxes - IP55 series 136                      |
| 2.10     | Electric main branch terminals                                     | 59       | 6.7      | Surface junction boxes - a series with high air tightness 137 |
| <b>3</b> | <b>Connector strips and terminal blocks 63</b>                     |          | 6.8      | Surface junction boxes - FASTBOX IP54 series 139              |
| 3.1      | Traditional orange series  | 65       | 6.9      | Surface junction boxes - series with IP54 rubber grommets 142 |
| 3.2      | Extra orange series  | 67       | 6.10     | Surface junction boxes - standard series 143                  |
| 3.3      | Standard series  | 69       | 6.11     | Fire protection junction boxes 145                            |
| 3.4      | Series with a pad  | 72       | 6.12     | Downlight cover 147   |
| 3.5      | Professional series for transformers                               | 74       |          | <b>Accessories for junction boxes 148</b>                     |
| 3.6      | Holder for a TS35 rail   | 75       | 6.13     | Extension rings 148   |
| 3.7      | Twisting connectors  | 76       | 6.14     | Location covers, MULTIWALL, MULTIBOX2 extension rings 149     |
| 3.8      | Porcelain terminal blocks  | 77       | 6.15     | Interconnectors 150   |
| 3.9      | Thermosetting screw connector strips                               | 81       | 6.16     | Covers 151  |
| 3.10     | Quick disconnect terminal blocks                                   | 83       | 6.17     | Mounting holder, mounting ring 152                            |
| 3.11     | Distribution connectors  | 85       | 6.18     | Tightening membranes, grommets 153                            |
| 3.12     | Protective and neutral connectors                                  | 87       | 6.19     | Grommets, mounting screws, insulating gel 154                 |
| 3.13     | Potential equalization bars  | 90       | 6.20     | Mounting clip 155   |
| 3.14     | Strip earthing bands   | 91       |          |   |
| 3.15     | Terminals for copper rails   | 92       |          |   |



**THE TRADE DEPARTMENT OF SIMET SA**

The Head of the Department is the Vice-President of Simet, Franciszek Hryniewiecki.

**Franciszek Hryniewiecki**

Vice President of Simet  
Trade manager

**DOMESTIC SALES**

The sale of products is carried out by the Trade Department of SIMET. It employs 5 regional representatives maintaining trade contacts with the domestic customers.



**Marcin Poździak**

tel. 502 49 66 52  
m.pozdziak@gppe.com.pl

**Pomeranian Area**

Localities:  
Szczecin, Koszalin, Słupsk, Gdańsk,  
Elbląg, Gorzów Wlk, Piła, Bydgoszcz,  
Toruń



**Arkadiusz Grodzki**

tel. 502 49 66 55  
a.grodzki@gppe.com.pl

**West Area**

Localities:  
Zielona Góra, Poznań, Leszno, Jelenia  
Góra, Legnica, Wrocław, Kalisz,  
Wałbrzych



**Zdzisław Matyszczyk**

tel. 502 49 66 56  
z.matyszczyk@gppe.com.pl

**Central Area**

Localities:  
Włocławek, Płock, Konin, Skierniewice,  
Warszawa, Sieradz, Piotrków  
Trybunalski, Radom, Łódź



**Artur Woźniak**

tel. 502 49 66 53  
a.wozniak@gppe.com.pl

**South Area**

Localities:  
Opole, Częstochowa, Katowice,  
Kraków, Bielsko Biała



**Janusz Smolak**

tel. 502 49 66 51  
j.smolak@gppe.com.pl

**East Area**

Localities:  
Olsztyn, Suwałki, Ciechanów, Ostrołęka, Łomża, Białystok, Siedlce, Biała  
Podlaska, Lublin, Chełm, Kielce, Tarnobrzeg, Zamość, Tarnów, Rzeszów,  
Przemyśl, Nowy Sącz, Krosno

**FOREIGN SALES**

The export of goods is managed by foreign trade department.



**Justyna Paszkiewicz**

tel. +48 75 64 71 481  
export@simet.com.pl



SIMET was established in 1970 as SIMET Disabled Workers Cooperative.

At that time it produced simple metal and wood household goods. In the 80s the company started to produce items from thermoplastic and thermosetting materials and was able to develop. Assembly and production of electric devices (e.g. telecommunication exchanges) were introduced. This was the time when the company was active as Telkom Simet and employed about 1500 workers.

In 1997 the key decision for the company was to change into a joint stock company with shares owned by workers. At this point an intensive development of the manufacturing of electrotechnical equipment started. The company is situated near the borders of Poland, the Czech Republic and Germany, which is very advantageous for its cooperation and trade activity.

The main activity of Simet is manufacturing items from plastic and metal – especially for electrotechnical industry, in which the company is the leader of the domestic market.

In April 1999 intensive activities aiming at increasing quality of the functioning of the company resulted in certification under ISO 9001 Quality Management System. Nowadays, the company works on the basis of the latest version of ISO 9001 Quality Management System and ISO 14001 Environmental Management System, and these systems are under constant development.



Production machines.



Research laboratory for quality control.



Production and warehouse halls.



Montage for cooperation.



Warehouse of production components.



Montage of junction boxes.

Our profile of production includes these groups of products: rail-mounted terminal blocks, thermoplastic and thermosetting connector strips, and the widest range of junction boxes on the Polish market. Our offer also includes additional products to complement our own products.

Simet's production and trade activity is supported by the cooperation within the Polish Electronics Manufacturers Group (GPPE) with Spamel from Twardogóra and SI Powstaniec from Karpicko.

As it comes to international partnerships, Simet has close cooperation with F-tronic from Germany and Morek from Estonia.

The company conducts a wide activity in cooperation projects.

Examples of some of the cooperation projects from the past and present:

- a complete assembly of air nozzles for cars of renowned brands from Western Europe, for Dr Schneider from Germany
- a complete line for assembly of overcurrent and differential current switches for a German company GEYER
- manufacturing of parts and complete mechanisms and assembly of electric and electronic parts for SAIA Burgess (Switzerland, Germany) – a producer of step motors used, among others, in automotive industry
- manufacturing of connectors for lighting – cooperation with Philips Lighting
- completion of cable connectors for power plants for Jean Mueller from Germany
- assembly of conductors and equipment for lighting cases for Cooper Crouse-Hinds from Germany
- manufacturing of electrotechnical parts for EATON from the USA, branch in Germany
- manufacturing of electrotechnical parts for the Swiss branch of Johnson Electric – a household devices motors and switches producer
- manufacturing of components for automotive industry for FAHRZEUGELEKTRIK PIRNA GMBH & CO. KG,
- manufacturing of parts from plastic used in electronics, for Fideltronik Polska

Joint stock company SIMET conducts its activity in modern production rooms of 17.6 thousand m<sup>2</sup> space for production and storage, located just by one of the main thoroughfares of Jelenia Góra.

SIMET SA is the biggest Supported Employment Enterprise in our region, employing about 180 disabled persons out of 300 employees. The annual turnover is about 13 million Euros.

The NOWA series was designed according to the latest trends and usability needs functioning on the market of terminal blocks mounted on a TS 35 rail. The series has many innovative solutions that make them easier to use in installation works. The series includes terminal blocks of cross-connections from 2.5 to 120 mm<sup>2</sup>. They are used in switching stations, cable connections, switching boxes, control cabinets and electrical devices.

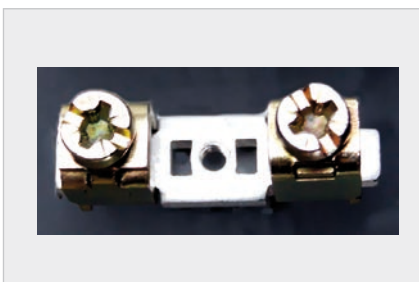
The main features concerning the usability that provide its high quality are:

- a modern screw clamp – we combined steel and galvanized copper - so that high pressure can be applied and a cable is more stable. A slightly springing back upper part of the clamp protects against unsoldering of the connector.
- cross screws used in clamps of connectors from the range of 2.5 to 10 mm<sup>2</sup>. They give a possibility to tighten the screw mechanically or manually. In the connectors of 16 to 120 mm<sup>2</sup> range a hex screw is used, as it makes it possible to use higher tightening torques of the conductors.
- current paths - made of brass, coated with a galvanic film. They give optimum conditions for a joint with a minimum voltage drop and an anti-corrosive protection.
- a body - made of polyamide PA66. It has high quality electrical and mechanical properties. It has very good fire resistance and is a halogen free material of V0 class. Its operating temperature is -25 to +125 °C.
- small dimensions - the new construction is designed to save the room in the mounting site. The size of these terminal blocks in their class is unusually small.

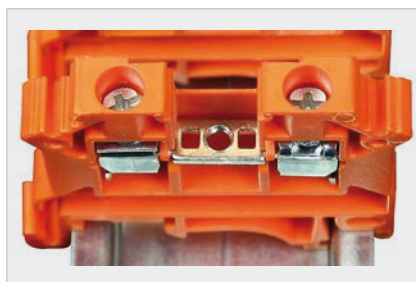
The main advantage of the new series of rail-mounted terminals is the possibility to use supplementary accessories, like the latest generation cross-connections (bridges):

- a screwable cross-connection - makes it possible to connect the current paths of rail-mounted terminals easily and firmly. Its construction, integrated with an isolating element, results in a quick and safe assembly.
- a pluggable cross-connection – the latest generation cross-connection that is very quick and convenient to use. All you need is to press it into the current path, without any tools. The novelty of this type is the possibility to use bridges alternately, where you can bridge any number of joints by a 2-pole cross-connection, for example.

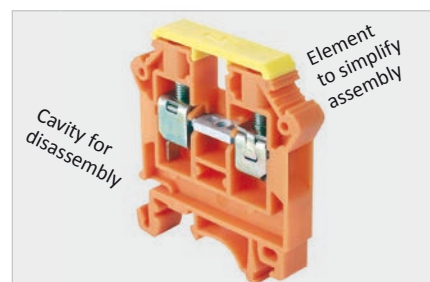
The cross-connections make it possible to break away the inside poles to give a possibility to connect terminals that are not neighbouring.



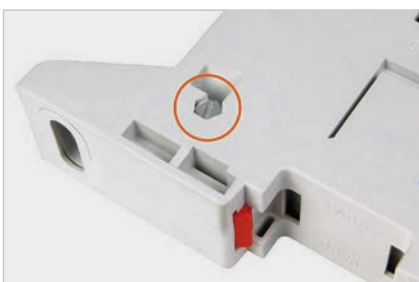
Cross screws used in clamps of connectors from the range of 2.5 to 10 mm<sup>2</sup>.



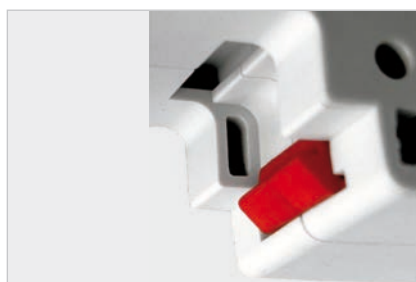
Universal current path for screw-cross and pluggable cross connection.



Easy mounting on TS35 and TS32 rails.



Screws for holding the body.



Clamp for mounting on rail.



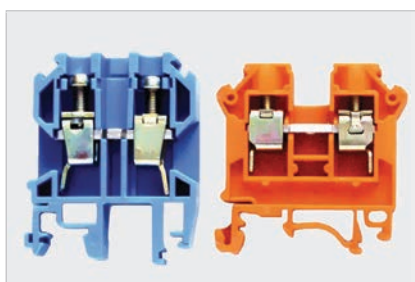
The pin fastening the adjacent connectors: 16, 36, 70 and 120 mm<sup>2</sup>.

Comparison of the symbols of NOWA series and standard series:

| Cross-section (mm <sup>2</sup> ) | Colour   | NOWA series   |              | Standard series |              |
|----------------------------------|----------|---------------|--------------|-----------------|--------------|
|                                  |          | Catalogue No. | Product name | Catalogue No.   | Product name |
| 2.5 <sup>□</sup>                 | Red ●    | 11 221 311    | ZSG1-2.5Nc   | 12 201 311      | ZSG1-2.5c    |
|                                  | Grey ●   | 11 221 312    | ZSG1-2.5Ns   | 12 201 312      | ZSG1-2.5s    |
|                                  | Blue ●   | 11 221 313    | ZSG1-2.5Nn   | 12 201 313      | ZSG1-2.5n    |
|                                  | Yellow ● | 11 221 314    | ZSG1-2.5Nz   | 12 201 314      | ZSG1-2.5z    |
|                                  | Orange ● | 11 221 318    | ZSG1-2.5Np   |                 |              |
| 4 <sup>□</sup>                   | Red ●    | 11 321 311    | ZSG1-4.0Nc   | 12 301 311      | ZSG1-4.0c    |
|                                  | Grey ●   | 11 321 312    | ZSG1-4.0Ns   | 12 301 312      | ZSG1-4.0s    |
|                                  | Blue ●   | 11 321 313    | ZSG1-4.0Nn   | 12 301 313      | ZSG1-4.0n    |
|                                  | Yellow ● | 11 321 314    | ZSG1-4.0Nz   | 12 301 314      | ZSG1-4.0z    |
|                                  | Orange ● | 11 321 318    | ZSG1-4.0Np   |                 |              |
| 6 <sup>□</sup>                   | Red ●    | 11 421 311    | ZSG1-6.0Nc   | 12 401 311      | ZSG1-6.0c    |
|                                  | Grey ●   | 11 421 312    | ZSG1-6.0Ns   | 12 401 312      | ZSG1-6.0s    |
|                                  | Blue ●   | 11 421 313    | ZSG1-6.0Nn   | 12 401 313      | ZSG1-6.0n    |
|                                  | Yellow ● | 11 421 314    | ZSG1-6.0Nz   | 12 401 314      | ZSG1-6.0z    |
|                                  | Orange ● | 11 421 318    | ZSG1-6.0Np   |                 |              |
| 10 <sup>□</sup>                  | Red ●    | 11 521 311    | ZSG1-10.0Nc  | 12 501 311      | ZSG1-10.0c   |
|                                  | Grey ●   | 11 521 312    | ZSG1-10.0Ns  | 12 501 312      | ZSG1-10.0s   |
|                                  | Blue ●   | 11 521 313    | ZSG1-10.0Nn  | 12 501 313      | ZSG1-10.0n   |
|                                  | Yellow ● | 11 521 314    | ZSG1-10.0Nz  | 12 501 314      | ZSG1-10.0z   |
|                                  | Orange ● | 11 521 318    | ZSG1-10.0Np  |                 |              |



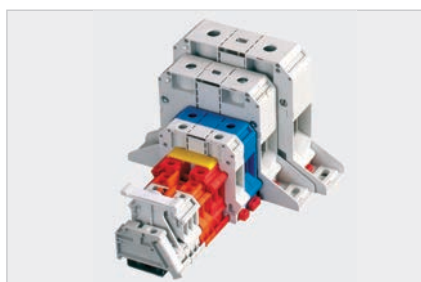
Spacers mounted into a body.



Comparison of the size of the NOWA series to the old terminal.



Terminal blocks 70 and 120 mm<sup>2</sup> with closed bodies.



NOWA series - from 2,5mm<sup>2</sup> to 120mm<sup>2</sup>.



Screw cross connection.



Pluggable cross connection.



OTL universal terminal blocks were designed to connect copper and aluminium wires in one clamp. These two conductors can be used at the same time, or one type at a time.

They are dedicated to all kinds of Al and Cu conductors with a cross-section up to 300 mm<sup>2</sup>, that is, to single wires and to (stranded) multiwire cables. In standard connections conductors may be branching in one connector without the use of cross-connections. OTL connectors guarantee IP20 protection.

The body insulating the clamp inside the OTL terminal block is made from a halogen-free PA66 polyamide in V0 flammability class. The conducting parts of the connectors are made from homogenous tinned aluminium. The connectors have specially shaped profile with a milling in the lower part to prevent a conductor from pulling out from under the clamping screw. The hex head screws are made from tinned aluminium, the contact surfaces are covered with a SR-1 contact grease, which can be bought separately.

The operating temperature of these terminal blocks is from -25 °C to +80 °C.

Correct conductivity of the connection comes from the application of a screw clamp. The screw is screwed with a hex key in 4, 5, 6 or 8 size depending on the size of the clamp. The screw presses conductors in the clamp on the whole width of it, so the pressure on all conductors is the same.

OTL connectors can be installed in the distribution cabinet on standard DIN rails (all sizes of terminal blocks) or on mounting plates with the use of flat screws (for connections of 95mm<sup>2</sup> – 300 mm<sup>2</sup>).

OTL connectors are certified under EN 61238-1, EN 60947-7-1 and EN 60998-2-1 standards, which allow them to be used in industrial installations as main connection and in electricity distribution systems. According to EN 61238-1 standard, OTL connections can be part of industrial distribution installations and conform to Class A demands.

Al/Cu terminal blocks are manufactured as in UL94 standard, in V0 class and have a CE declaration of conformity.

Distribution blocks meet the requirements of PV photovoltaic installations for direct current. The whole production process is conducted in Finland.

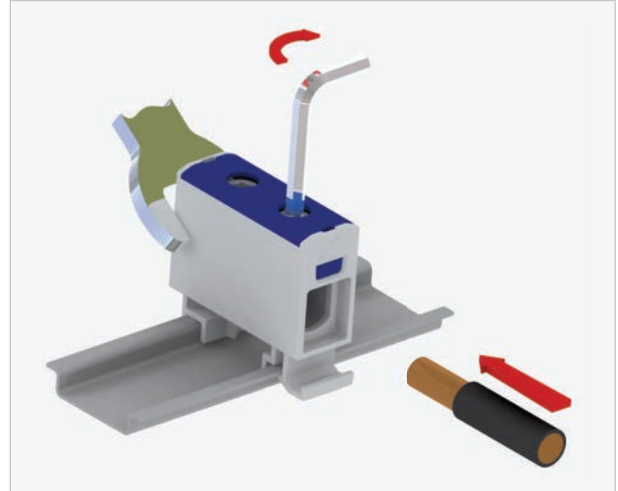
Details of installation:

1. In terminal blocks we can connect wires of just one material (copper or aluminium) or both types at the same time in one terminal block.
2. We should not use both copper and aluminium wires in one clamping hole, as these materials have different squeezing properties and would be clamped in different ways.
3. Both in outputs and inputs we can insert many insulated conductors. The construction of the clamp gives an even pressure on the whole surface.
4. It is possible to connect wires of different cross-sections in one clamping hole, but the difference between their sizes can be no more than 1 cross-section class, e.g. 1,5 mm<sup>2</sup> wire and 2,5 mm<sup>2</sup>. It is unacceptable to connect wires like 1,5 mm<sup>2</sup> and 4 mm<sup>2</sup>.

Features of MOREK terminal blocks:



Wire connection using MOREK terminal blocks.



The wires are assembled using wrenches.



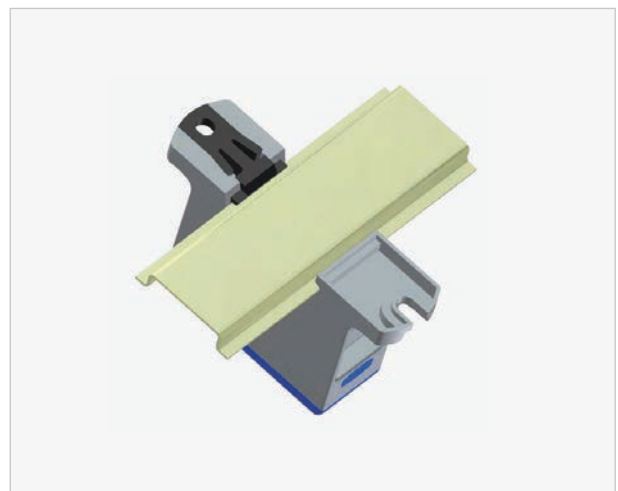
The clamp is made of a uniform flat bar covered with a special coating. Clamp screws are covered with SR1 contact paste..



Terminal block is easy to disassemble. Just press the appropriate latches.



Installation of the connector directly to the base with screws.



Installation of the connector on TS35 rail with a special piece.

Distribution blocks are used to distribute power and energy from one main circuit to many smaller ones. They make it possible to create mixed connections of Al and Cu input wires. The block has hex clamping screws that fix the wires firmly. Its construction is made of one aluminium profile that is galvanized with tin.

The body of the block can be mounted on a DIN rail or on a mounting plate. These blocks are available in grey (RAL 7035). Their maximum operating temperature is 80°C. The case of all types of constructions has IP20 protection. The distribution blocks have dark transparent plastic upper cover, which allows mounting and dismantling conductors of smaller cross-sections (outlet conductors).

Examples of distribution block constructions:



View of the distribution block from the branches.



View of the distribution block with the open flap.



View of the input clamp.



View of the output clamp.



View of the distribution block from the branches



View of the distribution block with the open flap.



View of the input clamp.



View of the output clamp.

Thermoplastic screw connector strips are traditionally used in the electrotechnical industry. Our 30-year experience and our prominence both on the Polish and the European market have made us leaders in this product range. The connector strips are applied to junction boxes, lighting systems, electric cabinets and other electrotechnical works.

The so-called “12-line connector strips” are commonly used to connect both single-conductor and multi-conductor wires. The series of types that Simet offers can be used to connect wires from 0,5 mm<sup>2</sup> to 35 mm<sup>2</sup>. Nowadays, our products are categorized into 5 series and into accessories used with thermoplastic connector strips.

#### Traditional orange series

This is a product commonly used in basic electrical installation works. Used mostly in lighting systems, connections in junction boxes and other connections in low voltage currents. A good price, an exceptional ease to separate current paths and a soft flexible material of the body are the main advantages of this series. The body is made from polyethylene, which makes it very easy to divide the connector strip into a desired number of current paths using a simple utility knife or by twisting. The connector has mounting slots that are used to fasten it to the base or to a holder to make it possible to mount it on a TS35 rail. The current paths in this product are made from firm brass and they have galvanized screws. The operating temperature ranges from -40 to +55 °C.

#### Extra orange series

It's a series of popular connectors among users that want something more for installation works. Used, like the traditional series, in lighting systems, connections and branchings in junction boxes and other low voltage works. A good price, an exceptional ease to separate current paths and a soft flexible material of the body are the main advantages of this series. Its distinctive feature are the body's properties. The body is made from non-flammable polypropylene, which is also very easy to divide into a desired number of current paths using a simple utility knife or by twisting. The connector has mounting slots that are used to fasten it to the base or to a holder to make it possible to mount it on a TS35 rail. The current paths in this product are made from firm brass and they have galvanized screws. The operating temperature is higher and it ranges from -40 to +85 °C. It is also self-extinguishing. It is a safe product that has a wider usage than the traditional series.



Firm brass clamps



Easily divide the system into lines.



Slots for easy fastening to the mounting plate.



Rounded edges that are comfortable in use.



Body made of nonflammable polypropylene.

### Standard series

The standard series is a product used in industrial installations, especially when the quality of the connection should include increased durability and resistance to weather conditions. Its distinctive feature is the material that is used for the body – polyamide PA6, and a galvanized brass clamp, that is more resistant to corrosion. The material used here is elastic, so it's not prone to cracking. It has good electrical and mechanical properties (resistance to electrical breakdowns or electrical tracking of CTI> 600, operating temperature from -40 to +85 °C, long-term performance in increased temperature up to +85 °C.) It does not contain halogen.

The material has assembly slots that have special notches that make it easier to cut the strips into segments.



Easily divide the system into lines.



Polyamide PA66 – a self-extinguishing material.



Galvanized screws .

### Professional series polyamide PA66 – halogen-free self-extinguishing material

The professional series of connector strips is made in accordance with the German VDE standard. Its distinctive feature is the body, that is made of the best material. It is polyamide PA66, that can be used in high temperature. It has good electrical and mechanical properties (resistance to electrical breakdowns or electrical tracking of CTI>600, resistance to thermal ageing, operating temperature range of -40 to +125 °C, short-term peak power operating in the temperature up to 200 °C.) It does not contain halogen (no silicon connections, PCB or dioxin).



Increased space between the lines.



Polyamide PA66 – a self-extinguishing material.



Galvanized screws and clamps.

### Series with a steel plate Polyamide PA66 – self-extinguishing material

Just like the professional series it is made from Polyamide PA 66 and basically, when it comes to the body and clamp, it is similar to those connectors. The distinctive feature is a steel plate that is inside the connector. Its role is to make the pressure of the screw safer for the conductor. This feature is useful in situations when there are temporary disconnections of conductors or where it is not possible to control the clamp for a long time. This connector is also useful in places where there is periodical pressure that might break the conductor. The material of the conductor is pressed on a longer area and makes the connection safer.



Polyamide PA66 – a self-extinguishing material.



Galvanized screws and clamps.

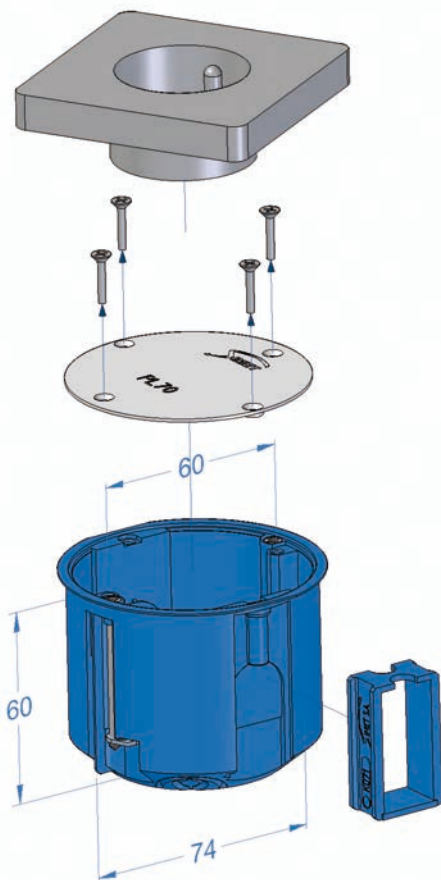
### PV series combined junction boxes for cavity walls

PV series of junction boxes is an exceptional series of products because of their functions. The series consists of 4 basic boxes for devices and branchings. They can be combined into frame sets with a 71mm spacing (for 60mm boxes). Combining takes place with the use of KD71 interconnector, which matches all of these boxes and PST60 boxes for polystyrene foam insulation. The body of these boxes is made from the highest quality material used in electrotechnics – non-flammable halogen-free Polyamide PA6. It complies with the most strict requirement – resistance to heat of 960 °C. P60K and P60D boxes can also be used as branching if we use PL60 cover.



### PV series

(Connected junction boxes of PV series - PV80, PV70, PV60K, PV60D, PST60 and KD71).



A very important part of the construction of these boxes is the two holes with a 60mm spacing. They make it possible to mount fittings. The box has an enlarged diameter so the inside is much bigger now.



The cover tightly matches the rim of the box to create an even surface.



Convenient knockouts for  $\varnothing 20$  conduits to connect them perpendicularly.



Combined boxes allow the user to apply the installation technique that puts electronic devices in the space next to the fitting.

## MULTIBOX 2

It's been almost 10 years since we introduced an innovative Multibox series. It is a series of four junction boxes for cavity walls that has its unique character – the idea of a multi-pole installation box. Since that time many manufacturers of junction boxes have applied this idea. Now it is a common solution in frame fittings installations. The second generation deals with bigger issues – it meets the requirements of the implementation of IT solutions and automation of buildings. The new series is called Multibox2. Recently, it has been enlarged by a P6x60D six-pole box and its cover version named P6x60DP.

### More space

A new construction of the body and the new type of a fixing handle made it possible to enlarge the space inside the box without changing the outside dimensions. Seems impossible, isn't it? A new system to branch conductors under mounted devices requires more space and our new boxes had to meet the challenge. In total the inside of a Multibox 2 is 20% larger, giving not only convenience but also new installation possibilities.

### More functionality

Unlike the previous boxes - the idea of new boxes relies on removable partitions that separate individual installation poles. They work as an insulation to separate electric parts from electronic ones and they increase stiffness of the construction. The partitions have knockouts in their lower part for conduits and connections that go at the bottom level of the box. A modernised bottom makes it easier to cut openings for conduits. It is possible to put neighbouring boxes together by  $\varnothing$  16 mm conduits. The boxes can be mounted on very thin walls - even 1 mm thin (from a metal plate or plastic) because of the new construction of fixing handles.



## More universality

What makes this box universal is the possibility to adjust the box to individual needs, that are often far from standard, of conditions of installation. The Multibox 2 series can be equipped with accessories that were already on offer in Simet, but give new application possibilities.

The main innovation that increases the universality is the adjustment of the box to be used as a distribution box fully or partially, that is, to close the inside of the box with covers (PM1 or PM2). This feature is useful especially when mounting electric, electronic and IT devices together in one body of the box. Also new connection covers (PKS60) can be used with them. They are applied to let conductors out from the closed box (e.g. to connect directly the electric installation of built-in kitchen equipment that has wires without plugs.)

## More satisfaction

The new series is the reason for Simet's satisfaction and pleased installers. The previous series generated considerable sales and was an important aspect of the development of Simet's production. We are proud of our new series, as we are sure that its innovative features will please both electrical installers and investors. These ideas resulted not only from working on paper, but they are also the answer to new practice and electrical installation conditions. They are what electrotechnical, construction, and partially IT sectors need. These days everything changes very quickly, so you don't need to wait for the next generation – Multibox3 - long. It will be shown in autumn 2017.



New holders to mount boxes on very thin walls – 1mm thick.



Removable partitions with knockouts. They are convenient when leading conductors between the poles.



Knockouts for boxes are tight (airproof) for full insulation of air flow in the body of a box.



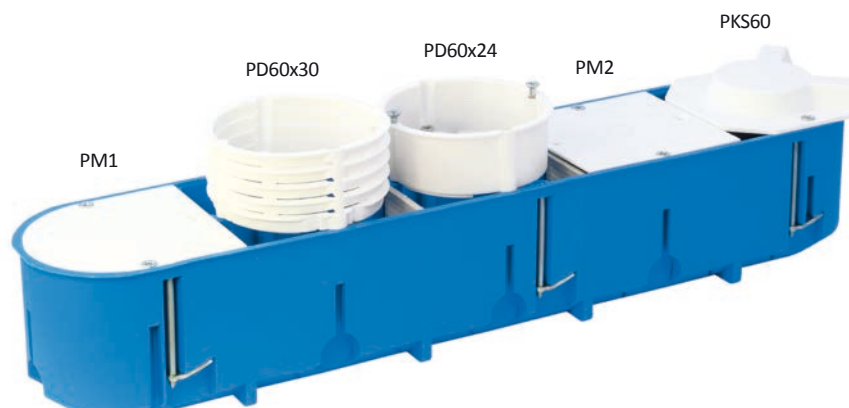
Optional PM1 and PM2 covers (that close each pole)



PKS60 cover for letting the conductors out of the box give more possibilities of usage apart from mounting equipment



PDM60Z and PDM60W - inside and outside distance spacing.

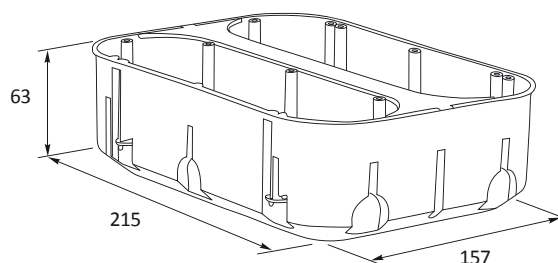




A 6-pole multigang box for cavity walls – absolutely new. Multibox 2 series is the essence of innovative solutions and, again, it does not fall short of expectations, as it offers new useful installation functions. This innovative product has a special task – to get rid of the wiring mess from the back of a TV cabinet and to adjust to what is used on these cabinets (in a sense of electric installations). In other words – to minimize the number of power strips on floors and to enlarge the number of sockets mounted in one installation block. An extra version with a cover adds a possibility to create branches.

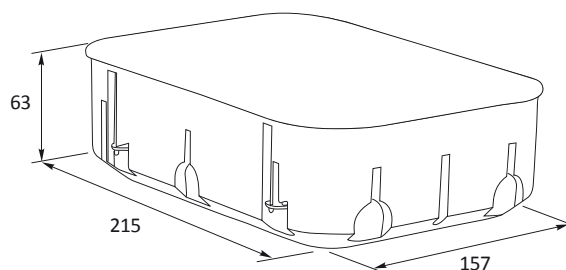
### P6x60D

This box is the continuation of the production line of Multibox 2 boxes for cavity walls. That was a task of a “mission impossible” category. It was about increasing the number of poles in a multigang box into more than 5. The limitations of this project resulted from the lack of a 6-pole frame on the market. Nobody from the manufacturers of sockets and interconnectors produced them. The solution came quickly – if we don’t have the 6-pole frame we can use two 3-pole ones! These are mounted horizontally one under the other. To ensure the right installation we used a special inner partition between the frames to cover the space, which made it possible to use the majority of frames offered by various producers. This box offers a tight mounting (in a block) of many sockets directly on the wall, to avoid not aesthetic branches in extension leads or power strips. The number of various types of sockets has increased in the last few years, as next to the electric sockets are mounted: network sockets, TV sockets, loudspeaker sockets or antenna sockets. Like the whole Multibox 2 series, these boxes are made of a self-extinguishing halogen-free material in a firm and compact construction. For demanding installers and modern users this product meets new challenges of installations in intelligent buildings.



### P6x60DP

A P6x60DP box is a sister of a P6x60D box. They are like sisters – similar on the outside, but completely different inside. This one is used for different situations and that is why it doesn’t have a partition inside and was given a nice hat – a cover to close the inside. The electrotechnical task of this box is to obtain a large space in the cavity wall to mount electric or electronic equipment.



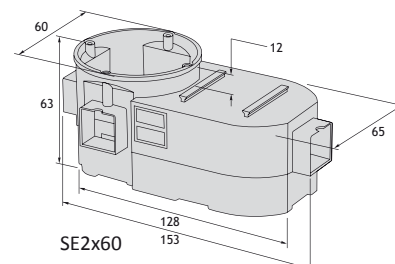
SE2x60 and SE2x60G boxes are prepared to mount specialized electric and electronic devices. The inside was widened to make it possible to put extra elements next to the built-up collar of a box of a steering device. There is also a possibility to use the whole interior of these boxes for putting different devices in them. The boxes are closed with a PL60 cover. The boxes have a serial construction and can be combined into multiple blocks. They are made of two separate elements that are put together by catches. This gives a possibility to mount larger elements inside.

**SE2x60**

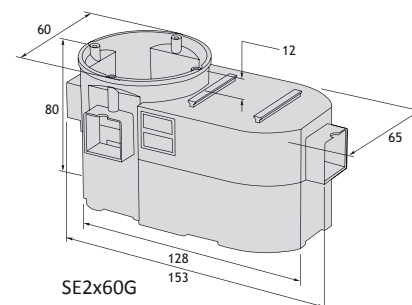
Closing of the space in a box with a smooth cover for the upper rim (PL60)

**SE2x60G**

Guides to mount a TS35 rail. They also increase the ability of plaster to stick to the box. The inserted rail stiffens combined boxes. A possibility to fix the box on a rail in a distribution cabinet.



SE2x60



SE2x60G

## 1.8

## JUNCTION BOXES WITH MEMBRANES

A novelty in the standard junction boxes range is the series with flexible membranes. Commonly called “windproof”, as they are tight where conductors are coming in, through a protective pipe or conduit. Letting the conductor through the punctured rubber makes the installation airtight. It also makes installation works quicker and easier. These boxes are usually used in passive housing, intelligent buildings and other buildings with a specified air flow.



Multiwall series - a series of multi-pole flush wall boxes. This type consists of four boxes, namely 2-, 3-, 4- and 5-pole boxes. The idea comes directly from our ground-breaking series of multi-pole boxes for cavity walls, named Multibox. The possibility of mounting more than one device has become common in Poland, but the features of the Multibox series were not enough for the new series to succeed.



**The inside** - These boxes are equipped with removable partitions that have knockouts at the end to make it possible to lead some conductors that will connect mounted devices. The conductors go through the lower parts of partitions. The possibility to remove the partition is designed to make it easier to reach the lower part of the box, where conductors may be put, or to take the partition out if it is not needed.

The point of using partitions results from the rule to separate electric parts from electronic ones if they are neighbouring. The partitions make the construction of these boxes stiffer, which is important, because their long side walls could be deformed during masonry works. Inside the boxes there aren't any neckings to use as much of the space as possible. The size of the interior of the box has become our priority, because there is more and more equipment but the boxes must stay the same size. It results from the size of traditionally used tools to cut holes for boxes and the limited area in the walls.

**Accessories** - In a standard product that we sell the boxes are equipped with 2 'half-partitions' and 4 mounting screws (M2x60F) and 4 'half-partitions' and 8 mounting screws (M3x60F), respectively. As it often happens with high-quality flush wall boxes, to make it easy to mount boxes and later to uncover the boxes, a cover indicating location can be used. There are two covers for that: PS1 for covering the outmost parts of the box and PS2 for the central part (P3x60F). That means, to cover the whole M2x60F box we need 2 PS1 covers and to cover a M3x60F box we need two PS1 and 1 PS2 cover. In practice the PM1 and PM2 covers ensure universality of the boxes. Just as the covers indicating location, they close the box, with PM1 covering the outmost parts and PM2 the central poles (used only with M3x60F boxes). Closing parts of the box allows the user to mount some other controlling devices or equipment in the open parts.

To cover the closed box with plaster better, you can use traditional PD60x12 extension rings (12 mm thick) or PD60x24 (24 mm). In this case, like in classic electronics boxes (SE2x60 and SE2x60G), the equipment is mounted over the surface of the box.

## Extension rings for Multiwall and Multibox2 series

PDM60Z and PDM60W extension rings give new possibilities to improve usability of boxes. The two models we introduced to the market lengthen the whole space of the box – PDM60Z for the outmost poles and PDM60W for the central poles. They are made in segment technology – it is possible to choose their height from 6 to 30 mm (you can cut off 6 mm rings) as needed. They are mounted with screws, that are in the set, to the slots in the box. Each segment of the ring has slots for mounting them to the front of connectors or sockets with a spacing of 60 mm.

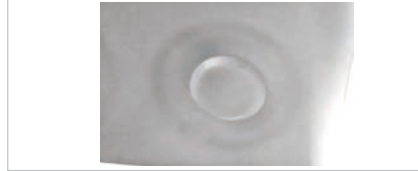


It is a series of boxes commonly used due to easy mounting of branches of current and electric appliances. They are made of a typical electrotechnical material and they have self-clamping covers to make installation quick. Their price, as compared to their performance, makes them a very attractive product both for housing and industrial buildings.

Advantages:



Self-clamping cover.



Grommets easy to cut off (view from the inside and outside)



Holders for fixing that enable levelling  
High IP class of a box



High IP class



The best value for money

A group of specialized boxes for fire protection systems. They allow the installation to keep the electric circuits working that give power to devices responsible for fire signaling and control devices of the installations that work during fire. The fire resistance class of 8135PO boxes is E90. In practice, that means the power is on in these installations for 90 minutes in case of fire. The boxes are equipped with porcelain clamps, with a possibility to mount to walls on special metal posts that protect the clamps from a quick destruction on the surface of the wall.



### Fire protection junction boxes BS series

A BS series boxes can be used in fire protection systems for:

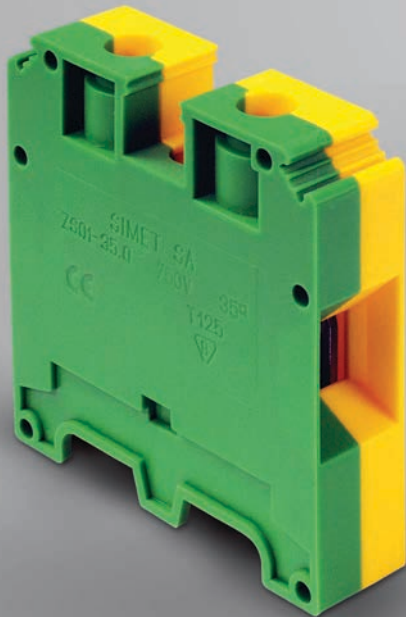
- power delivery to fire protection devices, like smoke vents, systems of a central battery for emergency lighting, actuators of flaps, switchboards of a system of signalling about fire, sound alarming, fumigation control etc.
- data transmission in fire signalling systems
- installations of DSO loudspeakers, acoustic and optical SSP signalling devices
- in wooden houses and other buildings with a higher risk of fire

It is proven in research and documents that the boxes:

- are a halogen-free material, of increased heat resistance
- are made and tested as in DIN 4102-12 standard
- have a VDE certificate
- keep the electric circuit working in E90 class
- are possible to use legally in the European Union, as the boxes are accepted by ETA, confirmed by research in an accredited by the EU research institute in Austria: Brandschutztechnik und Sicherheitsforschung GMBH LINZ



# RAIL-MOUNTED TERMINAL BLOCKS



**PROTECTIVE TERMINAL BLOCKS**  
4 - 95 mm<sup>2</sup>



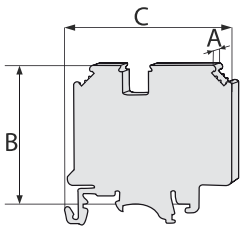
**NOWA SERIES**  
2.5 - 120 mm<sup>2</sup>



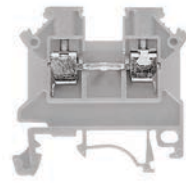
**DISTRIBUTION BLOCKS**  
2.5 - 240 mm<sup>2</sup>



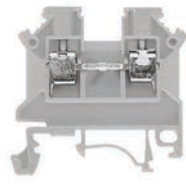
**Al/Cu SERIES**  
16 - 300 mm<sup>2</sup>



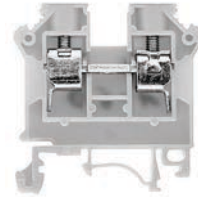
ZSG1-2.5N



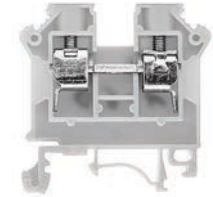
ZSG1-4.0N



ZSG1-6.0N

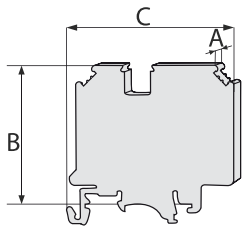


ZSG1-10.0N



| Colour   Cat. No.                    | 2.5 <sup>□</sup>            | 4 <sup>□</sup>            | 6 <sup>□</sup>             | 10 <sup>□</sup>            |
|--------------------------------------|-----------------------------|---------------------------|----------------------------|----------------------------|
| Red ●                                | 11 221 311 ●                | 11 321 311 ●              | 11 421 311 ●               | 11 521 311 ●               |
| Grey ●                               | 11 221 312 ●                | 11 321 312 ●              | 11 421 312 ●               | 11 521 312 ●               |
| Blue ●                               | 11 221 313 ●                | 11 321 313 ●              | 11 421 313 ●               | 11 521 313 ●               |
| Yellow ●                             | 11 221 314 ●                | 11 321 314 ●              | 11 421 314 ●               | 11 521 314 ●               |
| Orange ●                             | 11 221 318 ●                | 11 321 318 ●              | 11 421 318 ●               | 11 521 318 ●               |
| Standard                             | IEC60-947-7-1:1989          |                           |                            |                            |
| Certificate                          | CE class V0                 |                           |                            |                            |
| Cross-section                        |                             |                           |                            |                            |
| Solid wire                           | 0.5 ... 4 mm <sup>2</sup>   | 0.5 ... 6 mm <sup>2</sup> | 0.5 ... 10 mm <sup>2</sup> | 1.5 ... 10 mm <sup>2</sup> |
| Stranded wire                        | 0.5 ... 2.5 mm <sup>2</sup> | 0.5 ... 4 mm <sup>2</sup> | 0.5 ... 6 mm <sup>2</sup>  | 2.5 ... 10 mm <sup>2</sup> |
| Rated data                           |                             |                           |                            |                            |
| Rated voltage (max. impulse voltage) | 800 V / 6 kV                |                           |                            |                            |
| Rated current                        | 24 A                        | 32 A                      | 41 A                       | 57 A                       |
| Dimensions                           |                             |                           |                            |                            |
| A / B / C                            | 6 mm / 34 mm / 44 mm        | 6.5 mm / 34 mm / 44 mm    | 8 mm / 39.5 mm / 48 mm     | 10 mm / 39.5 mm / 48 mm    |
| Clamping screw                       | M 2.5                       | M 3                       | M 3.5                      | M 4                        |
| Tightening torque range              | 0.4 ... 0.6 Nm              | 0.4 ... 1.0 Nm            | 0.8 ... 1.6 Nm             | 1.2 ... 2.0 Nm             |
| Insulation stripping length          | 10 mm                       | 10 mm                     | 12 mm                      | 12 mm                      |
| Mounting                             | TS32, TS35                  |                           |                            |                            |
| Weight                               | 6.6 g                       | 7.5 g                     | 13 g                       | 17.3 g                     |
| Package                              | 50 pcs                      |                           |                            |                            |

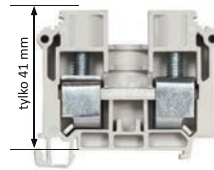
| Accessories                | Product name | Cat. no.          | Package | Product name | Cat. no.   | Package | Product name | Cat. no.   | Package | Product name | Cat. no.   | Package |
|----------------------------|--------------|-------------------|---------|--------------|------------|---------|--------------|------------|---------|--------------|------------|---------|
| Spacer                     |              |                   |         |              |            |         |              |            |         |              |            |         |
| Grey ●                     | T 928        | 17 928 302        | 50 pcs  | T 928        | 17 928 302 | 25 pcs  | T 929        | 17 929 302 | 25 pcs  | T 929        | 17 929 302 | 25 pcs  |
| End bracket                |              |                   |         |              |            |         |              |            |         |              |            |         |
| Grey ●                     | T 910        | 17 910 312        | 50 pcs  | T 910        | 17 910 312 | 50 pcs  | T 910        | 17 910 312 | 50 pcs  | T 910        | 17 910 312 | 50 pcs  |
| Grey ●                     | T 940        | 17 940 312        | 50 pcs  | T 940        | 17 940 312 | 50 pcs  | T 940        | 17 940 312 | 50 pcs  | T 940        | 17 940 312 | 50 pcs  |
| Screw-cross connection     |              |                   |         |              |            |         |              |            |         |              |            |         |
| 2-poles                    | ZZ 2-2.5     | 18 221 128        | 10 pcs  | ZZ 2-4.0     | 18 321 128 | 10 pcs  | ZZ 2-6.0     | 18 421 128 | 10 pcs  | ZZ 2-10.0    | 18 521 128 | 10 pcs  |
| 3-poles                    | ZZ 3-2.5     | 18 221 138        | 10 pcs  | ZZ 3-4.0     | 18 321 138 | 10 pcs  | ZZ 3-6.0     | 18 421 138 | 10 pcs  | ZZ 3-10.0    | 18 521 138 | 10 pcs  |
| 4-poles                    | ZZ 4-2.5     | 18 221 148        | 10 pcs  | ZZ 4-4.0     | 18 321 148 | 10 pcs  | ZZ 4-6.0     | 18 421 148 | 10 pcs  | ZZ 4-10.0    | 18 521 148 | 10 pcs  |
| 10-poles                   | ZZ 10-2.5    | 18 221 108        | 10 pcs  | ZZ 10-4.0    | 18 321 108 | 10 pcs  | ZZ 10-6.0    | 18 421 108 | 10 pcs  | ZZ 10-10.0   | 18 521 108 | 10 pcs  |
| Pluggable cross connection |              |                   |         |              |            |         |              |            |         |              |            |         |
| 2-poles                    | ZW 2-2.5     | 18 221 328        | 10 pcs  | ZW 2-4.0     | 18 321 328 | 10 pcs  | ZW 2-6.0     | 18 421 328 | 10 pcs  |              |            |         |
| 10-poles                   | ZW 10-2.5    | 18 221 308        | 10 pcs  | ZW 10-4.0    | 18 321 308 | 10 pcs  | ZW 10-6.0    | 18 421 308 | 10 pcs  |              |            |         |
| Cover                      |              |                   |         |              |            |         |              |            |         |              |            |         |
| Yellow ●                   | OS 2.5       | 17 221 304        | 25 pcs  | OS 4.0       | 17 321 304 | 25 pcs  | OS 6.0       | 17 421 304 | 25 pcs  | OS 10.0      | 17 521 304 | 25 pcs  |
| Rail marker                |              |                   |         |              |            |         |              |            |         |              |            |         |
| Grey ●                     | T 900        | 17 900 302        | 50 pcs  | T 900        | 17 900 302 | 50 pcs  | T 900        | 17 900 302 | 50 pcs  | T 900        | 17 900 302 | 50 pcs  |
| Grey ●                     | T 927        | 17 927 302        | 50 pcs  | T 927        | 17 927 302 | 50 pcs  | T 927        | 17 927 302 | 50 pcs  | T 927        | 17 927 302 | 50 pcs  |
| Marker                     |              |                   |         |              |            |         |              |            |         |              |            |         |
|                            | DK/Z5        | (matches tightly) |         | DK/Z5        |            |         | DK/Z5        |            |         | DK/Z5        |            |         |
|                            | DK/Z6        |                   |         | DK/Z6        |            |         | DK/Z6        |            |         | DK/Z6        |            |         |



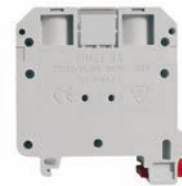
ZSG1-16N



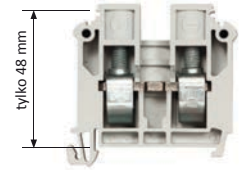
ZSG1-16



ZSG1-35N

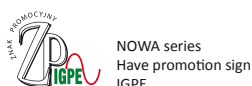


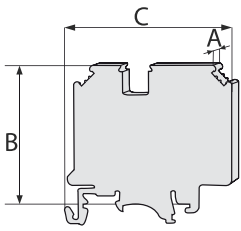
ZSG1-35



| Colour   Cat. No.                    | 16 <sup>□</sup>            | Lower construction 16 <sup>□</sup> | 35 <sup>□</sup>            | Lower construction 35 <sup>□</sup> |
|--------------------------------------|----------------------------|------------------------------------|----------------------------|------------------------------------|
| Red ●                                | 11 621 311 ●               | 12 601 311 ●                       | 11 721 311 ●               | 12 701 311 ●                       |
| Grey ●                               | 11 621 312 ●               | 12 601 312 ●                       | 11 721 312 ●               | 12 701 312 ●                       |
| Blue ●                               | 11 621 313 ●               | 12 601 313 ●                       | 11 721 313 ●               | 12 701 313 ●                       |
| Yellow ●                             | 11 621 314 ●               | 12 601 314 ●                       | 11 721 314 ●               | 12 701 314 ●                       |
| Standard                             | PN-EN 60947-1:2005         | EN 6947-7-1                        | PN-EN 60947-1:2005         | EN 6947-7-1                        |
| Certificate                          | CE class V0                | CE class V0                        | CE class V0                | CE class V0                        |
| Cross section                        |                            |                                    |                            |                                    |
| Solid wire                           | 2.5 ... 16 mm <sup>2</sup> | 2.5 ... 16 mm <sup>2</sup>         | 2.5 ... 35 mm <sup>2</sup> | 2.5 ... 35 mm <sup>2</sup>         |
| Stranded wire                        | 2.5 ... 16 mm <sup>2</sup> | 4 ... 16 mm <sup>2</sup>           | 2.5 ... 35 mm <sup>2</sup> | 2.5 ... 25 mm <sup>2</sup>         |
| Rated data                           |                            |                                    |                            |                                    |
| Rated voltage (max. impulse voltage) | 800 V / 6 kV               | 800 V / 6 kV                       | 800 V / 6 kV               | 800 V / 6 kV                       |
| Rated current                        | 76 A                       | 125 A                              | 76 A                       | 125 A                              |
| Dimensions                           |                            |                                    |                            |                                    |
| A / B / C                            | 12 mm / 52.5 mm / 60 mm    | 13 mm / 41 mm / 48 mm              | 16 mm / 53 mm / 60 mm      | 14 mm / 44 mm / 58 mm              |
| Clamping screw                       | screw +/- M 5 x 12         | M 5 (screw +/-)                    | M 6 x 12 / hex screw 5 mm  | Hex screw 5 mm                     |
| Tightening torque range              | 1.2 ... 2.0 Nm             | 1.2 ... 2.0 Nm                     | 2.5 ... 5.0 Nm             | 2.5 ... 5.0 Nm                     |
| Insulation stripping length          | 14 mm                      | 12 mm                              | 17 mm                      | 14 mm                              |
| Mounting                             | TS35                       | TS35                               | TS35                       | TS35                               |
| Weight                               | 33.8 g                     | 27.0 g                             | 55.7 g                     | 50.5 g                             |
| Package                              | 40 pcs                     | 50 pcs                             | 20 pcs                     | 50 pcs                             |

| Accessories                | Product name                               | Cat. No.  | Package    | Product name | Cat. No.                                   | Package    | Product name | Cat. No.               | Package                                    | Product name | Cat. No.   | Package    |        |
|----------------------------|--|-----------|------------|--------------|--|------------|--------------|------------------------|--|--------------|------------|------------|--------|
| Spacer                     | Closed body<br>Construction without spacer | T 922     | 17 922 302 | 25 pcs       | Closed body<br>Construction without spacer | T 922      | 17 922 302   | 25 pcs                 | Closed body<br>Construction without spacer | T 923        | 17 923 302 | 25 pcs     |        |
|                            |  | T 925     | 17 925 302 | 25 pcs       |  | T 923      | 17 923 302   | 25 pcs                 |  |              |            |            |        |
| End bracket                | Grey ●<br>Grey ●                           | T 910     | 17 910 312 | 50 pcs       | Grey ●<br>Grey ●                           | T 910      | 17 910 312   | 50 pcs                 | Grey ●<br>Grey ●                           | T 910        | 17 910 312 | 50 pcs     |        |
|                            |  | T 940     | 17 940 312 | 50 pcs       |  | T 940      | 17 940 312   | 50 pcs                 |  | T 940        | 17 940 312 | 50 pcs     |        |
| Screwable cross-connection | 2-pole<br>4-pole                           | ZZ 2-16.0 | 18 621 128 | 10 pcs       | ZZ 2-35.0<br>ZZ 4-35.0                     | 18 721 128 | 10 pcs       | ZZ 2-35.0<br>ZZ 4-35.0 | 18 721 128                                 | 10 pcs       | ZZ 4-35.0  | 18 721 148 | 10 pcs |
|                            |  | ZZ 4-16.0 | 18 621 148 | 10 pcs       |  | 18 721 148 | 10 pcs       |                        | 18 721 148                                 | 10 pcs       |            |            |        |
| Plugable cross-connection  | 2-pole<br>10-pole                          |           |            |              | ZW 62/T18<br>ZW 61/T18                     |            |              | ZW 72/T19              | 18 701 020                                 | 10 pcs       |            |            |        |
|                            |  |           |            |              |  |            |              |                        |  |              |            |            |        |
| Rail marker                | Grey ●<br>Grey ●                           | T 900     | 17 900 302 | 50 pcs       | Grey ●<br>Grey ●                           | T 900      | 17 900 302   | 50 pcs                 | Grey ●<br>Grey ●                           | T 900        | 17 900 302 | 50 pcs     |        |
|                            |  | T 927     | 17 927 302 | 50 pcs       |  | T 927      | 17 927 302   | 50 pcs                 |  | T 927        | 17 927 302 | 50 pcs     |        |
| Marker                     |  | DK/Z6     |            |              |  | DK/Z6      |              |                        |  | DK/Z6        |            |            |        |





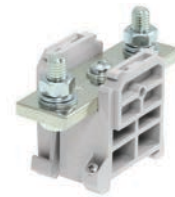
▶ ZSG1-70.0N



▶ ZSG1-120.0N



▶ ZSG1-70.0



| Colour   Cat. No.                    | 70 <sup>□</sup>           | 120 <sup>□</sup>           | 70 <sup>□</sup>                              |
|--------------------------------------|---------------------------|----------------------------|--|
| Grey ●                               | 11 951 312 ●              | 11 953 312 ●               | 12 901 312 ●                                 |
| Blue ●                               | 11 951 313 ●              | 11 953 313 ●               | 12 901 313 ●                                 |
| Yellow ●                             | _____                     | _____                      | 12 901 314 ●                                 |
| Standard                             | PN-EN 60947-1:2005        | PN-EN 60947-1:2005         | EN 60998-1                                   |
| Certificate                          | CE class V0               | CE class V0                | CE class V0                                  |
| Cross-section                        |                           |                            |  |
| Solid wire                           | 10 ... 70 mm <sup>2</sup> | 35 ... 120 mm <sup>2</sup> | 10 ... 70 mm <sup>2</sup> (with a cable lug) |
| Stranded wire                        | 10 ... 70 mm <sup>2</sup> | 35 ... 120 mm <sup>2</sup> | 10 ... 70 mm <sup>2</sup> (with a cable lug) |
| Rated data                           |                           |                            |  |
| Rated voltage (max. impulse voltage) | 1000 V / 8 kV             | 1000 V / 8 kV              | 800 V / 8 kV                                 |
| Rated current                        | 192 A                     | 269 A                      | 192 A  |
| Dimensions                           |                           |                            |  |
| A / B / C                            | 24 mm / 78 mm / 132 mm    | 26 mm / 89 mm / 140 mm     | 41 mm / 61 mm / 88 mm                        |
| Clamping screw                       | Hex screw 6 mm            | Hex screw 8 mm             | M 8  |
| Tightening torque range              | 12 Nm                     | 20 Nm                      | 25 ... 30 Nm                                 |
| Insulation stripping length          | 23 mm                     | 26 mm                      | 29 mm  |
| Mounting                             | TS35                      | TS35                       | TS35 + screw                                 |
| Weight                               | 179 g                     | 280 g                      | 180 g  |
| Package                              | 5 pcs                     | 5 pcs                      | 5 pcs  |

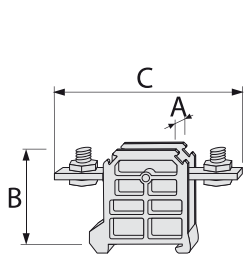
| Accessories                | Product name                | Cat. No.   | Package | Product name                | Cat. No.   | Package | Product name                       | Cat. No.   | Package |
|----------------------------|-----------------------------|------------|---------|-----------------------------|------------|---------|------------------------------------|------------|---------|
| Spacer                     |                             |            |         |                             |            |         | T 924                              | 17 924 302 | 25 pcs  |
| Grey ●                     | Closed body                 |            |         | Closed body                 |            |         |                                    |            |         |
|                            | Construction without spacer |            |         | Construction without spacer |            |         |                                    |            |         |
| End bracket                |                             |            |         |                             |            |         |                                    |            |         |
| Grey ●                     | T 910                       | 17 910 312 | 50 pcs  | T 910                       | 17 910 312 | 50 pcs  | T 910                              | 17 910 312 | 50 pcs  |
| Grey ●                     | T 940                       | 17 940 312 | 50 pcs  | T 940                       | 17 940 312 | 50 pcs  | T 940                              | 17 940 312 | 50 pcs  |
| Screwable cross-connection |                             |            |         |                             |            |         |                                    |            |         |
| 2-pole                     | ZZ 2-70.0                   | 18 951 128 | 10 pcs  | ZZ 2-120.0                  | 18 953 128 | 1 pcs   |                                    |            |         |
| 3-pole                     |                             |            |         | ZZ 3-120.0                  | 18 953 138 | 1 pcs   |                                    |            |         |
| Cover                      |                             |            |         |                             |            |         |                                    |            |         |
| Yellow ●                   | _____                       |            |         | _____                       |            |         | Cover ZP 200 (item no. 89 926 004) |            | 5 pcs   |
| Rail marker                |                             |            |         |                             |            |         |                                    |            |         |
| Grey ●                     | T 900                       | 17 900 302 | 50 pcs  | T 900                       | 17 900 302 | 50 pcs  | T 900                              | 17 900 302 | 50 pcs  |
| Grey ●                     | T 927                       | 17 927 302 | 50 pcs  | T 927                       | 17 927 302 | 50 pcs  | T 927                              | 17 927 302 | 50 pcs  |
| Marker                     |                             |            |         |                             |            |         |                                    |            |         |
|                            | DK/Z6                       |            |         | DK/Z6                       |            |         | DK/Z6                              |            |         |

Attention! After placing the connector on the rail, secure it by tightening the screw in the body. The current path is made of electrotechnical copper and it is galvanized.

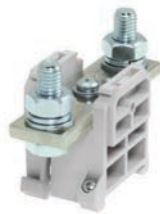
ZSG terminal block with ZP200







ZSG1-95.0



ZSG1-120.0



ZSG1-240.0



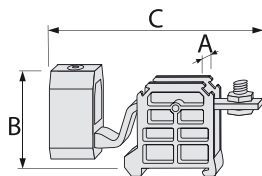
| Colour   Cat. No.                    | 95 <sup>□</sup>                              | 120 <sup>□</sup>                              | 240 <sup>□</sup>                              |
|--------------------------------------|--|---|---|
| Grey ●                               | 12 902 312 ●                                 | 12 903 312 ●                                  | 12 904 312 ●                                  |
| Blue ●                               | 12 902 313 ●                                 | 12 903 313 ●                                  | 12 904 313 ●                                  |
| Yellow ●                             | 12 902 314 ●                                 | 12 903 314 ●                                  | 12 904 314 ●                                  |
| Standard                             | EN 60998-1                                   | IEC 60947-7-1                                 | IEC 60947-7-1                                 |
| Certificate                          | CE class V0                                  | CE class V0                                   | CE class V0                                   |
| Cross-section                        |  |   |   |
| Solid wire                           | 10 ... 95 mm <sup>2</sup> (with a cable lug) | 35 ... 120 mm <sup>2</sup> (with a cable lug) | 70 ... 240 mm <sup>2</sup> (with a cable lug) |
| Stranded wire                        | 10 ... 95 mm <sup>2</sup> (with a cable lug) | 35 ... 120 mm <sup>2</sup> (with a cable lug) | 70 ... 240 mm <sup>2</sup> (with a cable lug) |
| Rated data                           |  |   |   |
| Rated voltage (max. impulse voltage) | 800 V / 8 kV                                 | 800 V / 8 kV                                  | 800 V / 8 kV                                  |
| Rated current                        | 232 A  | 269 A   | 415 A   |
| Dimensions                           |  |   |   |
| A / B / C                            | 41 mm / 56 mm / 85 mm                        | 41 mm / 61 mm / 86 mm                         | 41 mm / 66 mm / 104 mm                        |
| Clamping screw                       | M 10   | M 10  | M 12  |
| Tightening torque range              | 25 ... 30 Nm                                 | 25 ... 30 Nm                                  | 25 ... 30 Nm                                  |
| Insulation stripping length          | 29 mm  | 34 mm   | 34 mm   |
| Mounting                             | TS35 + screw                                 | TS35 + screw                                  | TS35 + screw                                  |
| Weight                               | 224.3 g                                      | 229.3 g                                       | 370.2 g                                       |
| Package                              | 5 pcs  | 5 pcs   | 5 pcs   |

| Accessories | Product name                       | Cat. No.   | Package | Product name                       | Cat. No.   | Package | Product name                       | Cat. No.   | Package |
|-------------|------------------------------------|------------|---------|------------------------------------|------------|---------|------------------------------------|------------|---------|
| Spacer      |                                    |            |         |                                    |            |         |                                    |            |         |
| Grey ●      | T 924                              | 17 924 302 | 25 pcs  | T 924                              | 17 924 302 | 25 pcs  | T 924                              | 17 924 302 | 25 pcs  |
| End bracket |                                    |            |         |                                    |            |         |                                    |            |         |
| Grey ●      | T 910                              | 17 910 312 | 50 pcs  | T 910                              | 17 910 312 | 50 pcs  | T 910                              | 17 910 312 | 50 pcs  |
| Grey ●      | T 940                              | 17 940 312 | 50 pcs  | T 940                              | 17 940 312 | 50 pcs  | T 940                              | 17 940 312 | 50 pcs  |
| Cover       |                                    |            |         | Accessories                        |            |         | Accessories                        |            |         |
| Yellow ●    | Cover ZP 200 (item no. 89 926 004) | 5 pcs      |         | Cover ZP 200 (item no. 89 926 004) | 5 pcs      |         | Cover ZP 200 (item no. 89 926 004) | 5 pcs      |         |
| Rail marker |                                    |            |         |                                    |            |         |                                    |            |         |
| Grey ●      | T 900                              | 17 900 302 | 50 pcs  | T 900                              | 17 900 302 | 50 pcs  | T 900                              | 17 900 302 | 50 pcs  |
| Grey ●      | T 927                              | 17 927 302 | 50 pcs  | T 927                              | 17 927 302 | 50 pcs  | T 927                              | 17 927 302 | 50 pcs  |
| Marker      |                                    |            |         |                                    |            |         |                                    |            |         |
|             | DK/Z6                              |            |         | DK/Z6                              |            |         | DK/Z6                              |            |         |

Attention! After placing the connector on the rail, secure it by tightening the screw in the body. The current path is made of electrotechnical copper and it is galvanized.

ZSG terminal block with spacers T 924





▶ ZSG1-120.0V



▶ ZSG1-120.0VV



| Colour   Cat. No.                       | aluminium terminals type V 120 <sup>□</sup>                       |  |  | aluminium terminals type V 120 <sup>□</sup> |  |  |
|---|---|--|--|---|--|--|
| Grey ● <b>12 907 312</b> ●              |   |  |  | <b>12 905 312</b> ●                         |  |  |
| Standard                                | IEC 60947-7-1   |  |  | IEC 60947-7-1                               |  |  |
| Certificate                             | CE class V0   |  |  | CE class V0                                 |  |  |
| Cross-section                           |   |  |  |   |  |  |
| Solid wire                              | 50 ... 120 mm <sup>2</sup>  |  |  | 50 ... 120 mm <sup>2</sup>                  |  |  |
| Stranded wire                           | 50 ... 120 mm <sup>2</sup>  |  |  | 50 ... 120 mm <sup>2</sup>                  |  |  |
| Rated data                              |   |  |  |   |  |  |
| Rated voltage<br>(max. impulse voltage) | 800 V / 6 kV  |  |  | 800 V / 6 kV                                |  |  |
| Rated current                           | 269 A   |  |  | 269 A                                       |  |  |
| Dimension                               |   |  |  |   |  |  |
| A / B / C                               | 41 mm / 74 mm / 124 mm  |  |  | 41 mm / 74 mm / 135 mm                      |  |  |
| Clamping screw                          | A screw set (wrench 17): M 10 Clamp type V (hex screw 6 mm): M 14 |  |  | Clamp type V (hex screw 6 mm): M 14         |  |  |
| Tightening torque range                 | 30 ... 35 Nm  |  |  | 30 Nm                                       |  |  |
| Insulation stripping length             | 34 mm   |  |  | 34 mm                                       |  |  |
| Mounting                                | TS35 + screw  |  |  | TS35 + screw                                |  |  |
| Weight                                  | 285.3 g   |  |  | 367.6 g                                     |  |  |
| Package                                 | 5 pcs   |  |  | 4 pcs                                       |  |  |
| Additional information                  | With an aluminium terminal type V                                 |  |  | With an aluminium terminal type V           |  |  |

| Accessories | Product name | Cat. No.          | Package | Product name | Cat. No.          | Package |
|-------------|--------------|-------------------|---------|--------------|-------------------|---------|
| Spacer      |              |                   |         |              |                   |         |
| Grey ●      | T 924        | <b>17 924 302</b> | 25 pcs  | T 924        | <b>17 924 302</b> | 25 pcs  |
| End bracket |              |                   |         |              |                   |         |
| Grey ●      | T 910        | <b>17 910 312</b> | 50 pcs  | T 910        | <b>17 910 312</b> | 50 pcs  |
| Grey ●      | T 940        | <b>17 940 312</b> | 50 pcs  | T 940        | <b>17 940 312</b> | 50 pcs  |
| Cover       |              |                   |         |              |                   |         |
| Yellow ●    | ZP 200       | <b>89 926 004</b> | 5 pcs   | ZP 200       | <b>89 926 004</b> | 5 pcs   |
| Rail marker |              |                   |         |              |                   |         |
| Grey ●      | T 900        | <b>17 900 302</b> | 50 pcs  | T 900        | <b>17 900 302</b> | 50 pcs  |
| Grey ●      | T 927        | <b>17 927 302</b> | 50 pcs  | T 927        | <b>17 927 302</b> | 50 pcs  |
| Marker      |              |                   |         |              |                   |         |
|             | DK/Z6        |                   |         | DK/Z6        |                   |         |

Aluminium terminal 120 mm allows the connection of conductors without using cable lugs.

## ▶ ZSG1-240.0V



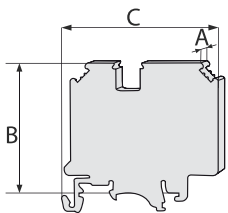
## ▶ ZSG1-240.0VV

steel clamp type V 240<sup>□</sup>steel clamp V 240<sup>□</sup>

|   |                                     |
|---|-------------------------------------|
| <b>12 908 312</b> ●   | <b>12 906 312</b> ●                 |
| IEC 60947-7-1   | IEC 60947-7-1                       |
| ☑ class V0  | ☑ class V0                          |
| 25 ... 240 mm <sup>2</sup>  | 25 ... 240 mm <sup>2</sup>          |
| 25 ... 240 mm <sup>2</sup>  | 25 ... 240 mm <sup>2</sup>          |
| 800 V / 6 kV  | 800 V / 6 kV                        |
| 415 A   | 415 A                               |
| 41 mm / 83 mm / 122 mm  | 41 mm / 83 mm / 137 mm              |
| A screw set (wrench 19): M 12 Clamp type V (hex screw 6 mm): M 12 | Clamp type V (hex screw 6 mm): M 12 |
| 30 ... 35 Nm  | 40 Nm                               |
| 34 mm   | 34 mm                               |
| TS35 + screw  | TS35 + screw                        |
| 421.9 g   | 530.7 g                             |
| 5 pcs   | 4 pcs                               |
| With a steel clamp type V   | With a steel clamp type V           |

| Product name | Cat. No.          | Package | Product name | Cat. No.          | Package |
|--------------|-------------------|---------|--------------|-------------------|---------|
| T 924        | <b>17 924 302</b> | 25 pcs  | T 924        | <b>17 924 302</b> | 25 pcs  |
| T 910        | <b>17 910 312</b> | 50 pcs  | T 910        | <b>17 910 312</b> | 50 pcs  |
| T 940        | <b>17 940 312</b> | 50 pcs  | T 940        | <b>17 940 312</b> | 50 pcs  |
| ZP 200       | <b>89 926 004</b> | 5 pcs   | ZP 200       | <b>89 926 004</b> | 5 pcs   |
| T 900        | <b>17 900 302</b> | 50 pcs  | T 900        | <b>17 900 302</b> | 50 pcs  |
| T 927        | <b>17 927 302</b> | 50 pcs  | T 927        | <b>17 927 302</b> | 50 pcs  |
| DK/Z6        |                   |         | DK/Z6        |                   |         |

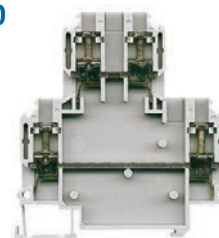
Steel clamp 240 mm<sup>2</sup> allows the connection of conductors without using cable lugs.



▶ ZUW3-2.5

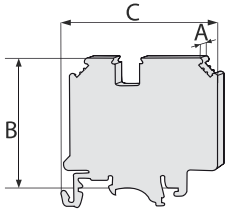


▶ ZUW2-4.0

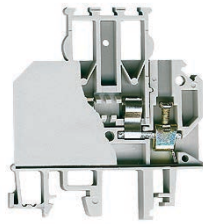


| Colour   Cat. No.                       | 3x2.5 <sup>□</sup>          | 2x4 <sup>□</sup>          |
|---|-----------------------------|---------------------------|
| Grey ● <b>13 204 312</b> ●              |                             | <b>13 304 312</b> ●       |
| Standard                                | EN 60998-1                  | EN 60998-1                |
| Certificate                             | CE class V0                 | CE class V0               |
| Cross-section                           |                             |                           |
| Solid wire                              | 0.5 ... 4 mm <sup>2</sup>   | 0.5 ... 6 mm <sup>2</sup> |
| Stranded wire                           | 0.5 ... 2.5 mm <sup>2</sup> | 0.5 ... 4 mm <sup>2</sup> |
| Rated data                              |                             |                           |
| Rated voltage<br>(max. impulse voltage) | 400 V                       | 400 V                     |
| Rated current                           | 24 A                        | 24 A                      |
| Dimensions                              |                             |                           |
| A / B / C                               | 7.5 mm / 61 mm / 88 mm      | 6.5 mm / 75 mm / 72 mm    |
| Clamping screw                          | M 2.5                       | M 3                       |
| Tightening torque range                 | 0.4 ... 0.6 Nm              | 0.4 ... 1.0 Nm            |
| Insulation stripping length             | 10 mm                       | 10 mm                     |
| Mounting                                | TS35                        | TS35                      |
| Weight                                  | 25.9 g                      | 22.4 g                    |
| Package                                 | 50 pcs                      | 50 pcs                    |
| Additional information                  | Three-line                  | Two-line                  |

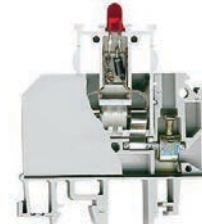
| Accessories             | Product name                            | Cat. No.          | Package | Product name | Cat. No.          | Package |
|-------------------------|---|-------------------|---------|--------------|-------------------|---------|
| <b>Cover</b>            |   |                   |         |              |                   |         |
| Grey ●                  | Body with cover are included in the set |                   |         | T 914        | <b>17 914 302</b> | 25 pcs  |
| <b>End bracket</b>      |   |                   |         |              |                   |         |
| Grey ●                  | T 910                                   | <b>17 910 312</b> | 50 pcs  | T 910        | <b>17 910 312</b> | 50 pcs  |
| Grey ●                  | T 940                                   | <b>17 940 312</b> | 50 pcs  | T 940        | <b>17 940 312</b> | 50 pcs  |
| <b>Cross connection</b> |   |                   |         |              |                   |         |
| 2-pole                  | ZW 22W/T17                              | <b>18 204 020</b> | 10 pcs  | ZW 32/T12    | <b>18 301 020</b> | 10 pcs  |
| 3-pole                  | ZW 21W/T17                              | <b>18 204 100</b> | 10 pcs  | ZW 31/T12    | <b>18 301 100</b> | 10 pcs  |
| 4-pole                  |   |                   |         |              |                   |         |
| 5-pole                  |   |                   |         |              |                   |         |
| 7-pole                  |   |                   |         |              |                   |         |
| 9-pole                  |   |                   |         |              |                   |         |
| 10-pole                 |   |                   |         |              |                   |         |
| <b>Rail marker</b>      |   |                   |         |              |                   |         |
| Grey ●                  | T 900                                   | <b>17 900 302</b> | 50 pcs  | T 900        | <b>17 900 302</b> | 50 pcs  |
| Grey ●                  | T 927                                   | <b>17 927 302</b> | 50 pcs  | T 927        | <b>17 927 302</b> | 50 pcs  |
| <b>Marker</b>           |   |                   |         |              |                   |         |
|                         | DK/Z5<br>DK/Z6                          |                   |         | DK/Z6        |                   |         |



▶ ZUB1-2.5



▶ ZUB1-2.5D

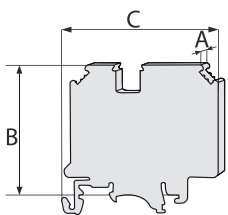


| Colour   Cat. No.                       | 2.5 <sup>□</sup>            | 2.5 <sup>□</sup>   |
|---|-----------------------------|--|
| Grey ●                                  | <b>13 202 312</b> ●         | * <b>13 202 972</b> ●<br>** <b>13 202 982</b> ●<br>*** <b>13 202 992</b> ● |
| Standard                                | EN 60998-1                  | EN 60998-1   |
| Certificate                             | CE class V0                 | CE class V0  |
| Cross-section                           |                             |  |
| Solid wire                              | 0.5 ... 4 mm <sup>2</sup>   | 0.5 ... 4 mm <sup>2</sup>  |
| Stranded wire                           | 0.5 ... 2.5 mm <sup>2</sup> | 0.5 ... 2.5 mm <sup>2</sup>  |
| Rated data                              |                             |  |
| Rated voltage<br>(max. impulse voltage) | X *, **                     | X *, **  |
| Rated current                           | MAX 6.9 A                   | MAX 6.9 A  |
| Dimensions                              |                             |  |
| A / B / C                               | 9 mm / 55 mm / 57 mm        | 9 mm / 55 mm / 57 mm   |
| Clamping screw                          | M 2.5                       | M 2.5  |
| Tightening torque range                 | 0.4 ... 0.6 Nm              | 0.4 ... 0.6 Nm   |
| Insulation stripping length             | 7 mm                        | 7 mm   |
| Mounting                                | TS32, TS35                  | TS32, TS35   |
| Weight                                  | 17.4 g                      | 22 g   |
| Package                                 | 50 pcs                      | 25 pcs   |

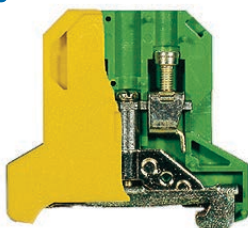
| Accessories | Product name                           | Cat. No.          | Package | Product name                           | Cat. No.          | Package |
|-------------|--|-------------------|---------|--|-------------------|---------|
| Cover       |  |                   |         |  |                   |         |
| Grey ●      | Body and cover are included in the set |                   |         | Body and cover are included in the set |                   |         |
| End bracket |  |                   |         |  |                   |         |
| Grey ●      | T 910                                  | <b>17 910 312</b> | 50 pcs  | T 910                                  | <b>17 910 312</b> | 50 pcs  |
| Grey ●      | T 940                                  | <b>17 940 312</b> | 50 pcs  | T 940                                  | <b>17 940 312</b> | 50 pcs  |
| Rail marker |  |                   |         |  |                   |         |
| Grey ●      | T 900                                  | <b>17 900 302</b> | 50 pcs  | T 900                                  | <b>17 900 302</b> | 50 pcs  |
| Grey ●      | T 927                                  | <b>17 927 302</b> | 50 pcs  | T 927                                  | <b>17 927 302</b> | 50 pcs  |
| Marker      |  |                   |         |  |                   |         |
|             | DK/Z6                                  |                   |         | DK/Z6                                  |                   |         |

Fusible link  
5 x 20 mm

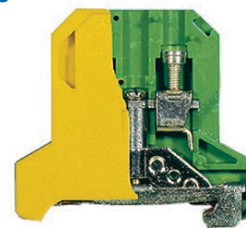
Fusible link 5 x 20 mm  
\* direct current 12 V  
\*\* alternating current 230 V  
\*\*\* direct current 24 V



▶ ZSO1-4.0



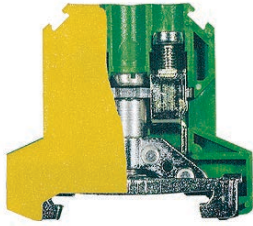
▶ ZSO1-6.0



| Colour   Cat. No.                       | 4 <sup>□</sup>            | 6 <sup>□</sup>             |
|---|---------------------------|----------------------------|
| Green-Yellow                            | 14 313 319                | 14 403 319                 |
| Standard                                | EN 60998-1                | EN 60998-1                 |
| Certificate                             | CE class V0               | CE class V0                |
| Cross-section                           |                           |                            |
| Solid wire                              | 0.5 ... 6 mm <sup>2</sup> | 0.5 ... 10 mm <sup>2</sup> |
| Stranded wire                           | 0.5 ... 4 mm <sup>2</sup> | 0.5 ... 6 mm <sup>2</sup>  |
| Rated data                              |                           |                            |
| Rated voltage<br>(max. impulse voltage) | 500 V                     | 500 V                      |
| Rated current                           | 32 A                      | 41 A                       |
| Dimensions                              |                           |                            |
| A / B / C                               | 9 mm / 50 mm / 58 mm      | 10 mm / 47 mm / 57 mm      |
| Clamping screw                          | M 3                       | M 3.5                      |
| Tightening torque range                 | 0.4 ... 1.0 Nm            | 0.8 ... 1.6 Nm             |
| Insulation stripping length             | 10 mm                     | 12 mm                      |
| Mounting                                | TS35                      | TS35                       |
| Weight                                  | 21.2 g                    | 28.8 g                     |
| Package                                 | 50 pcs                    | 50 pcs                     |

| Accessories                 | Product name | Cat. No.   | Package | Product name | Cat. No.   | Package |
|-----------------------------|--------------|------------|---------|--------------|------------|---------|
| End bracket<br>Grey<br>Grey | T 910        | 17 910 312 | 50 pcs  | T 910        | 17 910 312 | 50 pcs  |
|                             | T 940        | 17 940 312 | 50 pcs  | T 940        | 17 940 312 | 50 pcs  |
| Rail marker<br>Grey<br>Grey | T 900        | 17 900 302 | 50 pcs  | T 900        | 17 900 302 | 50 pcs  |
|                             | T 927        | 17 927 302 | 50 pcs  | T 927        | 17 927 302 | 50 pcs  |
| Marker<br>DK/Z6             |              |            |         |              |            |         |

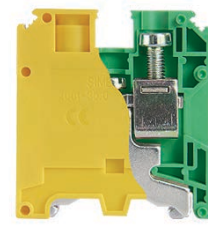
▶ ZSO1-10.0



▶ ZSO1-16.0

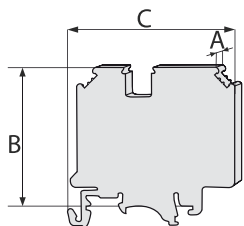


▶ ZSO1-35.0

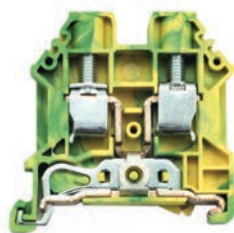


| 10 <sup>□</sup>            |  | 16 <sup>□</sup>            |  | 35 <sup>□</sup>            |  |
|----------------------------|--|----------------------------|--|----------------------------|--|
| <b>14 503 319</b> ●●       |  | <b>14 603 319</b> ●●       |  | <b>14 703 319</b> ●●       |  |
| EN 60998-1                 |  | EN 60947-7-2               |  | EN 60947-7-1               |  |
| CE class V0                |  | CE class V0                |  | CE class V0                |  |
| 1.5 ... 10 mm <sup>2</sup> |  | 4 ... 16 mm <sup>2</sup>   |  | 2.5 ... 35 mm <sup>2</sup> |  |
| 2.5 ... 10 mm <sup>2</sup> |  | 2.5 ... 10 mm <sup>2</sup> |  | 2.5 ... 25 mm <sup>2</sup> |  |
| 500 V                      |  | 800 V                      |  | 750 V                      |  |
| 57 A                       |  | 76 A                       |  | 125 A                      |  |
| 10 mm / 45 mm / 57 mm      |  | 12 mm / 55 mm / 56 mm      |  | 15 mm / 58 mm / 52 mm      |  |
| M 4                        |  | screw type +/- M5 x 12     |  | M 6                        |  |
| 1.2 ... 2.0 Nm             |  | 2.5 ... 5.0 Nm             |  | 2.5 ... 5.0 Nm             |  |
| 16 mm                      |  | 14 mm                      |  | 24 mm                      |  |
| TS35                       |  | TS35                       |  | TS35                       |  |
| 86.6 g                     |  | 270 g                      |  | 309 g                      |  |
| 50 pcs.                    |  | 20 pcs                     |  | 4 pcs                      |  |

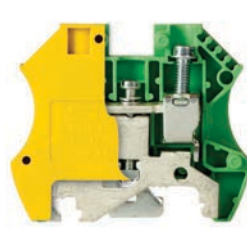
| Product name | Cat. No.          | Package | Product name | Cat. No.          | Package | Product name | Cat. No.          | Package |
|--------------|-------------------|---------|--------------|-------------------|---------|--------------|-------------------|---------|
| T 910        | <b>17 910 312</b> | 50 pcs  | T 910        | <b>17 910 312</b> | 50 pcs  | T 910        | <b>17 910 312</b> | 50 pcs  |
| T 940        | <b>17 940 312</b> | 50 pcs  | T 940        | <b>17 940 312</b> | 50 pcs  | T 940        | <b>17 940 312</b> | 50 pcs  |
| T 900        | <b>17 900 302</b> | 50 pcs  | T 900        | <b>17 900 302</b> | 50 pcs  | T 900        | <b>17 900 302</b> | 50 pcs  |
| T 927        | <b>17 927 302</b> | 50 pcs  | T 927        | <b>17 927 302</b> | 50 pcs  | T 927        | <b>17 927 302</b> | 50 pcs  |
| DK/Z6        |                   |         | DK/Z6        |                   |         | DK/Z6        |                   |         |



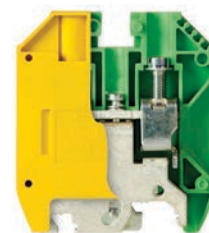
DK6N-PE



DK10-PE



DK16-PE



| Colour   Cat. No.                       | open 6 <sup>□</sup>       | 10 <sup>□</sup>            | 16 <sup>□</sup>            |
|---|---------------------------|----------------------------|----------------------------|
| Green-Yellow                            | 89 108 319                | 89 103 319                 | 89 104 319                 |
| Standard                                | IEC 947-7-2               | IEC 947-7-2                | IEC 947-7-2                |
| Certificate                             | CE UL                     | CE UL                      | CE UL                      |
| Cross-section                           |                           |                            |                            |
| Solid wire                              | 0.5 ... 6 mm <sup>2</sup> | 1.5 ... 10 mm <sup>2</sup> | 2.5 ... 16 mm <sup>2</sup> |
| Stranded wire                           | 0.5 ... 6 mm <sup>2</sup> | 1.5 ... 10 mm <sup>2</sup> | 2.5 ... 16 mm <sup>2</sup> |
| Stranded wire                           |                           |                            |                            |
| Rated voltage<br>(max. impulse voltage) | 630 V                     | 630 V                      | 1000 V                     |
| Rated current                           | 41 A                      | 57 A                       | 76 A                       |
| Dimensions                              |                           |                            |                            |
| A / B / C                               | 8 mm / 45.7 mm / 46.4 mm  | 10.4 mm / 47 mm / 56 mm    | 12 mm / 63 mm / 56 mm      |
| Clamping screw                          | M 4                       | M 4                        | M 5                        |
| Operating temperature                   | - 40°C ... +105°C         | - 40°C ... +105°C          | - 40°C ... +105°C          |
| Mounting                                | TS35                      | TS35                       | TS35                       |
| Weight                                  | 24 g                      | 22 g                       | 45 g                       |
| Package                                 | 50 pcs                    | 40 pcs                     | 35 pcs                     |

| Accessories        | Product name | Cat. No.   | Package | Product name | Cat. No.   | Package | Product name | Cat. No.   | Package |
|--------------------|--------------|------------|---------|--------------|------------|---------|--------------|------------|---------|
| <b>End bracket</b> |              |            |         |              |            |         |              |            |         |
| Grey               | T 910        | 17 910 312 | 50 pcs  | T 910        | 17 910 312 | 50 pcs  | T 910        | 17 910 312 | 50 pcs  |
| Grey               | T 940        | 17 940 312 | 50 pcs  | T 940        | 17 940 312 | 50 pcs  | T 940        | 17 940 312 | 50 pcs  |
| <b>Rail marker</b> |              |            |         |              |            |         |              |            |         |
| Grey               | T 900        | 17 900 302 | 50 pcs  | T 900        | 17 900 302 | 50 pcs  | T 900        | 17 900 302 | 50 pcs  |
| Grey               | T 927        | 17 927 302 | 50 pcs  | T 927        | 17 927 302 | 50 pcs  | T 927        | 17 927 302 | 50 pcs  |
| <b>Marker</b>      |              |            |         |              |            |         |              |            |         |
|                    | DK/Z5        |            |         | DK/Z6        |            |         | DK/Z6        |            |         |



▶ DK35-PE

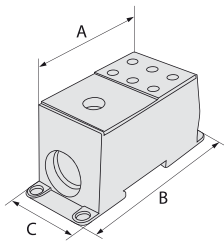


▶ DK95-PE



| 35 <sup>□</sup>          | 95 <sup>□</sup>           |
|--------------------------|---------------------------|
| <b>89 105 319</b> ●●     | <b>89 107 319</b> ●●      |
| IEC 947-7-2              | IEC 947-7-2               |
| CE UL                    | CE UL                     |
| 4 ... 35 mm <sup>2</sup> | 35 ... 95 mm <sup>2</sup> |
| 4 ... 35 mm <sup>2</sup> | 35 ... 95 mm <sup>2</sup> |
| 1000 V                   | 1000 V                    |
| 125 A                    | 232 A                     |
| 16 mm / 63 mm / 56 mm    | 25 mm / 80 mm / 80 mm     |
| M 6                      | M 8                       |
| - 40°C ... +105°C        | - 40°C ... +105°C         |
| TS35                     | TS35                      |
| 75 g                     | 210 g                     |
| 25 pcs                   | 10 pcs                    |

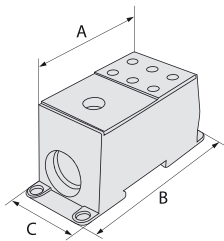
| Product name | Cat. No.          | Package | Product name | Cat. No.          | Package |
|--------------|-------------------|---------|--------------|-------------------|---------|
| T 910        | <b>17 910 312</b> | 50 pcs  | T 910        | <b>17 910 312</b> | 50 pcs  |
| T 940        | <b>17 940 312</b> | 50 pcs  | T 940        | <b>17 940 312</b> | 50 pcs  |
| T 900        | <b>17 900 302</b> | 50 pcs  | T 900        | <b>17 900 302</b> | 50 pcs  |
| T 927        | <b>17 927 302</b> | 50 pcs  | T 927        | <b>17 927 302</b> | 50 pcs  |
| DK/Z6        |                   |         | DK/Z6        |                   |         |



### AUX38073



|                          |  |
|--------------------------|--|
| Colour   Cat. No.        | <b>Cu / 3x70<sup>□</sup> / 3x6x16<sup>□</sup></b>                                      |
| Grey ●                   | 82 120 002 ●   |
| Rated current            | 175 A  |
| Quantity x Cross-section |  |
| Solid wire               | Input: (3x1) x 16 ... 70 mm <sup>2</sup><br>Output: (3x6) x 2.5 ... 16 mm <sup>2</sup> |
| Dimensions               |  |
| Width (A)                | 72 mm  |
| Height (B)               | 81 mm  |
| Length (C)               | 45 mm  |
| Package                  | 5 pcs  |
| Notes                    | The block consists of 3 separate parts   |



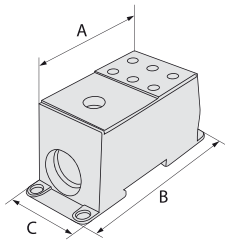
### AUX38074N



### AUX38074PE



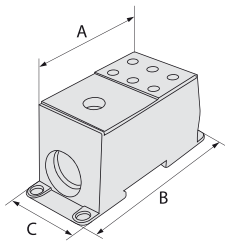
|                          |  |  |
|--------------------------|--|--|
| Colour   Cat. No.        | <b>Cu / 3x70<sup>□</sup> / 10x16<sup>□</sup></b>                                       | <b>Cu / 3x70<sup>□</sup> / 10x16<sup>□</sup></b>                                       |
| Blue ●                   | 82 121 003 ●   |  |
| Green ●                  |  | 82 122 005 ●   |
| Rated current            | 175 A  | 175 A  |
| Quantity x Cross-section |  |  |
| Solid wire               | input: (3x1) x 16 ... 70 mm <sup>2</sup><br>output: (3x6) x 2.5 ... 16 mm <sup>2</sup> | input: (3x1) x 16 ... 70 mm <sup>2</sup><br>output: (3x6) x 2.5 ... 16 mm <sup>2</sup> |
| Dimensions               |  |  |
| Width (A)                | 72 mm  | 72 mm  |
| Height (B)               | 42 mm  | 42 mm  |
| Length (C)               | 45 mm  | 45 mm  |
| Package                  | 5 pcs  | 5 pcs  |



**AUX38403**



| Colour   Cat. No.        | Cu / 3x70 <sup>□</sup> / 10x16 <sup>□</sup> |
|--------------------------|---|
| Grey ● 82 127 002 ●      |   |
| Blue ● 82 128 003 ●      |   |
| Green ● 82 129 005 ●     |   |
| Red ● 82 130 001 ●       |   |
| Cable type               | Cu  |
| Rated current            | 175 A                                       |
| Quantity x Cross-section |   |
| Input: Solid wire        | 1 x 95 ... 240 mm <sup>2</sup>              |
| Stranded wire            | 1 x 70 ... 185 mm <sup>2</sup>              |
| Output: Solid wire       | 6 x 10 ... 50 mm <sup>2</sup>               |
| Stranded wire            | 6 x 6 ... 35 mm <sup>2</sup>                |
| Dimensions               |   |
| Width (A)                | 103 mm                                      |
| Height (B)               | 45 mm                                       |
| Length (C)               | 51 mm                                       |
| Package                  | 5 pcs                                       |



**AUX38404**

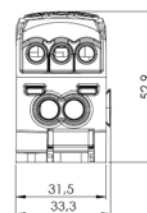
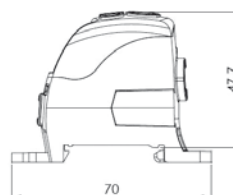


| Colour   Cat. No.        | Cu / 240 <sup>□</sup> / 2x120 <sup>□</sup> |
|--------------------------|--|
| Grey ● 82 135 002 ●      |  |
| Blue ● 82 136 003 ●      |  |
| Green ● 82 137 005 ●     |  |
| Red ● 82 138 001 ●       |  |
| Cable type               | Cu   |
| Rated current            | 400 A                                      |
| Quantity x Cross-section |  |
| Input: Solid wire        | 1 x 95 ... 240 mm <sup>2</sup>             |
| Stranded wire            | 1 x 70 ... 185 mm <sup>2</sup>             |
| Output: Solid wire       | 2 x 50 ... 120 mm <sup>2</sup>             |
| Stranded wire            | 2 x 35 ... 95 mm <sup>2</sup>              |
| Dimensions               |  |
| Width (A)                | 103 mm                                     |
| Height (B)               | 45 mm                                      |
| Length (C)               | 51 mm                                      |
| Package                  | 5 pcs                                      |

## ▶ PVB100



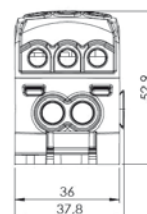
|                   |  |
|-------------------|--|
| Colour   Cat. No. | <b>1x25<sup>□</sup> / 1x16<sup>□</sup> / 3x10<sup>□</sup> / 2x16<sup>□</sup></b> |
| Grey ●            | 83 302 002 ●   |
| Rated data        |  |
| Rated voltage     | 690V   |
| Rated current     | 101 A  |
| Cross-section     |  |
| Input:            | 1 x 25 mm <sup>2</sup> ; 1 x 16 mm <sup>2</sup>                                  |
| Output:           | 2 x 16 mm <sup>2</sup> ; 3 x 10 mm <sup>2</sup>                                  |
| Package           | 1 piece  |



## ▶ PVB125



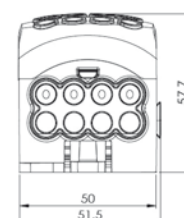
|                   |  |
|-------------------|--|
| Colour   Cat. No. | <b>1x35<sup>□</sup> / 1x16<sup>□</sup> / 2x25<sup>□</sup> / 3x16<sup>□</sup></b> |
| Grey ●            | 83 303 002 ●   |
| Rated data        |  |
| Rated voltage     | 690V   |
| Rated current     | 101 A  |
| Cross-section     |  |
| Input:            | 1 x 35 mm <sup>2</sup> ; 1 x 16 mm <sup>2</sup>                                  |
| Output:           | 2 x 25 mm <sup>2</sup> ; 3 x 16 mm <sup>2</sup>                                  |
| Package           | 1 piece  |



## ▶ PVB230



|                   |   |
|-------------------|---|
| Colour   Cat. No. | <b>1x95<sup>□</sup> / 2x35<sup>□</sup> / 8x16<sup>□</sup></b> |
| Grey ●            | 83 307 002 ●  |
| Rated data        |   |
| Rated voltage     | 690V  |
| Rated current     | 232 A   |
| Cross-section     |   |
| Input:            | 1 x 95 mm <sup>2</sup> ; 2 x 35 mm <sup>2</sup>               |
| Output:           | 8 x 16 mm <sup>2</sup>  |
| Package           | 1 piece   |



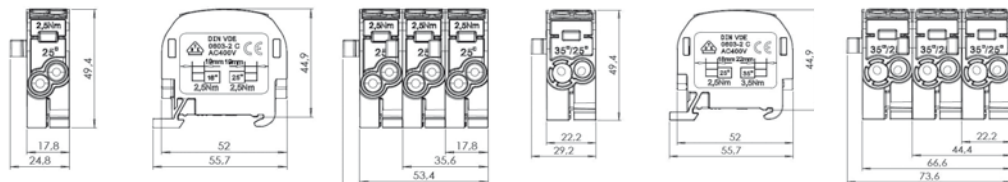
▶ HLAK1p25



▶ HLAK1p35



| Colour   Cat. No.    | 2x25 <sup>□</sup> / 2x25 <sup>□</sup> | 1x25 <sup>□</sup> / 1x35 <sup>□</sup> / 1x25 <sup>□</sup> / 1x35 <sup>□</sup> |
|----------------------|---------------------------------------|---|
| Grey ● 83 305 002 ●  |                                       | 83 306 002 ●  |
| Blue ● 83 305 003 ●  |                                       | 83 306 003 ●  |
| Green ● 83 305 005 ● |                                       | 83 306 005 ●  |
| <b>Rated data</b>    |                                       |   |
| Rated voltage        | 690V                                  | 690V  |
| Rated current        | 100 A                                 | 100 A   |
| <b>Cross-section</b> |                                       |   |
| Input:               | 2 x 25 mm <sup>2</sup>                | 1 x 25 mm <sup>2</sup> ; 1 x 35 mm <sup>2</sup>                               |
| Output:              | 2 x 25 mm <sup>2</sup>                | 1 x 25 mm <sup>2</sup> ; 1 x 35 mm <sup>2</sup>                               |
| Package              | 5 pcs                                 | 5 pcs   |



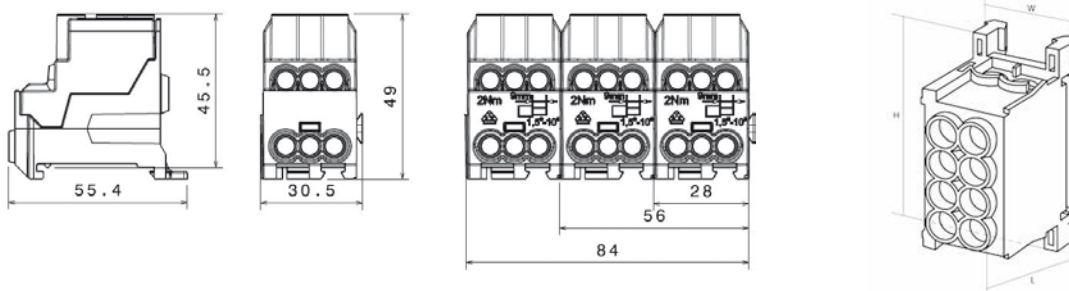
▶ UVB100

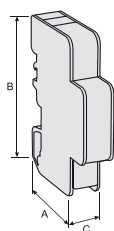


▶ MAG 25-2

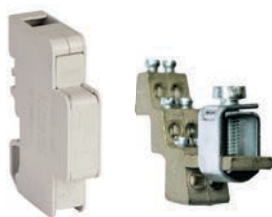


| Colour   Cat. No.    | 2x25 <sup>□</sup> / 6x10 <sup>□</sup> | 2x25mm/2x25mm <sup>2</sup> |
|----------------------|---------------------------------------|----------------------------|
| Grey ● 83 301 002 ●  |                                       | 82 306 002 (MAG1250A32) ●  |
| Blue ● 83 301 003 ●  |                                       | 83 307 003 (MAG1250B32) ●  |
| Green ● 83 301 005 ● |                                       | 83 308 005 (MAG1250G32) ●  |
| <b>Rated data</b>    |                                       |                            |
| Rated voltage        | 690V                                  | 400 V                      |
| Rated current        | 100 A                                 | 80 A                       |
| <b>Cross-section</b> |                                       |                            |
| Input:               | 2 x 25 mm <sup>2</sup>                | 2x25 mm <sup>2</sup>       |
| Output:              | 6 x 10 mm <sup>2</sup>                | 2x25 mm <sup>2</sup>       |
| Package              | 3 pcs                                 | 4 pcs                      |





## ▶ ELP-LBR60

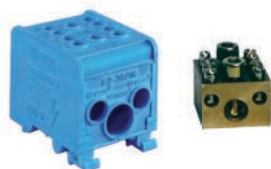


## ▶ ELP-LBR160A/13



| Colour   Cat. No.           |   |   |
|-----------------------------|---|---|
| Grey ● 84 326 002 ●         |   | 84 321 002 ●  |
| Blue ● 84 326 003 ●         |   | 84 321 003 ●  |
| Yellow-green ● 84 326 009 ● |   | 84 321 009 ●  |
| Quantity x slot diameter    | 1 x 16 ... 35 mm <sup>2</sup> (ø 11 mm)<br>6 x 1.5 ... 6 mm <sup>2</sup> (ø 6 mm) | 1 x 70 mm <sup>2</sup> (ø 13 mm)<br>7 x 6 mm <sup>2</sup> (ø 5mm)<br>2 x 16 mm <sup>2</sup> (ø 7mm)<br>2 x 35 mm <sup>2</sup> (ø 8mm) |
| Rated data                  |   |   |
| Rated voltage               | 500V  | 500V  |
| Rated current               | 60 A  | 160 A   |
| Dimensions                  |   |   |
| Width (A)                   | 67 mm   | 67 mm   |
| Height (B)                  | 94 mm   | 94 mm   |
| Length (C)                  | 18 mm   | 36 mm   |
| Mounting                    | mounting on TS 35 rail  | mounting on TS 35 rail  |
| Package                     | 1 piece   | 1 piece   |
| Additional information      | Single pole distribution block  | Single pole distribution block  |

## ▶ LZ1\*35/16/16



## ▶ LZ1\*35/35



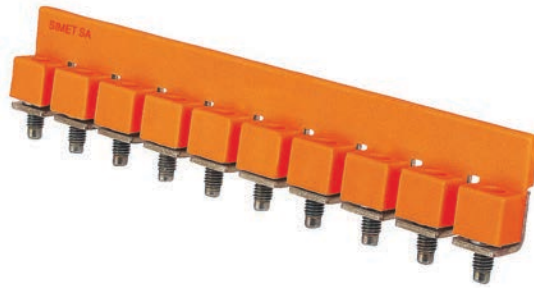
## ▶ LZ1\*16/16/16



| Colour   Cat. No.           | 35 <sup>□</sup> / 2x16 <sup>□</sup>                                | 2x35 <sup>□</sup>                       | 3x16 <sup>□</sup>                       |
|-----------------------------|--|---|---|
| Grey ● 84 168 002 ●         |  | 84 169 002 ●                            | 84 170 002 ●                            |
| Blue ● 84 168 003 ●         |  | 84 169 003 ●                            | 84 170 003 ●                            |
| Yellow-green ● 84 168 009 ● |  | 84 169 009 ●                            | 84 170 009 ●                            |
| Rated data                  |  |   |   |
| Rated voltage               | 690 V  | 690 V                                   | 690 V                                   |
| Rated current               | 125 A  | 125 A                                   | 76 A                                    |
| Quantity x cross-section    |  |   |   |
| Solid wire                  | 1 x (6 ... 35 mm <sup>2</sup> ); 2 x (2.5 ... 16 mm <sup>2</sup> ) | 2 x (6 ... 35 mm <sup>2</sup> )         | 3 x (2.5 ... 16 mm <sup>2</sup> )       |
| Stranded wire               | 1 x (6 ... 25 mm <sup>2</sup> ); 2 x (2.5 ... 10 mm <sup>2</sup> ) | 2 x (6 ... 25 mm <sup>2</sup> )         | 3 x (2.5 ... 10 mm <sup>2</sup> )       |
| Mounting                    | on TS 35 rail and to the mounting plate                            | on TS 35 rail and to the mounting plate | on TS 35 rail and to the mounting plate |
| Package                     | 1 piece  | 1 piece                                 | 1 piece                                 |
| Additional information      | Clamps inside the body   | Clamps inside the body                  | Clamps inside the body                  |

More information | page 7

► Screw cross-connection



|                   | Terminal block | ZSG 1-2.5N   |                   | ZSG 1-4.0N   |                   |
|-------------------|----------------|--------------|-------------------|--------------|-------------------|
|                   |                | Product name | Cat. No.          | Produkt name | Cat. No.          |
| Cross-connections | 2 poles        | ZZ 2-2.5     | <b>18 221 128</b> | ZZ 2-4.0     | <b>18 321 128</b> |
|                   | 3 poles        | ZZ 3-2.5     | <b>18 221 138</b> | ZZ 3-4.0     | <b>18 321 138</b> |
|                   | 4 poles        | ZZ 4-2.5     | <b>18 221 148</b> | ZZ 4-4.0     | <b>18 321 148</b> |
|                   | 10 poles       | ZZ 10-2.5    | <b>18 221 108</b> | ZZ 10-4.0    | <b>18 321 108</b> |

|                  | Terminal block | ZSG 1-6.0N   |                   | ZSG 1-10.0N  |                   |
|------------------|----------------|--------------|-------------------|--------------|-------------------|
|                  |                | Product name | Cat. No.          | Product name | Cat. No.          |
| Cross-connection | 2 poles        | ZZ 2-6.0     | <b>18 421 128</b> | ZZ 2-10.0    | <b>18 521 128</b> |
|                  | 3 poles        | ZZ 3-6.0     | <b>18 421 138</b> | ZZ 3-10.0    | <b>18 521 138</b> |
|                  | 4 poles        | ZZ 4-6.0     | <b>18 421 148</b> | ZZ 4-10.0    | <b>18 521 148</b> |
|                  | 10 poles       | ZZ 10-6.0    | <b>18 421 108</b> | ZZ 10-10.0   | <b>18 521 108</b> |

|                   | Terminal block | ZSG 1-16.0N  |                   | ZSG 1-35.0N  |                   |
|-------------------|----------------|--------------|-------------------|--------------|-------------------|
|                   |                | Product name | Cat. No.          | Product name | Cat. No.          |
| Cross-connections | 2 poles        | ZZ 2-16.0    | <b>18 621 128</b> | ZZ 2-35.0    | <b>18 721 128</b> |
|                   | 4 poles        | ZZ 4-16.0    | <b>18 621 148</b> | ZZ 4-35.0    | <b>18 721 148</b> |

|                  | Terminal block | ZSG 1-70.0N  |                   | ZSG 1-120.0N |                   |
|------------------|----------------|--------------|-------------------|--------------|-------------------|
|                  |                | Product name | Cat. No.          | Product name | Cat. No.          |
| Cross-connection | 2 poles        | ZZ 2-70.0    | <b>18 951 128</b> | ZZ 2-120.0   | <b>18 953 128</b> |
|                  | 3 poles        |              |                   | ZZ 3-120.0   | <b>18 953 138</b> |

Package: 10 pcs

► Pluggable cross-connection for Nowa series

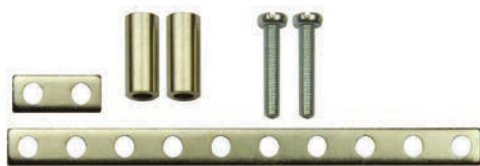


|                  | Terminal block | ZSG 1-2.5N   |                   | ZSG 1-4.0N   |                   |
|------------------|----------------|--------------|-------------------|--------------|-------------------|
|                  |                | Product name | Cat. No.          | Product name | Cat. No.          |
| Cross-connection | 2 poles        | ZW 2-2.5     | <b>18 221 328</b> | ZW 2-4.0     | <b>18 321 328</b> |
|                  | 10 poles       | ZW 10-2.5    | <b>18 221 308</b> | ZW 10-4.0    | <b>18 321 308</b> |

|                  | Terminal block | ZSG 1-6.0N   |                   |
|------------------|----------------|--------------|-------------------|
|                  |                | Product name | Cat. No.          |
| Cross-connection | 2 poles        | ZW 2-6.0     | <b>18 421 328</b> |
|                  | 10 poles       | ZW 10-6.0    | <b>18 421 308</b> |

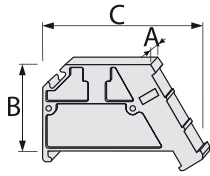
Packaging: 10 pcs

► Cross-connections for ZSG 1-16.0 and ZSG 1-35.0

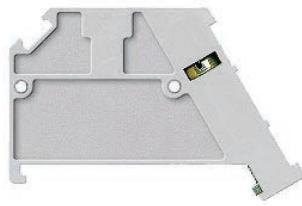


|                  | Terminal block | ZSG 1-16.0   |                   | ZSG 1-35.0   |                   |
|------------------|----------------|--------------|-------------------|--------------|-------------------|
|                  |                | Product name | Cat. No.          | Product name | Cat. No.          |
| Cross-connection | 2 poles        | ZW 62/T18    | <b>18 601 020</b> | ZW 72/T19    | <b>18 701 020</b> |
|                  | 10 poles       | ZW 10-2.5    | <b>18 601 100</b> |              |                   |

Packaging: 10 pcs



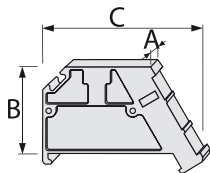
▶ T910



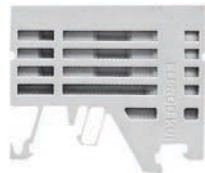
▶ T940



| Colour   Cat. No.             |              |  |
|-------------------------------|--------------|--|
| Grey ●                        | 17 910 312 ● | 17 940 312 ●                                 |
| <b>Dimensions</b>             |              |  |
| Width (A)                     | 8 mm         | 10 mm  |
| Height (B)                    | 28 mm        | 41 mm  |
| Length (C)                    | 47 mm        | 54 mm  |
| <b>Weight</b>                 | 8 g          | 15 g   |
| <b>Packaging</b>              | 50 pcs       | 50 pcs                                       |
| <b>Mounting</b>               | TS 35        | TS 35  |
| <b>Additional information</b> | End bracket  | End bracket, strengthened handle on the rail |



▶ KU1



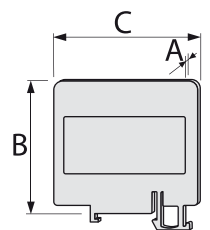
▶ KU2



▶ KU3



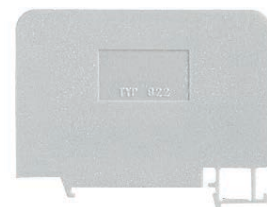
| Colour   Cat. No.             |              |              |              |
|-------------------------------|--------------|--------------|--------------|
| Grey ●                        | 84 019 002 ● | 84 033 002 ● | 84 044 002 ● |
| Yellow ●                      | 84 019 004 ● | 84 033 004 ● | 84 044 004 ● |
| <b>Dimensions</b>             |              |              |              |
| Width (A)                     | 8 mm         | 10 mm        | 10 mm        |
| Height (B)                    | 38 mm        | 47 mm        | 26 mm        |
| Length (C)                    | 44 mm        | 44 mm        | 44 mm        |
| <b>Weight</b>                 | 8 g          | 13 g         | 5 g          |
| <b>Package</b>                | 25 pcs       | 25 pcs       | 25 pcs       |
| <b>Mounting</b>               | TS 32, TS 35 | TS 32, TS 35 | TS 35        |
| <b>Additional information</b> | Holder       | Holder       | Holder       |



▶ T914

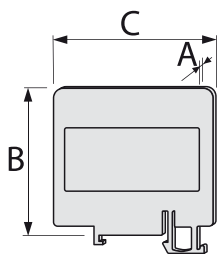


▶ T922



| Colour   Cat. No.             |                      |                                    |
|-------------------------------|----------------------|------------------------------------|
| Grey ●                        | 17 914 302 ●         | 17 922 302 ●                       |
| <b>Dimensions</b>             |                      |                                    |
| Width (A)                     | 1 mm                 | 1.5 mm                             |
| Height (B)                    | 72 mm                | 72 mm                              |
| Length (C)                    | 75 mm                | 75 mm                              |
| <b>Weight</b>                 | 4.4 g                | 3.2 g                              |
| <b>Package</b>                | 25 pcs               | 25 pcs                             |
| <b>Mounting</b>               | TS 35                | TS 35                              |
| <b>Additional information</b> | Spacer for ZUW 2-4.0 | Spacer for ZSG1-16.0 and ZSG1-35.0 |





T911



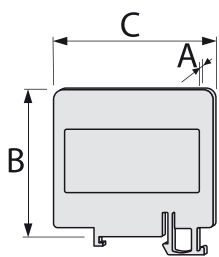
T912



T924



| Colour   Cat. No. |                                     |  |                                      |
|-------------------|-------------------------------------|--|--------------------------------------|
| Grey ●            | 17 911 302 ●                        | 17 912 302 ●                                 | 17 924 302 ●                         |
| <b>Dimensions</b> |                                     |  |                                      |
| Width (A)         | 2.5 mm                              | 2.5 mm                                       | 5 mm                                 |
| Height (B)        | 37 mm                               | 47 mm  | 70 mm                                |
| Length (C)        | 44 mm                               | 46 mm  | 150 mm                               |
| Weight            | 4 g                                 | 4 g  | 2 g                                  |
| Package           | 25 pcs                              | 25 pcs                                       | 25 pcs                               |
| For use width     | Spacer on TS 35, TS 32 for ZSG1-2.5 | Spacer on TS 35, TS 32 for ZSG1-4.0/6.0/10.0 | Spacer for ZSG170.0/95.0/120.0/240.0 |



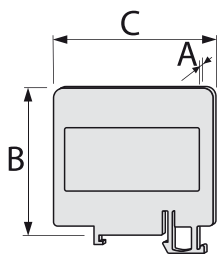
T923



T925



| Colour   Cat. No. |  |  |
|-------------------|--|--|
| Grey ●            | 17 923 302 ●                                       | 17 925 302 ●                                       |
| <b>Dimensions</b> |  |  |
| Width (A)         | 1.5 mm   | 1.5 mm   |
| Height (B)        | 58 mm  | 44 mm  |
| Length (C)        | 32 mm  | 37 mm  |
| Weight            | 1.5 g  | 2.5 g  |
| Package           | 25 pcs   | 25 pcs   |
| For use with      | Cover for standard series terminal block ZSG1-35.0 | Cover for standard series terminal block ZSG1-16.0 |



T928



T929



| Colour   Cat. No. |  |   |
|-------------------|--|---|
| Grey ●            | 17 928 302 ●   | 17 929 302 ●  |
| <b>Dimensions</b> |  |   |
| Width (A)         | 1.5 mm   | 1.5 mm  |
| Height (B)        | 23 mm  | 28 mm   |
| Length (C)        | 41.5 mm  | 46.5 mm   |
| Weight            | 4 g  | 4 g   |
| Package           | 25 pcs   | 25 szt.   |
| For use with      | Cover for NOWA series terminal blocks ZSG1-2.5N, ZSG1-4.0N | Cover for NOWA series terminal blocks ZSG1-6.0N, ZSG1-10.0N |

#### T900



#### T927



#### ZP200

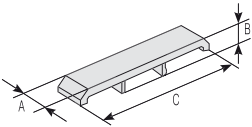


| Colour   Cat. No. |  |  |   |
|-------------------|--|--|---|
| Grey ●            | 17 900 302 ●   | 17 927 302 ●   |   |
| Yellow ●          |  |  | 84 926 004 ●  |
| <b>Dimensions</b> |  |  |   |
| Width (A)         | 20 mm  | 10 mm  | 8 mm  |
| Height (B)        | 40 mm  | 40 mm  | 38 mm   |
| Length (C)        | 45 mm  | 45 mm  | 44 mm   |
| Weight            | 4 g  | 2 g  | 8 g   |
| Package           | 50 pcs   | 50 pcs   | 5 pcs   |
| For use with      | Markers on rail TS35 and TS32 with description glass, wide (20 mm) | Markers on rail TS35 and TS32 with description glass, narrow (10 mm) | Cover for ZSG1-70.0/95.0/120.0/240.0 and version V and VV |

#### OS2.5



#### OS4.0

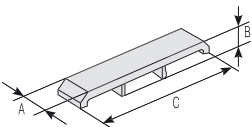


| Colour   Cat. No. |  |  |
|-------------------|--|--|
| Yellow ●          | 17 221 304 ●                                   | 17 321 304 ●                                   |
| <b>Dimensions</b> |  |  |
| Width (A)         | 6 mm   | 6 mm   |
| Height (B)        | 5 mm   | 5 mm   |
| Length (C)        | 29 mm  | 29 mm  |
| Weight            | 0.3 g  | 0.3 g  |
| Package           | 25 pcs   | 25 pcs   |
| For use with      | Cover for NOWA series terminal block-ZSG1-2.5N | Cover for NOWA series terminal block-ZSG1-4.0N |

#### OS6.0

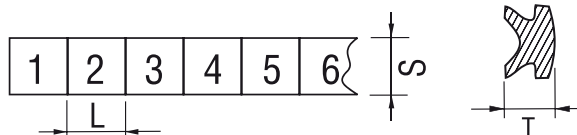


#### OS10.0



| Colour   Cat. No. |  |   |
|-------------------|--|---|
| Yellow ●          | 17 421 304 ●                                   | 17 521 304 ●                                    |
| <b>Dimensions</b> |  |   |
| Width (A)         | 8 mm   | 10 mm   |
| Height (B)        | 5 mm   | 5 mm  |
| Length (C)        | 32 mm  | 32 mm   |
| Weight            | 0.5 g  | 0.63 g  |
| Package           | 25 pcs   | 25 pcs  |
| For use with      | Cover for NOWA series terminal block-ZSG1-6.0N | Cover for NOWA series terminal block-ZSG1-10.0N |

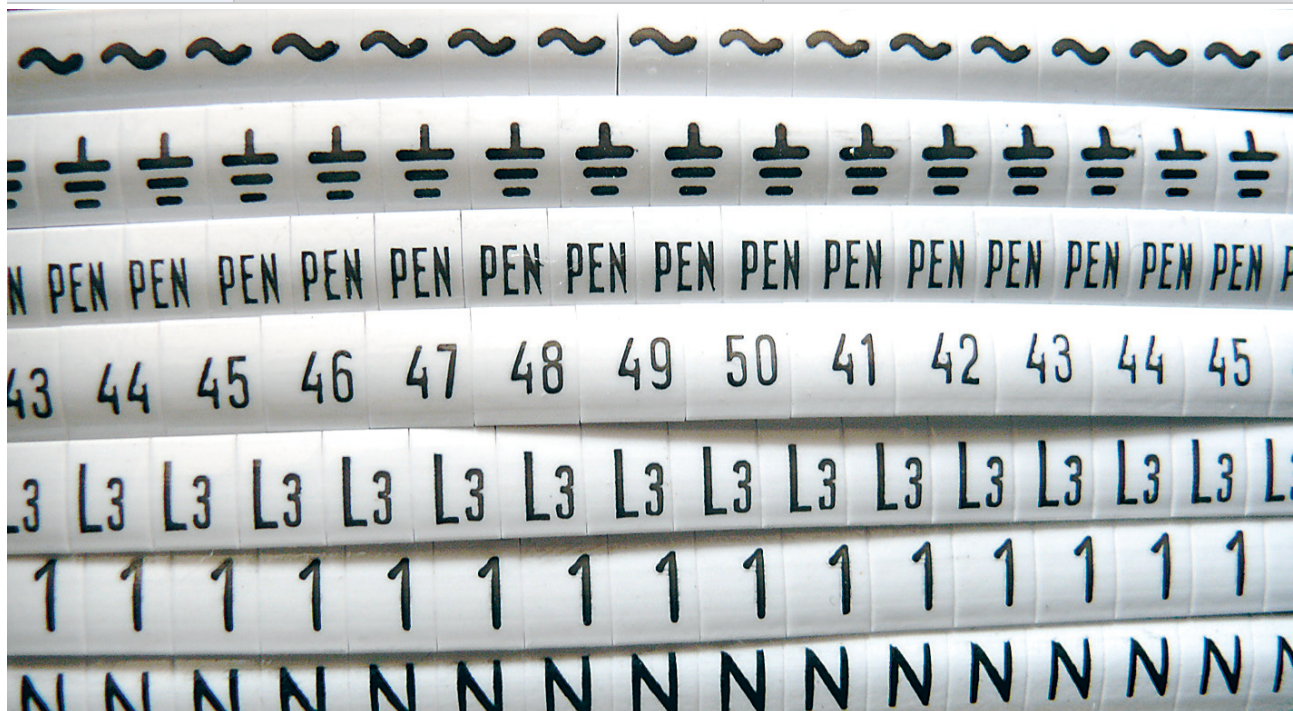
▶ Markers for rail-mounted terminal blocks – DK series



- DK markers properties:**
- The indelible black overprint,
  - Resistant to fuel, oils, acids and solvents,
  - Self-extinguishing,
  - Stable when placed on the conductor or in the socket,
  - Made of insulating materials,
  - Patented.

|   | DK/Z6        | DK/Z5        |
|---|--------------|--------------|
| L | 5.8 ... 6 mm | 4.8 ... 5 mm |
| S | 6 mm         | 6 mm         |
| T | 3.2 mm       | 3.2 mm       |

| Symbols on DK markers     |   |
|---------------------------|---|
| Overprints on the markers | 0, 1, 2, 3, 4, ... 9); (A, B, C, D, ... Z)<br>(a, b, c, d, ... z); (L1, L2, L3, PE, PEN)<br>+ -<br>1, 2, 3, 4, ... 10), (11, 12, 13, ... 20)<br>(21, 22, 23, ... 30), (31, ..... )<br>(391, 392, ... 400), (10, 20, 30, ... 100) etc. |
|                           | Numerals, capital letters<br>small letters, symbols, signs<br>For DK strips of 10 markers   |



### OTL 16



### OTL 35



### OTL 50



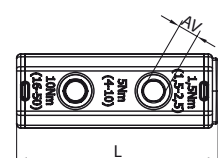
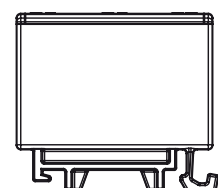
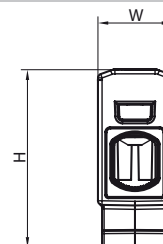
### OTL 95



| Colour   Cat. No.                    | 16 <sup>□</sup>  | 35 <sup>□</sup>   | 50 <sup>□</sup>   | 95 <sup>□</sup>   |
|--------------------------------------|--|---|---|---|
| Grey ●                               | 89 701 002 (MAA1016A10)  | 89 795 002 (MAA1035A10)   | 89 704 002 (MAA1050A10)   | 89 708 002 (MAA1095A10)   |
| Blue ●                               | 89 702 003 (MAA1016B10)  | 89 795 003 (MAA1035B10)   | 89 705 003 (MAA1050B10)   | 89 709 003 (MAA1095B10)   |
| Green-Yellow ●●                      | 89 703 009 (MAA1016Y10)  | 89 795 009 (MAA1035Y10)   | 89 706 009 (MAA1050Y10)   | 89 710 009 (MAA1095Y10)   |
| Red ●                                | 89 701 001 (MAA1016R10)  | —————   | 89 704 001 (MAA1050R10)   | 89 708 001 (MAA1095R10)   |
| Black ●                              | 89 701 007 (MAA1016S10)  | —————   | 89 704 007 (MAA1050S10)   | 89 708 007 (MAA1095S10)   |
| Cross-section                        |  |   |   |   |
|                                      | 1.5 ... 16 mm <sup>2</sup>   | 2.5 ... 35 mm <sup>2</sup>  | 1.5 ... 50 mm <sup>2</sup>  | 6 ... 95 mm <sup>2</sup>  |
| Rated data                           |  |   |   |   |
| Rated voltage (max. impulse voltage) | 1000 V   | 1000 V  | 1000 V  | 1000 V  |
| Rated current                        | 82 A (Cu) / 75 A (Al)  | 135 A (Cu) / 120 A (Al)   | 160 A (Cu) / 145 A (Al)   | 245 A (Cu) / 220 A (Al)   |
| Dimensions                           |  |   |   |   |
| Width (W)                            | 13.5 mm  | 16 mm   | 18 mm   | 25 mm   |
| Height (H)                           | 39.5 mm  | 40 mm   | 43 mm   | 51 mm   |
| Length (L)                           | 45 mm  | 45 mm   | 50 mm   | 84 mm   |
| Clamping screw                       | M 4  | M 4   | M 5   | M 6   |
| Tightening torque range              | 1.5 Nm (1.5 ÷ 6 mm <sup>2</sup> )<br>7 Nm (10 ÷ 16 mm <sup>2</sup> ) | 3 Nm (2.5 ÷ 16 mm <sup>2</sup> )<br>6 Nm (25 ÷ 35 mm <sup>2</sup> ) | 1.5 Nm (1.5 ÷ 2.5 mm <sup>2</sup> )<br>5 Nm (4 ÷ 10 mm <sup>2</sup> )<br>10 Nm (16 ÷ 50 mm <sup>2</sup> ) | 12 Nm (6 ÷ 25 mm <sup>2</sup> )<br>22 Nm (35 ÷ 95 mm <sup>2</sup> ) |
| For use with                         | DIN rail   | DIN rail  | DIN rail  | DIN rail/screw  |
| Weight                               | 15 g   | 27 g  | 30 g  | 65 g  |
| Package*                             | 30 pcs   | 30 pcs  | ● 50 pcs / ●●●●●●●● 30 pcs  | ● 20 pcs / ●●●●●●●● 10 pcs  |

\*Products also sold per item

| Accessories | Product name | Cat. No.   | Package          | Product name | Cat. No.   | Package          | Product name                | Cat. No.   | Package          | Product name                | Cat. No.   | Package          |        |
|-------------|--------------|------------|------------------|--------------|------------|------------------|-----------------------------|------------|------------------|-----------------------------|------------|------------------|--------|
|             | Grey ●       | T 900      | 17 900 302       | 50 pcs       | T 900      | 17 900 302       | 50 pcs                      | T 900      | 17 900 302       | 50 pcs                      | T 900      | 17 900 302       | 50 pcs |
|             | Grey ●       | T 927      | 17 927 302       | 50 pcs       | T 927      | 17 927 302       | 50 pcs                      | T 927      | 17 927 302       | 50 pcs                      | T 927      | 17 927 302       | 50 pcs |
|             | Grey ●       | T 910      | 17 910 312       | 50 pcs       | T 910      | 17 910 312       | 50 pcs                      | T 910      | 17 910 312       | 50 pcs                      | T 910      | 17 910 312       | 50 pcs |
|             | Grey ●       | T 940      | 17 940 312       | 50 pcs       | T 940      | 17 940 312       | 50 pcs                      | T 940      | 17 940 312       | 50 pcs                      | T 940      | 17 940 312       | 50 pcs |
|             | SR-1         | 89 764 000 | 1 piece (250 ml) | SR-1         | 89 764 000 | 1 piece (250 ml) | SR-1                        | 89 764 000 | 1 piece (250 ml) | SR-1                        | 89 764 000 | 1 piece (250 ml) |        |
|             |              |            |                  |              |            |                  | Cover OTL50 mm <sup>2</sup> | 89 805 002 | 10 pcs           | Cover OTL95 mm <sup>2</sup> | 89 806 002 | 10 pcs           |        |

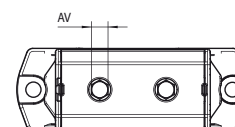
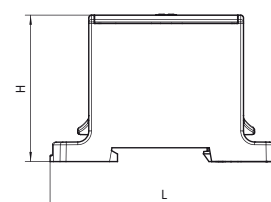
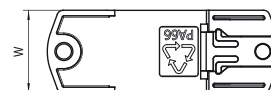




| Colour   Cat. No.                              | 120 <sup>□</sup>  | 150 <sup>□</sup>  | 240 <sup>□</sup>  | NEW 300 <sup>□</sup>  |
|--|---|---|---|---|
| Grey ●   | 89 796 002 (MAA1120A10)   | 89 711 002 (MAA1150A10)   | 89 714 002 (MAA1240A10)   | 89 717 002 (MAA1300A10)   |
| Blue ●   | 89 796 003 (MAA1120B10)   | 89 712 003 (MAA1150B10)   | 89 715 003 (MAA1240B10)   | 89 717 003 (MAA1300B10)   |
| Green-Yellow ●●                                | 89 796 009 (MAA1120Y10)   | 89 713 009 (MAA1150Y10)   | 89 716 009 (MAA1240Y10)   | 89 717 009 (MAA1300Y10)   |
| <b>Cross-section</b>                           |   |   |   |   |
|  | 16 ... 120 mm <sup>2</sup>  | 25 ... 150 mm <sup>2</sup>  | 35 ... 240 mm <sup>2</sup>  | 1 x 95 ... 300 mm <sup>2</sup>  |
| <b>Rated data</b>                              |   |   |   |   |
| <b>Rated voltage</b><br>(max. impulse voltage) | 1000 V  | 1000 V  | 1000 V  | 1000 V  |
| <b>Rated current</b>                           | 280 A (Cu) / 250 A (Al)   | 320 A (Cu) / 290 A (Al)   | 425 A (Cu) / 380 A (Al)   | 490 A (Cu) / 440 A (Al)   |
| <b>Dimensions</b>                              |   |   |   |   |
| <b>Width (A)</b>                               | 30 mm   | 31 mm   | 37 mm   | 130 mm  |
| <b>Height (B)</b>                              | 53 mm   | 54 mm   | 65 mm   | 100 mm  |
| <b>Length (C)</b>                              | 84 mm   | 84 mm   | 106 mm  | 120 mm  |
| <b>Clamping screw</b>                          | M 6   | M 6   | M 8   | M 8   |
| <b>Tightening torque range</b>                 | 12 Nm (16 ÷ 35 mm <sup>2</sup> )<br>25 Nm (50 ÷ 120 mm <sup>2</sup> ) | 14 Nm (25 ÷ 50 mm <sup>2</sup> )<br>30 Nm (70 ÷ 150 mm <sup>2</sup> ) | 26 Nm (35 ÷ 120 mm <sup>2</sup> )<br>40 Nm (150 ÷ 240 mm <sup>2</sup> ) | 30 Nm (95 ÷ 150 mm <sup>2</sup> )<br>45 Nm (185 ÷ 300 mm <sup>2</sup> ) |
| <b>For use with</b>                            | DIN rail/screw  | DIN rail/screw  | DIN rail/screw  | DIN rail/screw  |
| <b>Weight</b>                                  | 85 g  | 100 g   | 195 g   | 686 g   |
| <b>Package*</b>                                | ● 30 pcs / ●● 15 pcs  | ● 20 pcs / ●● 10 pcs  | ● 10 pcs / ●● 3 pcs   | 3 pcs   |

\*Products also sold per item

| Accessories | Product name          | Cat. No.                          | Package    | Product name     | Cat. No.                          | Package    | Product name     | Cat. No.                          | Package    | Product name     | Cat. No.                          | Package    |                  |
|-------------|-----------------------|-----------------------------------|------------|------------------|-----------------------------------|------------|------------------|-----------------------------------|------------|------------------|-----------------------------------|------------|------------------|
|             | <b>Rail marker</b>    |                                   |            |                  |                                   |            |                  |                                   |            |                  |                                   |            |                  |
|             | Grey ●                | T 900                             | 17 900 302 | 50 pcs           | T 900                             | 17 900 302 | 50 pcs           | T 900                             | 17 900 302 | 50 pcs           | T 900                             | 17 900 302 | 50 pcs           |
| Grey ●      | T 927                 | 17 927 302                        | 50 pcs     | T 927            | 17 927 302                        | 50 pcs     | T 927            | 17 927 302                        | 50 pcs     | T 927            | 17 927 302                        | 50 pcs     |                  |
|             | <b>End bracket</b>    |                                   |            |                  |                                   |            |                  |                                   |            |                  |                                   |            |                  |
|             | Grey ●                | T 910                             | 17 910 312 | 50 pcs           | T 910                             | 17 910 312 | 50 pcs           | T 910                             | 17 910 312 | 50 pcs           | T 910                             | 17 910 312 | 50 pcs           |
| Grey ●      | T 940                 | 17 940 312                        | 50 pcs     | T 940            | 17 940 312                        | 50 pcs     | T 940            | 17 940 312                        | 50 pcs     | T 940            | 17 940 312                        | 50 pcs     |                  |
|             | <b>Contact grease</b> | SR-1                              | 89 764 000 | 1 piece (250 ml) | SR-1                              | 89 764 000 | 1 piece (250 ml) | SR-1                              | 89 764 000 | 1 piece (250 ml) | SR-1                              | 89 764 000 | 1 piece (250 ml) |
|             | <b>Cover</b>          | Cover OTL120 /150 mm <sup>2</sup> | 89 807 002 | 10 pcs           | Cover OTL120 /150 mm <sup>2</sup> | 89 807 002 | 10 pcs           | Cover OTL240 /300 mm <sup>2</sup> | 89 808 002 | 10 pcs           | Cover OTL240 /300 mm <sup>2</sup> | 89 808 002 | 10 pcs           |



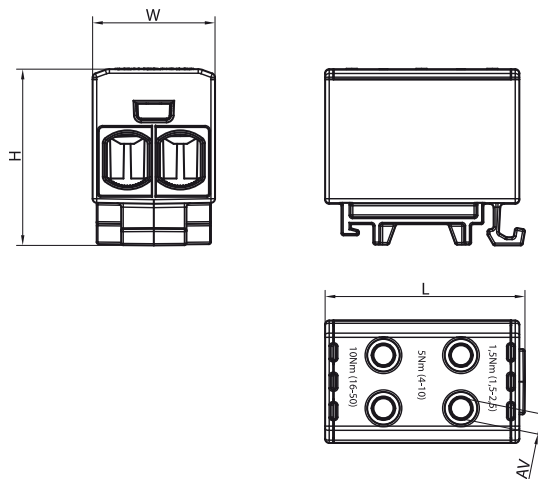


| Colour   Cat. No.                    | 2x35 <sup>□</sup>  | 2x50 <sup>□</sup>   | 2x95 <sup>□</sup>  | 2x120 <sup>□</sup>   |
|--------------------------------------|--|---|--|--|
| Grey ●                               | 89 797 002 (MAA2035A10)  | 89 730 002 (MAA2050A10)   | 89 733 002 (MAA2095A10)  | 89 798 002 (MAA2120A10)  |
| Blue ●                               | 89 797 003 (MAA2035B10)  | 89 731 003 (MAA2050B10)   | 89 734 003 (MAA2095B10)  | 89 798 003 (MAA2120B10)  |
| Green-Yellow ●●                      | 89 797 009 (MAA2035Y10)  | 89 732 009 (MAA2050Y10)   | 89 735 009 (MAA2095Y10)  | 89 798 009 (MAA2120Y10)  |
| Red ●                                | —  | 89 730 001 (MAA2050R10)   | 89 733 001 (MAA2095R10)  | —  |
| Black ●                              | —  | 89 730 007 (MAA2050S10)   | 89 733 007 (MAA2095S10)  | —  |
| Cross-section                        | 2 x (2.5 ... 35 mm <sup>2</sup> )  | 2 x (1.5 ... 50 mm <sup>2</sup> )   | 2 x (6 ... 95 mm <sup>2</sup> )  | 2 x (16 ... 120 mm <sup>2</sup> )  |
| Rated data                           |  |   |  |  |
| Rated voltage (max. impulse voltage) | 1000 V   | 1000 V  | 1000 V   | 1000 V   |
| Rated current                        | 135 A (Cu) / 120 A (Al)  | 320 A (Cu) / 290 A (Al)   | 490 A (Cu) / 440 A (Al)  | 560 A (Cu) / 500 A (Al)  |
| Dimensions                           |  |   |  |  |
| Width (W) / Height (H) / Length (L)  | 27 / 40 / 46 mm  | 30 / 43 / 49 mm   | 42 / 51 / 84 mm  | 51 / 54 / 84 mm  |
| Clamping screw                       | M 4  | M 5   | M 6  | M 6  |
| Tightening torque range              | 3 Nm (2.5 ÷ 16 mm <sup>2</sup> )<br>6 Nm (25 ÷ 35 mm <sup>2</sup> )<br>- | 1.5 Nm (1.5 ÷ 2,5 mm <sup>2</sup> )<br>5 Nm (4 ÷ 10 mm <sup>2</sup> )<br>10 Nm (16 ÷ 50 mm <sup>2</sup> ) | 12 Nm (6 ÷ 25 mm <sup>2</sup> )<br>22 Nm (35 ÷ 95 mm <sup>2</sup> )<br>- | 12 Nm (16 ÷ 35 mm <sup>2</sup> )<br>25 Nm (50 ÷ 120 mm <sup>2</sup> )<br>- |
| For use with                         | DIN rail   | DIN rail  | DIN rail/screw   | DIN rail/screw   |
| Weight                               | 44 g   | 90 g  | 125 g  | 150 g  |
| Package*                             | 18 pcs   | 15 pcs  | ● 30 pcs / ●●●●● 15 pcs  | ● 10 pcs / ●●● 5 pcs   |

\*Products also sold per item

| Accessories    | Product name | Cat. No.   | Package          | Product name                | Cat. No.   | Package          | Product name                | Cat. No.   | Package          | Product name                     | Cat. No.   | Package          |        |
|----------------|--------------|------------|------------------|-----------------------------|------------|------------------|-----------------------------|------------|------------------|----------------------------------|------------|------------------|--------|
| Rail marker    | Grey ●       | T 900      | 17 900 302       | 50 pcs                      | T 900      | 17 900 302       | 50 pcs                      | T 900      | 17 900 302       | 50 pcs                           | T 900      | 17 900 302       | 50 pcs |
|                | Grey ●       | T 927      | 17 927 302       | 50 pcs                      | T 927      | 17 927 302       | 50 pcs                      | T 927      | 17 927 302       | 50 pcs                           | T 927      | 17 927 302       | 50 pcs |
| End bracket    | Grey ●       | T 910      | 17 910 312       | 50 pcs                      | T 910      | 17 910 312       | 50 pcs                      | T 910      | 17 910 312       | 50 pcs                           | T 910      | 17 910 312       | 50 pcs |
|                | Grey ●       | T 940      | 17 940 312       | 50 pcs                      | T 940      | 17 940 312       | 50 pcs                      | T 940      | 17 940 312       | 50 pcs                           | T 940      | 17 940 312       | 50 pcs |
| Contact grease | SR-1         | 89 764 000 | 1 piece (250 ml) | SR-1                        | 89 764 000 | 1 piece (250 ml) | SR-1                        | 89 764 000 | 1 piece (250 ml) | SR-1                             | 89 764 000 | 1 piece (250 ml) |        |
| Cover          |              |            |                  | Cover OTL50 mm <sup>2</sup> | 89 805 002 | 10 pcs           | Cover OTL95 mm <sup>2</sup> | 89 806 002 | 10 pcs           | Cover OTL120/150 mm <sup>2</sup> | 89 807 002 | 10 pcs           |        |

Notes: Terminal blocks with single-block clamp (work on one potential).



▶ OTL 150-2



▶ OTL 240-2



▶ OTL 300-2

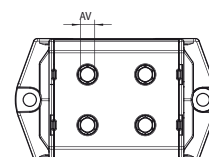
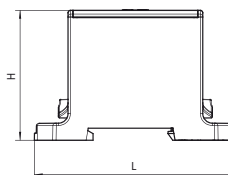
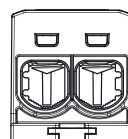
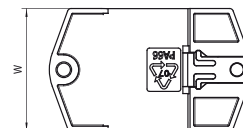


| Colour   Cat. No.                    | 2x150 <sup>□</sup>  | 2x240 <sup>□</sup>  | NEW                        | 2x300 <sup>□</sup>  |
|--------------------------------------|---|---|----------------------------|---|
| Grey ●                               | 89 736 002 (MAA2150A10) ●   | 89 739 002 (MAA2240A10) ●   | 89 718 002 (MAA2300A10) ●  |   |
| Blue ●                               | 89 737 003 (MAA2150B10) ●   | 89 740 003 (MAA2240B10) ●   | 89 718 003 (MAA2300B10) ●  |   |
| Green-Yellow ●●                      | 89 738 009 (MAA2150Y10) ●●  | 89 741 009 (MAA2240Y10) ●●  | 89 718 009 (MAA2300Y10) ●● |   |
| Coross-section                       |   |   |                            |   |
|                                      | 2 x (25 ... 150 mm <sup>2</sup> )                                     | 2 x (35 ... 240 mm <sup>2</sup> )                                       |                            | 2 x (95 ... 300 mm <sup>2</sup> )                                       |
| Rated data                           |   |   |                            |   |
| Rated voltage (max. impulse voltage) | 1000 V  | 1000 V  |                            | 1000 V  |
| Rated current                        | 640 A (Cu) / 580 A (Al)   | 850 A (Cu) / 760 A (Al)   |                            | 490 A (Cu) / 440 A (Al)   |
| Dimensions                           |   |   |                            |   |
| Width (A)                            | 51 mm   | 60 mm   |                            | 205 mm  |
| Height (B)                           | 54 mm   | 65 mm   |                            | 100 mm  |
| Length (C)                           | 84 mm   | 106 mm  |                            | 300 mm  |
| Clamping screw                       | M 6   | M 8   |                            | M 8   |
| Tightening torque range              | 14 Nm (25 ÷ 50 mm <sup>2</sup> )<br>30 Nm (70 ÷ 150 mm <sup>2</sup> ) | 26 Nm (35 ÷ 120 mm <sup>2</sup> )<br>40 Nm (150 ÷ 240 mm <sup>2</sup> ) |                            | 30 Nm (95 ÷ 150 mm <sup>2</sup> )<br>45 Nm (185 ÷ 300 mm <sup>2</sup> ) |
| For use with                         | DIN rail/screw  | DIN rail/screw  |                            | DIN rail/screw  |
| Weight                               | 170 g   | 340 g   |                            | 399 g   |
| Package*                             | ● 10 pcs / ●●● 5 pcs  | ● 6 pcs / ●●● 3 pcs   |                            | 6 pcs   |

\*Products also sold per item

| Accessories    | Product name                     | Cat. No.   | Package          | Product name                      | Cat. No.   | Package          | Product name                      | Cat. No.   | Package          |
|----------------|----------------------------------|------------|------------------|-----------------------------------|------------|------------------|-----------------------------------|------------|------------------|
| Rail marker    | T 900                            | 17 900 302 | 50 pcs           | T 900                             | 17 900 302 | 50 pcs           | T 900                             | 17 900 302 | 50 pcs           |
|                | T 927                            | 17 927 302 | 50 pcs           | T 927                             | 17 927 302 | 50 pcs           | T 927                             | 17 927 302 | 50 pcs           |
| End bracket    | T 910                            | 17 910 312 | 50 pcs           | T 910                             | 17 910 312 | 50 pcs           | T 910                             | 17 910 312 | 50 pcs           |
|                | T 940                            | 17 940 312 | 50 pcs           | T 940                             | 17 940 312 | 50 pcs           | T 940                             | 17 940 312 | 50 pcs           |
| Contact grease | SR-1                             | 89 764 000 | 1 piece (250 ml) | SR-1                              | 89 764 000 | 1 piece (250 ml) | SR-1                              | 89 764 000 | 1 piece (250 ml) |
| Cover          | Cover OTL120/150 mm <sup>2</sup> | 89 807 002 | 10 pcs           | Cover OTL 240/300 mm <sup>2</sup> | 89 808 002 | 10 pcs           | Cover OTL 240/300 mm <sup>2</sup> | 89 808 002 | 10 pcs           |

Notes: Terminal blocks with single-block clamp (work on one potential).



### OTL 50-3



### OTL 95-3






### OTL 150-3

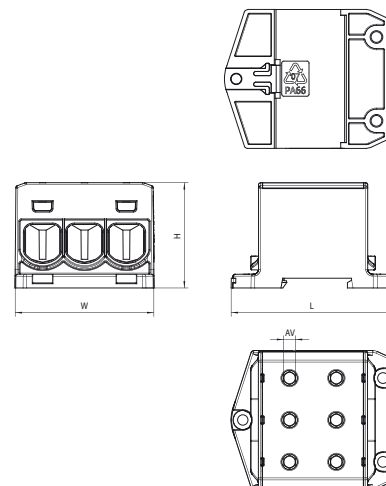


| Colour   Cat. No.                              | <b>NEW</b>  | internally consistent <b>3x50</b> <sup>□</sup> | <b>NEW</b>   | internally consistent <b>3x95</b> <sup>□</sup> | <b>NEW</b>   | internally consistent <b>3x150</b> <sup>□</sup> |
|--|---|--|--|--|--|---|
| Grey ●   | <b>89 826 002</b> (MAA3050A10)  | ●  | <b>89 827 002</b> (MAA3095A10)   | ●  | <b>89 828 002</b> (MAA3150A10)   | ●   |
| Blue ●   | <b>89 826 003</b> (MAA3050B10)  | ●  | <b>89 827 003</b> (MAA3095B10)   | ●  | <b>89 828 003</b> (MAA3150B10)   | ●   |
| Green-Yellow ●                                 | <b>89 826 009</b> (MAA3050Y10)  | ●  | <b>89 827 009</b> (MAA3095Y10)   | ●  | <b>89 828 009</b> (MAA3150Y10)   | ●   |
| <b>Cross-section</b>                           | 3 x (1.5 ... 50 mm <sup>2</sup> )   |  | 3 x (6 ... 95 mm <sup>2</sup> )  |  | 3 x (25 ... 150 mm <sup>2</sup> )  |   |
| <b>Rated data</b>                              |   |  |  |  |  |   |
| <b>Rated voltage</b><br>(max. impulse voltage) | 1000 V  |  | 1000 V   |  | 1000 V   |   |
| <b>Rated current</b>                           | 160 A (Cu) / 145 A (Al)   |  | 245 A (Cu) / 220 A (Al)  |  | 320 A (Cu) / 290 A (Al)  |   |
| <b>Dimensions</b>                              |   |  |  |  |  |   |
| <b>Width (W)</b>                               | 155 mm  |  | 205 mm   |  | 205 mm   |   |
| <b>Height (L)</b>                              | 105 mm  |  | 100 mm   |  | 100 mm   |   |
| <b>Length (H)</b>                              | 210 mm  |  | 300 mm   |  | 300 mm   |   |
| <b>Clamping screw</b>                          | M 5   |  | M 6  |  | M 6  |   |
| <b>Tightening torque range</b>                 | 1.5 Nm (1.5 ÷ 2.5 mm <sup>2</sup> )<br>5 Nm (4 ÷ 10 mm <sup>2</sup> )<br>10 Nm (16 ÷ 50 mm <sup>2</sup> ) |  | 12 Nm (6 ÷ 25 mm <sup>2</sup> )<br>22 Nm (35 ÷ 95 mm <sup>2</sup> )<br>- |  | 14 Nm (25 ÷ 50 mm <sup>2</sup> )<br>30 Nm (70 ÷ 150 mm <sup>2</sup> )<br>- |   |
| <b>For use with</b>                            | DIN rail/screw  |  | DIN rail/screw   |  | DIN rail/screw   |   |
| <b>Weight</b>                                  | 1808 g  |  | 1170 g   |  | 1576 g   |   |
| <b>Package*</b>                                | 20 pcs  |  | 6 pcs  |  | 6 pcs  |   |

\*Products also sold per item

| Accessories           | Product name  | Cat. No.                          | Package                                | Product name        | Cat. No.                          | Package                                | Product name        | Cat. No.                                 | Package                                |                     |
|-----------------------|---|-----------------------------------|--|---------------------|-----------------------------------|--|---------------------|--|--|---------------------|
| <b>Rail marker</b>    |  | T 900<br>T 927                    | <b>17 900 302</b><br><b>17 927 302</b> | 50 pcs<br>50 pcs    | T 900<br>T 927                    | <b>17 900 302</b><br><b>17 927 302</b> | 50 pcs<br>50 pcs    | T 900<br>T 927                           | <b>17 900 302</b><br><b>17 927 302</b> | 50 pcs<br>50 pcs    |
| <b>End bracket</b>    |  | T 910<br>T 940                    | <b>17 910 312</b><br><b>17 940 312</b> | 50 pcs<br>50 pcs    | T 910<br>T 940                    | <b>17 910 312</b><br><b>17 940 312</b> | 50 pcs<br>50 pcs    | T 910<br>T 940                           | <b>17 910 312</b><br><b>17 940 312</b> | 50 pcs<br>50 pcs    |
| <b>Contact grease</b> |  | SR-1                              | <b>89 764 000</b>                      | 1 piece<br>(250 ml) | SR-1                              | <b>89 764 000</b>                      | 1 piece<br>(250 ml) | SR-1                                     | <b>89 764 000</b>                      | 1 piece<br>(250 ml) |
| <b>Cover</b>          |   | Cover<br>OTL50<br>mm <sup>2</sup> | <b>89 805 002</b>                      | 10 pcs              | Cover<br>OTL95<br>mm <sup>2</sup> | <b>89 806 002</b>                      | 10 pcs              | Cover<br>OTL 120/<br>150 mm <sup>2</sup> | <b>89 807 002</b>                      | 10 pcs              |

Notes: Terminal blocks with single-block clamp (work on one potential).





▶ OTL 35-3X



▶ OTL 50-3X



▶ OTL 35-5X



| Colour   Cat. No.                    | internally insulated 3x35 <sup>□</sup>                                   | internally insulated 3x50 <sup>□</sup>  | internally insulated 5x35 <sup>□</sup>                              |
|--------------------------------------|--|---|---|
| Grey ●                               | 89 801 002 (MAA1335A10) ●  | 89 707 002 (MAA1350A10) ●   | _____   |
| Grey, Blue ●<br>Green-Yellow ●       | _____  | _____   | 89 802 002 (MAA5035A10) ●●●   |
| Cross-section                        | 3 x (1 x 2.5 ... 35 mm <sup>2</sup> )                                    | 3 x (1 x 2.5 ... 50 mm <sup>2</sup> )   | 5 x (2.5 ... 35 mm <sup>2</sup> )                                   |
| Rated data                           |  |   |   |
| Rated voltage (max. impulse voltage) | 1000 V   | 1000 V  | 1000 V  |
| Rated current                        | 3 x 135 A (Cu) / 3 x 120 A (Al)  | 3 x 160 A (Cu) / 3 x 145 A (Al)   | 3 x 135 A (Cu) / 3 x 120 A (Al)                                     |
| Dimensions                           |  |   |   |
| Width (A)                            | 46 mm  | 49 mm   | 79 mm   |
| Height (B)                           | 40 mm  | 43 mm   | 40 mm   |
| Length (C)                           | 46 mm  | 49 mm   | 65 mm   |
| Clamping screw                       | M 4  | M 5   | M 4   |
| Tightening torque range              | 3 Nm (2.5 ÷ 16 mm <sup>2</sup> )<br>6 Nm (25 ÷ 35 mm <sup>2</sup> )<br>- | 1.5 Nm (1.5 ÷ 2.5 mm <sup>2</sup> )<br>5 Nm (4 ÷ 10 mm <sup>2</sup> )<br>10 Nm (16 ÷ 50 mm <sup>2</sup> ) | 3 Nm (2.5 ÷ 16 mm <sup>2</sup> )<br>6 Nm (25 ÷ 35 mm <sup>2</sup> ) |
| For use with                         | DIN rail   | DIN rail  | DIN rail/screw  |
| Weight                               | 70 g   | 100 g   | 120 g   |
| Package*                             | 20 pcs   | 20 pcs  | 10 pcs  |

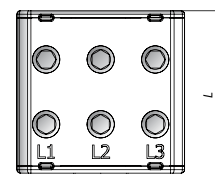
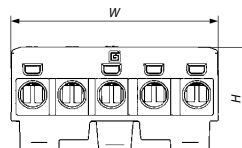
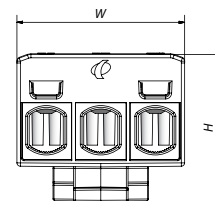
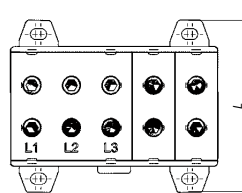
\*Products also sold per item

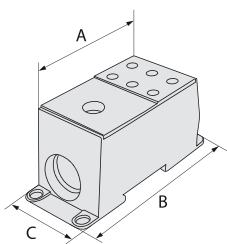
| Accessories | Product name   | Cat. No. | Package    | Product name                | Cat. No.   | Package    | Product name     | Cat. No. | Package    |                  |
|-------------|----------------|----------|------------|-----------------------------|------------|------------|------------------|----------|------------|------------------|
|             | Rail marker    |          |            |                             |            |            |                  |          |            |                  |
|             | Grey ●         | T 900    | 17 900 302 | 50 pcs                      | T 900      | 17 900 302 | 50 pcs           | T 900    | 17 900 302 | 50 pcs           |
|             | Grey ●         | T 927    | 17 927 302 | 50 pcs                      | T 927      | 17 927 302 | 50 pcs           | T 927    | 17 927 302 | 50 pcs           |
|             | End bracket    |          |            |                             |            |            |                  |          |            |                  |
|             | Grey ●         | T 910    | 17 910 312 | 50 pcs                      | T 910      | 17 910 312 | 50 pcs           | T 910    | 17 910 312 | 50 pcs           |
|             | Grey ●         | T 940    | 17 940 312 | 50 pcs                      | T 940      | 17 940 312 | 50 pcs           | T 940    | 17 940 312 | 50 pcs           |
|             | Contact grease | SR-1     | 89 764 000 | 1 piece (250 ml)            | SR-1       | 89 764 000 | 1 piece (250 ml) | SR-1     | 89 764 000 | 1 piece (250 ml) |
|             | Cover          |          |            | Cover OTL50 mm <sup>2</sup> | 89 805 002 | 10 pcs     |                  |          |            |                  |

Terminal block with 3 internally insulated tracks

Terminal block with 3 internally insulated tracks

Terminal block with 5 internally insulated tracks

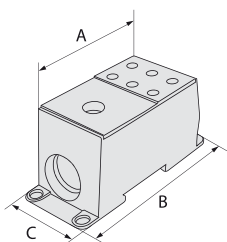




## ▶ AUC38503



| Colour   Cat. No.        | Al/Cu / 240 <sup>□</sup> / 6x50 <sup>□</sup> |
|--------------------------|--|
| Grey ● 82 123 002 ●      |  |
| Blue ● 82 124 003 ●      |  |
| Green ● 82 125 005 ●     |  |
| Red ● 82 126 001 ●       |  |
| Cable type               | Al / Cu                                      |
| Rated current            | 175 A  |
| Quantity x cross-section |  |
| Input: Solid             | 1 x (95 ... 240 mm <sup>2</sup> )            |
| Stranded                 | 1 x (70 ... 185 mm <sup>2</sup> )            |
| Output: Solid            | 6 x (10 ... 50 mm <sup>2</sup> )             |
| Stranded                 | 6 x (6 ... 35 mm <sup>2</sup> )              |
| Dimensions               |  |
| Width (A)                | 103 mm                                       |
| Height (B)               | 45 mm  |
| Length (C)               | 51 mm  |
| Package                  | 5 pcs  |



## ▶ AUC38504



| Colour   Cat. No.        | Al/Cu / 240 <sup>□</sup> / 2x120 <sup>□</sup> |
|--------------------------|---|
| Grey ● 82 131 002 ●      |   |
| Blue ● 82 132 003 ●      |   |
| Green ● 82 133 005 ●     |   |
| Red ● 82 134 001 ●       |   |
| Cable type               | Al / Cu                                       |
| Rated current            | 350 A   |
| Quantity x cross-section |   |
| Input: Solid             | 1 x (95 ... 240 mm <sup>2</sup> )             |
| Stranded                 | 1 x (70 ... 185 mm <sup>2</sup> )             |
| Output: Solid            | 2 x (50 ... 120 mm <sup>2</sup> )             |
| Stranded                 | 2 x (35 ... 95 mm <sup>2</sup> )              |
| Dimensions               |   |
| Width (A)                | 103 mm  |
| Height (B)               | 45 mm   |
| Length (C)               | 51 mm   |
| Package                  | 5 pcs   |

► OJL 200 A

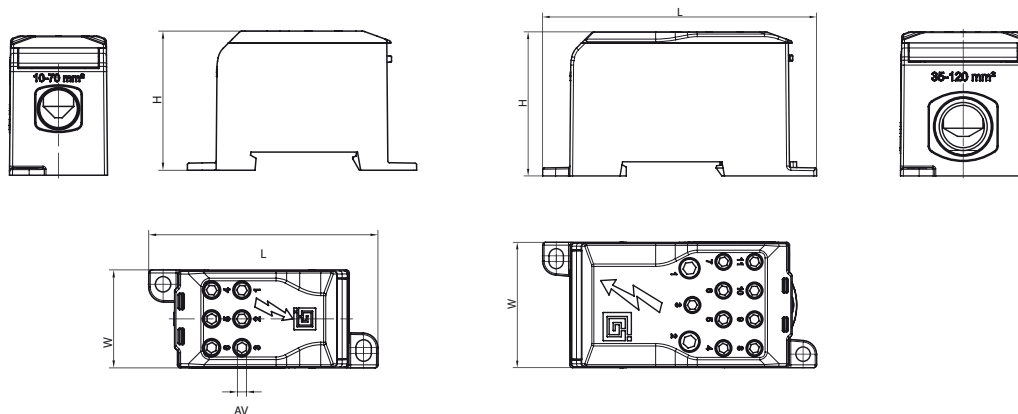


► OJL 280 A



| Colour   Cat. No.                       | 1x70 <sup>□</sup> / 6x16 <sup>□</sup>  | 1x120 <sup>□</sup> / 4x10 <sup>□</sup> , 5x16 <sup>□</sup> , 2x35 <sup>□</sup>   |
|---|--|--|
| Grey ●                                  | 89 792 002 (MAB1201S10) ●  | 89 793 002 (MAB1281S10) ●  |
| Cross-section                           |  |  |
| Input Al/Cu                             | 1 x (10 ... 70 mm <sup>2</sup> )   | 1 x (35 ... 120 mm <sup>2</sup> )  |
| Output Cu                               | 6 x (2.5 ... 16 mm <sup>2</sup> )  | 4 x (2.5 ... 10 mm <sup>2</sup> )<br>5 x (2.5 ... 16 mm <sup>2</sup> )<br>2 x (6 ... 35 mm <sup>2</sup> )                                    |
| Rated data                              |  |  |
| Rated voltage<br>(max. impulse voltage) | 1000 V   | 1000 V   |
| Rated current                           | 200 (Cu) / 160 (Al)  | 280 (Cu) / 250 (Al)  |
| Dimensions                              |  |  |
| Width (H)                               | 32.4 mm  | 44.4 mm  |
| Height (W)                              | 46 mm  | 51 mm  |
| Length (L)                              | 75.8 mm  | 97 mm  |
| Tightening torque range                 | 3 Nm (2.5 ÷ 16 mm <sup>2</sup> )<br>6 Nm (25 ÷ 35 mm <sup>2</sup> )<br>10 Nm (50 ÷ 70 mm <sup>2</sup> )<br>- | 3 Nm (2.5 ÷ 16 mm <sup>2</sup> )<br>6 Nm (25 ÷ 35 mm <sup>2</sup> )<br>10 Nm (50 ÷ 70 mm <sup>2</sup> )<br>19 Nm (95 ÷ 120 mm <sup>2</sup> ) |
| For use with                            | DIN rail/screw   | DIN rail/screw   |
| Weight                                  | 84 g   | 178 g  |
| Package                                 | 24 pcs   | 12 pcs   |

| Accessories   | Product name | Cat. No.   | Package             | Product name | Cat. No.   | Package             |        |
|---|--------------|------------|---------------------|--------------|------------|---------------------|--------|
| Rail marker   |              |            |                     |              |            |                     |        |
|  | Grey ●       | T 900      | 17 900 302          | 50 pcs       | T 900      | 17 900 302          | 50 pcs |
|   | Grey ●       | T 927      | 17 927 302          | 50 pcs       | T 927      | 17 927 302          | 50 pcs |
| End bracket   |              |            |                     |              |            |                     |        |
|  | Grey ●       | T 910      | 17 910 312          | 50 pcs       | T 910      | 17 910 312          | 50 pcs |
|   | Grey ●       | T 940      | 17 940 312          | 50 pcs       | T 940      | 17 940 312          | 50 pcs |
| Contact grease  |              |            |                     |              |            |                     |        |
|  | SR-1         | 89 764 000 | 1 piece<br>(250 ml) | SR-1         | 89 764 000 | 1 piece<br>(250 ml) |        |






## ▶ OJL 400 A

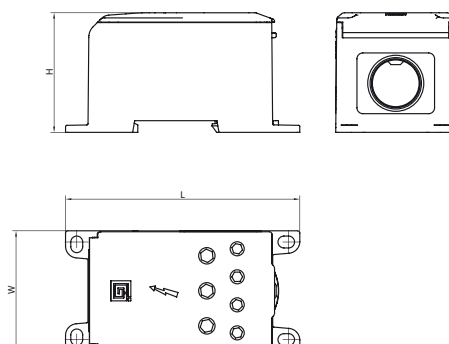


## ▶ OJL 400 AF



| Colour   Cat. No.  | <b>1x240<sup>□</sup> / 4x35<sup>□</sup>, 3x50<sup>□</sup></b>  | <b>NEW</b> | <b>BAR</b><br><b>Cu 1x25<sup>□</sup> / 4x35<sup>□</sup>, 3x50<sup>□</sup></b>                               |
|--|--|------------|---|
| Grey ●   | <b>89 800 002</b> (MAB1401S10) ●   |            | <b>89 829 002</b> (MAB1403S10) ●  |
| <b>Cross-section</b>                                       |  |            |   |
| <b>Input Al/Cu</b>   | 1 x (95 ... 240 mm <sup>2</sup> )  |            | 1 x flexibar 10x Cu (1x25)  |
| <b>Output Cu</b>   | 4 x (2.5 ... 35 mm <sup>2</sup> )<br>3 x (6 ... 50 mm <sup>2</sup> )                                     |            | 4 x (2.5 ... 35 mm <sup>2</sup> )<br>3 x (6 ... 50 mm <sup>2</sup> )  |
| <b>Rated data</b>  |  |            |   |
| <b>Rated voltage</b><br>(max. impulse voltage)             | 1000 V   |            | 1000 V  |
| <b>Rated current</b>                                       | 425 (Cu) / 380 (Al)  |            | 425 (Cu) / 380 (Al)   |
| <b>Dimensions</b>  |  |            |   |
| <b>Width (A)</b><br><b>Height (B)</b><br><b>Length (C)</b> | 51.4 mm<br>51.2 mm<br>100.3 mm   |            | 51.4 mm<br>51.2 mm<br>100.3 mm  |
| <b>Tightening torque range</b>                             | 6 Nm (2.5 ÷ 35 mm <sup>2</sup> )<br>10 Nm (6 ÷ 50 mm <sup>2</sup> )<br>19 Nm (95 ÷ 240 mm <sup>2</sup> ) |            | 3 Nm (2.5 ÷ 16 mm <sup>2</sup> )<br>10 Nm (6 ÷ 50 mm <sup>2</sup> )<br>10 Nm (10x Cu 1x25 mm <sup>2</sup> ) |
| <b>For use with</b>  | DIN rail/screw   |            | DIN rail/screw  |
| <b>Weight</b>  | 250 g  |            | 247 g   |
| <b>Package</b>   | 8 pcs  |            | 8 pcs   |

| Accessories   | Product name | Cat. No.          | Package             | Product name | Cat. No.          | Package             |
|---|--------------|-------------------|---------------------|--------------|-------------------|---------------------|
| <br><b>Rail marker</b><br>Grey ●<br>Grey ● | T 900        | <b>17 900 302</b> | 50 pcs              | T 900        | <b>17 900 302</b> | 50 pcs              |
|   | T 927        | <b>17 927 302</b> | 50 pcs              | T 927        | <b>17 927 302</b> | 50 pcs              |
| <br><b>End bracket</b><br>Grey ●<br>Grey ● | T 910        | <b>17 910 312</b> | 50 pcs              | T 910        | <b>17 910 312</b> | 50 pcs              |
|   | T 940        | <b>17 940 312</b> | 50 pcs              | T 940        | <b>17 940 312</b> | 50 pcs              |
| <br><b>Contact grease</b>                  | SR-1         | <b>89 764 000</b> | 1 piece<br>(250 ml) | SR-1         | <b>89 764 000</b> | 1 piece<br>(250 ml) |





| Colour   Cat. No. | NEW   | NEW                            | NEW                            | NEW                            |
|-------------------|---|--------------------------------|--------------------------------|--------------------------------|
| Grey ●            | <b>89 805 002</b> (MAA0050A10)  | <b>89 806 002</b> (MAA0095A10) | <b>89 807 002</b> (MAA0150A10) | <b>89 808 002</b> (MAA0240A10) |
| Width (A)         | 14 mm   | 18.3 mm                        | 22 mm                          | 28 mm                          |
| Height (B)        | 31.5 mm   | 45 mm                          | 47.5 mm                        | 57.5 mm                        |
| Length (C)        | 10 mm   | 10 mm                          | 10 mm                          | 10 mm                          |
| Weight            | 0.8 g   | 1.4 g                          | 1.7 g                          | 2.7 g                          |
| Package           | 10 pcs  | 10 pcs                         | 10 pcs                         | 10 pcs                         |
| Usage             | These insulating covers are accessories for OTL connectors. They are used to acquire IP 20 protection level (the cover for conducting parts) when conductors with smaller diameter are used and for 2- and 3-track versions. They match all the versions of OTL connectors (1-, 2-, 3- and 5-track) |                                |                                |                                |

► Contact grease SR1



| Colour   Cat. No.           |   |
|-----------------------------|---|
| Transparent ○               | <b>89 764 000</b> ○   |
| Usable in temperature range | -30 °C ... +110 °C  |
| Base oil viscosity          | for 100 °C – 10; 40 °C – 112  |
| Liquefaction point          | ≥ for 180 °C  |
| Class                       | NLGI 2  |
| Package                     | 250 ml  |
| Purpose                     | SR1 contact grease is applied on the surface of conductors and clamps. It increases the contact surface of the wire and the clamp, what improves the conductivity. This area is also protected from oxidation. It is very important when it comes to securing the correct functioning of the connected aluminium, copper and steel elements for a longer period. The grease does not irritate skin. |

## MAXIMUM NUMBER OF COPPER AND ALUMINIUM WIRES IN CLAMPS:

| Product name | Catalogue No.              | Cross-section (mm <sup>2</sup> ) / Number of wires |     |     |   |   |    |    |    |    |    |    |    |     |     | Tightening torque range (Nm) | In [A]  | Un [V]  |           |         |
|--------------|----------------------------|--|-----|-----|---|---|----|----|----|----|----|----|----|-----|-----|------------------------------|---|---|-----------|---------|
|              |                            |  | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 |                              | 185   |   | 240       | Cu / Al |
| OTL 16       | 89 701 002<br>(MAA1016A10) | Al   | 1   | 1   | 1 | 1 | 1  | 1  |    |    |    |    |    |     |     |                              |   | 1.5 Nm (1.5 - 6 mm <sup>2</sup> )<br>7 Nm (10 - 16 mm <sup>2</sup> )    | 82 / 75   | 1000 V  |
|              |                            | Cu   | 3   | 3   | 2 | 2 | 1  | 1  |    |    |    |    |    |     |     |                              |   |   |           |         |
| OTL 35       | 89 795 002<br>(MAA1035A10) | Al   |     | 1   | 1 | 1 | 1  | 1  | 1  | 1  |    |    |    |     |     |                              |   | 3 Nm (2.5 - 16 mm <sup>2</sup> )<br>6 Nm (25 - 35 mm <sup>2</sup> )     | 135 / 120 | 1000 V  |
|              |                            | Cu   |     | 3   | 3 | 3 | 3  | 2  | 1  | 1  |    |    |    |     |     |                              |   |   |           |         |
| OTL 50       | 89 704 002<br>(MAA1050A10) | Al   |     |     |   |   |    | 1  | 1  | 1  | 1  |    |    |     |     |                              | 1.5 Nm (1.5 - 2.5 mm <sup>2</sup> )<br>5 Nm (4 - 10 mm <sup>2</sup> )<br>10 Nm (16 - 50 mm <sup>2</sup> ) | 160 / 145   | 1000 V    |         |
|              |                            | Cu   | 3   | 3   | 3 | 3 | 3  | 3  | 2  | 1  | 1  |    |    |     |     |                              |   |   |           |         |
| OTL 95       | 89 708 002<br>(MAA1095A10) | Al   |     |     |   |   |    | 1  | 1  | 1  | 1  | 1  | 1  |     |     |                              | 12 Nm (6 - 25 mm <sup>2</sup> )<br>22 Nm (35 - 95 mm <sup>2</sup> )                                       | 245 / 220   | 1000 V    |         |
|              |                            | Cu   |     |     |   | 3 | 3  | 3  | 3  | 2  | 1  | 1  | 1  |     |     |                              |   |   |           |         |
| OTL 120      | 89 796 002<br>(MAA1120A10) | Al   |     |     |   |   |    |    | 1  | 1  | 1  | 1  | 1  | 1   |     |                              | 12 Nm (16 - 35 mm <sup>2</sup> )<br>25 Nm (50 - 120 mm <sup>2</sup> )                                     | 280 / 250   | 1000 V    |         |
|              |                            | Cu   |     |     |   |   |    |    | 3  | 3  | 2  | 1  | 1  | 1   |     |                              |   |   |           |         |
| OTL 150      | 89 711 002<br>(MAA1150A10) | Al   |     |     |   |   |    |    | 1  | 1  | 1  | 1  | 1  | 1   | 1   |                              | 14 Nm (25 - 50 mm <sup>2</sup> )<br>30 Nm (70-150 mm <sup>2</sup> )<br>30 (70 - 150 mm <sup>2</sup> )     | 320 / 290   | 1000 V    |         |
|              |                            | Cu   |     |     |   |   |    |    | 3  | 3  | 2  | 1  | 1  | 1   | 1   |                              |   |   |           |         |
| OTL 240      | 89 714 002<br>(MAA1240A10) | Al   |     |     |   |   |    |    |    | 1  | 1  | 1  | 1  | 1   | 1   | 1                            | 1   | 26 Nm (35 - 120 mm <sup>2</sup> )<br>40 Nm (150 - 240 mm <sup>2</sup> ) | 425 / 380 | 1000 V  |
|              |                            | Cu   |     |     |   |   |    |    |    | 3  | 3  | 3  | 2  | 2   | 1   | 1                            | 1   |   |           |         |
| OTL 35-2     | 89 797 002<br>(MAA2035A10) | Al   |     | 1   | 1 | 1 | 1  | 1  | 1  | 1  |    |    |    |     |     |                              | 3 Nm (2.5 - 16 mm <sup>2</sup> )<br>1.5 Nm (1.5-2.5 mm <sup>2</sup> )                                     | 270 / 240   | 1000 V    |         |
|              |                            | Cu   |     | 3   | 3 | 3 | 3  | 2  | 1  | 1  |    |    |    |     |     |                              |   |   |           |         |
| OTL 50-2     | 89 730 002<br>(MAA2050A10) | Al   |     |     |   |   |    | 1  | 1  | 1  | 1  |    |    |     |     |                              | 1.5 Nm (1.5 - 2.5 mm <sup>2</sup> )<br>5 Nm (4 - 10 mm <sup>2</sup> )<br>10 Nm (16 - 50 mm <sup>2</sup> ) | 320 / 290   | 1000 V    |         |
|              |                            | Cu   | 3   | 3   | 3 | 3 | 3  | 3  | 2  | 1  | 1  |    |    |     |     |                              |   |   |           |         |
| OTL 95-2     | 89 733 002<br>(MAA2095A10) | Al   |     |     |   |   |    | 1  | 1  | 1  | 1  | 1  | 1  |     |     |                              | 12 Nm (6 - 25 mm <sup>2</sup> )<br>22 Nm (35 - 95 mm <sup>2</sup> )                                       | 490 / 440   | 1000 V    |         |
|              |                            | Cu   |     |     |   | 3 | 3  | 3  | 3  | 2  | 1  | 1  | 1  |     |     |                              |   |   |           |         |
| OTL 120-2    | 89 798 002<br>(MAA2120A10) | Al   |     |     |   |   |    |    | 1  | 1  | 1  | 1  | 1  | 1   |     |                              | 12 Nm (16 - 35 mm <sup>2</sup> )<br>25 Nm (50 - 120 mm <sup>2</sup> )                                     | 560 / 500   | 1000 V    |         |
|              |                            | Cu   |     |     |   |   |    |    | 3  | 3  | 2  | 1  | 1  | 1   |     |                              |   |   |           |         |
| OTL 150-2    | 89 736 002<br>(MAA2150A10) | Al   |     |     |   |   |    |    | 1  | 1  | 1  | 1  | 1  | 1   | 1   |                              | 14 Nm (25 - 50 mm <sup>2</sup> )<br>30 Nm (70-150 mm <sup>2</sup> )<br>30 (70 - 150 mm <sup>2</sup> )     | 640 / 580   | 1000 V    |         |
|              |                            | Cu   |     |     |   |   |    |    | 3  | 3  | 2  | 1  | 1  | 1   | 1   |                              |   |   |           |         |
| OTL 240-2    | 89 739 002<br>(MAA2240A10) | Al   |     |     |   |   |    |    |    | 1  | 1  | 1  | 1  | 1   | 1   | 1                            | 1   | 26 Nm (35 - 120 mm <sup>2</sup> )<br>40 Nm (150 - 240 mm <sup>2</sup> ) | 850 / 760 | 1000 V  |
|              |                            | Cu   |     |     |   |   |    |    |    | 3  | 3  | 3  | 2  | 2   | 1   | 1                            | 1   |   |           |         |
| OTL 35-3     | 89 001 002<br>(MAA1335A10) | Al   |     | 1   | 1 | 1 | 1  | 1  | 1  | 1  |    |    |    |     |     |                              | 3 Nm (2.5 - 16 mm <sup>2</sup> )<br>6 Nm (25 - 35 mm <sup>2</sup> )                                       | 270 / 240   | 1000 V    |         |
|              |                            | Cu   |     | 3   | 3 | 3 | 3  | 2  | 1  | 1  |    |    |    |     |     |                              |   |   |           |         |
| OTL 50-3     | 89 707 002<br>(MAA1350A10) | Al   |     |     |   |   |    | 1  | 1  | 1  | 1  |    |    |     |     |                              | 1.5 Nm (1.5 - 2.5 mm <sup>2</sup> )<br>5 Nm (4 - 10 mm <sup>2</sup> )<br>10 Nm (16 - 50 mm <sup>2</sup> ) | 3x160 /<br>3x145  | 1000 V    |         |
|              |                            | Cu   | 3   | 3   | 3 | 3 | 3  | 3  | 2  | 1  | 1  |    |    |     |     |                              |   |   |           |         |

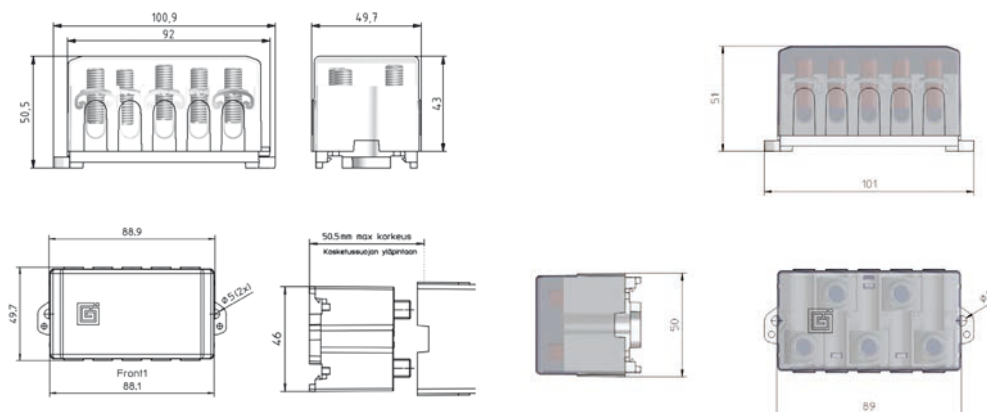
▶ VG01-0019



▶ OD02-0002



| Colour   Cat. No.                      | 5x16 <sup>□</sup>   | Insulating cover   |
|--|---|--|
|  | <b>89 799 002</b>   | <b>89 799 012</b>  |
| Certificate                            | CE  | CE   |
| Cross-section                          |   |  |
|  | 5 x (2.5 x 16 mm <sup>2</sup> ) (inside clamp: 7x20 mm)   |  |
| Rated data                             |   |  |
| Rated voltage                          | 690 V   |  |
| Rated current                          | 24 A  |  |
| Max. number of copper wires in a clamp |   |  |
|  | 2,5 mm <sup>2</sup> - 8<br>4 mm <sup>2</sup> - 6<br>6 mm <sup>2</sup> - 6<br>10 mm <sup>2</sup> - 4<br>16 mm <sup>2</sup> - 2   |  |
| Mounting                               | TS35 rail and to the mounting place   | On VG01-0019   |
| Weight                                 | 145 g   | 18 g   |
| Package                                | 50 pcs  | 50 pcs   |
| Additional features                    | A special distribution block for a pass-through connection. The clamp is constructed to let the wire in from the top of the clamp. The wire is stripped on the part that is connected to the clamp. It is possible to branch wires inside one clamp when they are mounted in bunches. | An insulating cover for the VG01-0019 pass-through terminal. It is mounted by pressing it onto the terminal. The height of the terminal with the cover is 50 mm. The knockouts are easily removed without any tools, just break the extending parts with your fingers. |



A special construction of the clamp lets the conductor go through.

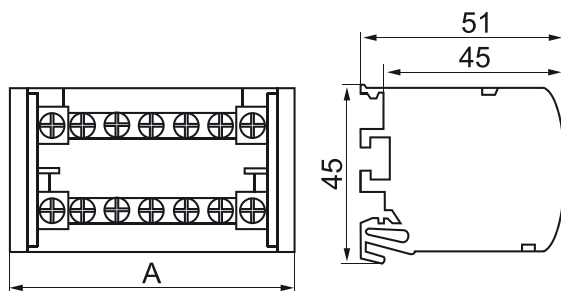
▶ ShNK 2x7



▶ ShNK 2x15



| Colour   Cat. No.               | NEW  | 2x(5x6 <sup>□</sup> , 2x16 <sup>□</sup> ) | NEW  | 2x(11x6 <sup>□</sup> , 2x25 <sup>□</sup> , 2x35 <sup>□</sup> ) |
|---------------------------------|--|---|--|--|
|                                 | 85 134 002   |   | 85 135 002   |  |
| <b>Rated data</b>               |  |   |  |  |
| <b>Rated voltage</b>            | 500V   |   | 500V   |  |
| <b>Rated current</b>            | 100 A  |   | 125 A  |  |
| <b>Cross-section</b>            |  |   |  |  |
|                                 | 5 x (1.5 ... 6 mm <sup>2</sup> )<br>2 x (6 ... 25 mm <sup>2</sup> ) } x 2 tracks |   | 11 x (2.5 ... 6 mm <sup>2</sup> )<br>2 x (10 ... 25 mm <sup>2</sup> )<br>2 x (10 ... 35 mm <sup>2</sup> ) } x 2 tracks |  |
| <b>Quantity x hole diameter</b> |  |   |  |  |
|                                 | 5 x Ø 5.3 mm<br>2 x Ø 7.5 mm } x 2 tracks  |   | 11 x Ø 5.3 mm<br>2 x Ø 7.5 mm<br>2 x Ø 9 mm } x 2 tracks   |  |
| <b>Length (A)</b>               | 65 mm  |   | 132 mm   |  |
| <b>Package</b>                  | 50 pcs (single package - 1 piece)  |   | 50 pcs (single package - 1 piece)  |  |





▶ ShNK 4x7



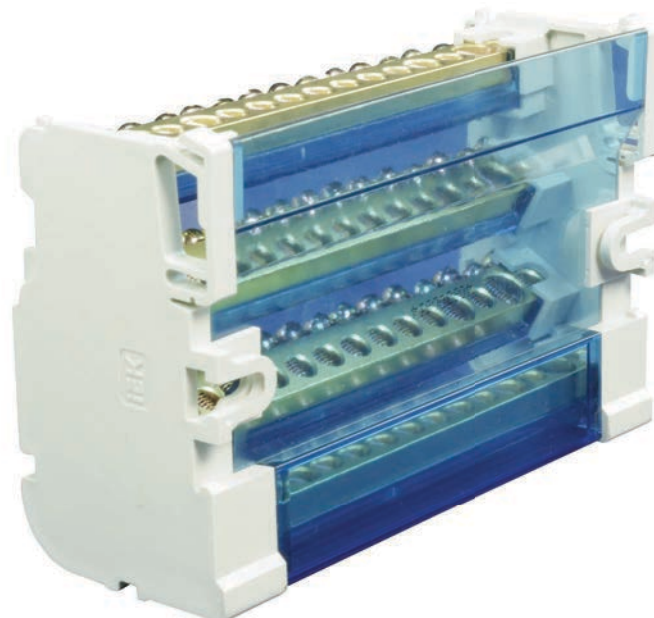
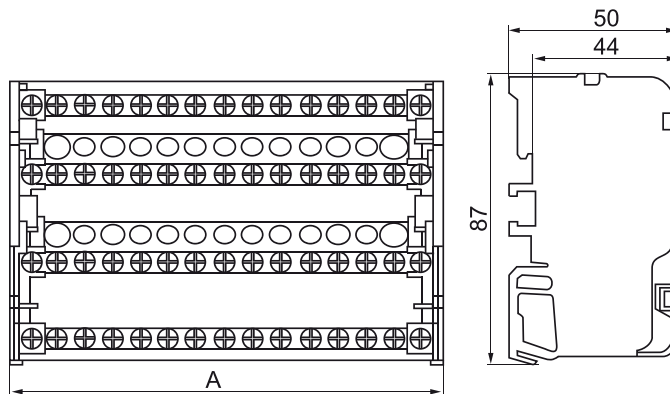
▶ ShNK 4x11



▶ ShNK 4x15



| Colour   Cat. No.        | NEW   | 4x(5x6 <sup>□</sup> , 2x25 <sup>□</sup> ) | NEW   | 4x(7x6 <sup>□</sup> , 2x25 <sup>□</sup> , 2x35 <sup>□</sup> ) | NEW  | 4x(11x6 <sup>□</sup> , 2x25 <sup>□</sup> , 2x35 <sup>□</sup> ) |
|--------------------------|---|---|---|---|--|--|
|                          | 85 136 002  |   | 85 137 002  |   | 85 138 002   |  |
| Rated data               |   |   |   |   |  |  |
| Rated voltage            | 500V  |   | 500V  |   | 500V   |  |
| Rated current            | 100 A   |   | 125 A   |   | 125 A  |  |
| Cross-section            |   |   |   |   |  |  |
|                          | 5 x (2.5 ... 6 mm <sup>2</sup> )<br>2 x (10 ... 25 mm <sup>2</sup> ) } x 4 tracks |   | 7 x (2.5 ... 6 mm <sup>2</sup> )<br>2 x (10 ... 25 mm <sup>2</sup> )<br>2 x (10 ... 35 mm <sup>2</sup> ) } x 4 tracks |   | 11 x (2.5 ... 6 mm <sup>2</sup> )<br>2 x (10 ... 25 mm <sup>2</sup> )<br>2 x (10 ... 35 mm <sup>2</sup> ) } x 4 tracks |  |
| Quantity x hole diameter |   |   |   |   |  |  |
|                          | 5 x Ø 5.3 mm<br>2 x Ø 7.5 mm } x 4 tracks   |   | 7 x Ø 5.3 mm<br>2 x Ø 7.5 mm<br>2 x Ø 9 mm } x 4 tracks   |   | 11 x Ø 5.3 mm<br>2 x Ø 7.5 mm<br>2 x Ø 9 mm } x 4 tracks   |  |
| Length (A)               | 65 mm   |   | 100 mm  |   | 132 mm   |  |
| Package                  | 50 pcs (single package - 1 piece)   |   | 50 pcs (single package - 1 piece)   |   | 50 pcs (single package - 1 piece)  |  |



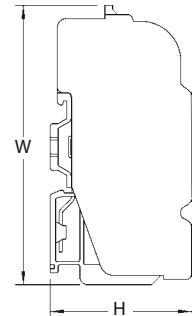
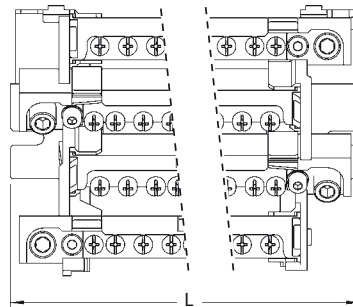
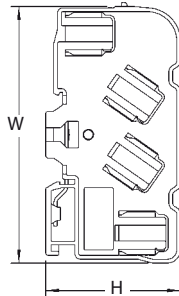
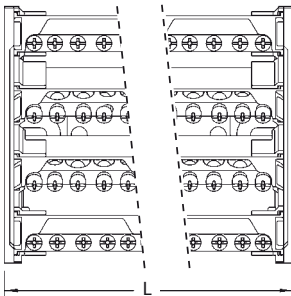
## ► MOBLOCK 4P 160A-9



## ► MOBLOCK 4P 160A-14



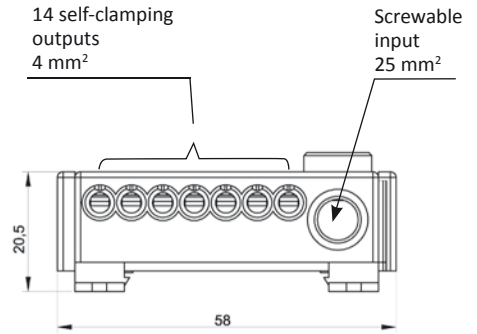
| Colour   Cat. no.                                | 1x10 ÷ 50 <sup>□</sup> , 6x1.5 ÷ 16 <sup>□</sup> / 2x10 ÷ 35 <sup>□</sup>                              | 1x10 ÷ 50 <sup>□</sup> , 9x1.5 ÷ 16 <sup>□</sup> / 4x10 ÷ 35 <sup>□</sup>                              |
|--|--|--|
|  | 82309002 (MAB4160A18)  | 82310002 (MAB4161A18)  |
| <b>Rated data</b>                                |  |  |
| <b>Rated voltage</b>                             | 500 V  | 500 V  |
| <b>Rated current</b>                             | 160 A  | 160 A  |
| <b>Cross-section</b>                             | 1 x 10 ÷ 50 mm <sup>2</sup> , 6 x 1.5 ÷ 16 mm <sup>2</sup> / 2 x 10 ÷ 35 mm <sup>2</sup><br>x 4 tracks | 1 x 10 ÷ 50 mm <sup>2</sup> , 9 x 1.5 ÷ 16 mm <sup>2</sup> / 4 x 10 ÷ 35 mm <sup>2</sup><br>x 4 tracks |
| <b>Width (W) / Wysokość (H)<br/>/ Length (L)</b> | 99 / 54 / 131 mm   | 99 / 54 / 181 mm   |
| <b>Weight</b>                                    | 574 g  | 789 g  |
| <b>Package</b>                                   | 1 piece  | 1 piece  |



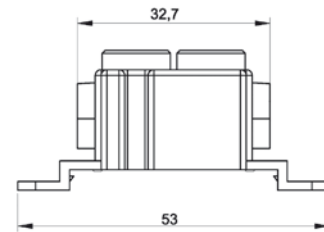
► **KS741**



| Colour   Cat. No.                  | Screwable input/<br>Self-clamping output  | 2x25 <sup>□</sup> / 14x4 <sup>□</sup> |
|------------------------------------|---|---------------------------------------|
| Grey ● 82 155 002 (KS741)          | ●   |                                       |
| Blue ● 82 156 003 (KS741N)         | ●   |                                       |
| Green ● 82 157 005 (KS741PE)       | ●   |                                       |
| Red ● 82 158 001 (KS741R)          | ●   |                                       |
| Blue-Green ● 82 159 035 (KS741NPE) | ●   |                                       |
| Red-Red ● 82 160 011 (KS741RR)     | ●   |                                       |
| Red-Blue ● 82 161 013 (KS741RN)    | ●   |                                       |
| Blue-Blue ● 82 162 033 (KS741NN)   | ●   |                                       |
| Wire type                          | Cu  |                                       |
| Rated current                      | 350 A   |                                       |
| Quantity x cross-section           | 2 x (2,5 - 25 mm <sup>2</sup> )<br>14 x (0,5 - 4 mm <sup>2</sup> )  |                                       |
| Dimensions (A/B/C)                 | 58 / 53 / 20.5  |                                       |
| Package                            | 5 pcs   |                                       |
| Notes                              | The block has a clamp with two screw inputs and 14 self-clamping outputs. The terminals of one colour work on one potential. The terminals that are in two colours consist of two separate current paths. |                                       |



KS741



KS741



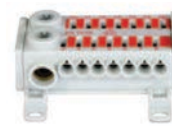
KS741 (1 line current path)



KS741N (2 lines current paths)



KS741NPE (2 lines current path)



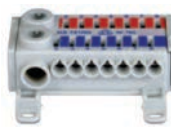
KS741RR (1 line current path)



KS741PE (1 line current path)



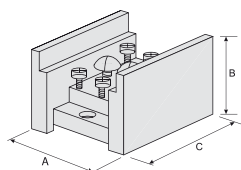
KS741R (2 lines current paths)



KS741RN (2 lines current paths)



KS741NN (1 line current path)



▶ LZ1\*25/6



▶ LZ1\*35/16 wyk.11



▶ LZ1\*35/16 wyk.12



| Colour   Cat. No.        | 25 <sup>□</sup> / 4x10 <sup>□</sup>                                 | 35 <sup>□</sup> / 4x16 <sup>□</sup>                                | 25 <sup>□</sup> / 4x16 <sup>□</sup>                                 |
|--------------------------|---|--|---|
| Grey ●                   | 84 101 002  | 84 104 002   | 84 115 002  |
| Yellow ●                 | —   | 84 104 004   | 84 115 004  |
| Insulation voltage       | 450 V   | 450 V  | 450 V   |
| Rated current            | 57 A  | 101 A  | 101 A   |
| Dimensions (A/B/C)       | 37 mm / 56 mm / 36 mm   | 42 mm / 43 mm / 50 mm  | 42 mm / 50 mm / 50 mm   |
| Quantity x cross-section |   |  |   |
| Solid                    | 1 x (6 ... 25 mm <sup>2</sup> ); 4 x (0.75 ... 10 mm <sup>2</sup> ) | 1 x (6 ... 35 mm <sup>2</sup> ); 4 x (2.5 ... 16 mm <sup>2</sup> ) | 1 x (6 ... 25 mm <sup>2</sup> ); 4 x (0.75 ... 10 mm <sup>2</sup> ) |
| Stranded                 | 1 x (6 ... 16 mm <sup>2</sup> ); 4 x (0.75 ... 6 mm <sup>2</sup> )  | 1 x (6 ... 25 mm <sup>2</sup> ); 4 x (2.5 ... 10 mm <sup>2</sup> ) | 1 x (6 ... 16 mm <sup>2</sup> ); 4 x (0.75 ... 6 mm <sup>2</sup> )  |
| Mounting                 | to the mounting plate   | to the mounting plate  | to the mounting plate   |
| Package                  | 10 pcs  | 20 pcs   | 20 pcs  |

▶ LZ1\*35/16 wyk.21



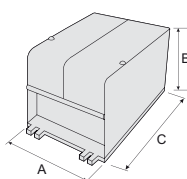
▶ LZ1\*35/16 wyk.22



▶ LZ1\*70/16



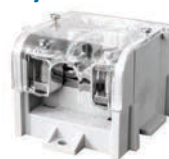
| Colour   Cat. No.        | 35 <sup>□</sup> / 4x10 <sup>□</sup>                                 | 35 <sup>□</sup> / 4x16 <sup>□</sup>                                | 70 <sup>□</sup> / 4x16 <sup>□</sup>                               |
|--------------------------|---|--|---|
| Grey ●                   | 84 049 002 ●  | 84 116 002 ●   | 84 057 002 ●  |
| Yellow ●                 | 84 049 004 ●  | 84 116 004 ●   | —   |
| Insulation voltage       | 450 V   | 450 V  | 630 V   |
| Rated current            | 101 A   | 101 A  | 172 A   |
| Dimensions (A/B/C)       | 42 mm / 66 mm / 50 mm   | 42 mm / 43 mm / 50 mm  | 52 mm / 81 mm / 56 mm   |
| Quantity x cross-section |   |  |   |
| Solid                    | 1 x (6 ... 35 mm <sup>2</sup> ); 4 x (0.75 ... 10 mm <sup>2</sup> ) | 2 x (6 ... 35 mm <sup>2</sup> ); 4 x (2.5 ... 16 mm <sup>2</sup> ) | 1 x (16 ... 70 mm <sup>2</sup> ); 4 x (6 ... 16 mm <sup>2</sup> ) |
| Stranded                 | 1 x (6 ... 25 mm <sup>2</sup> ); 4 x (0.75 ... 6 mm <sup>2</sup> )  | 2 x (6 ... 25 mm <sup>2</sup> ); 4 x (2.5 ... 10 mm <sup>2</sup> ) | 1 x (16 ... 50 mm <sup>2</sup> ); 4 x (6 ... 10 mm <sup>2</sup> ) |
| Mounting                 | on rail TS35, TS32  | on rail TS35, TS32   | to the mounting plate   |
| Package                  | 20 pcs  | 20 pcs   | 36 pcs  |



▶ LZ1\*70/16P



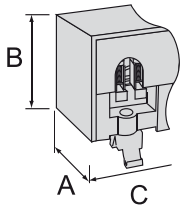
▶ LZ1\*95/35P



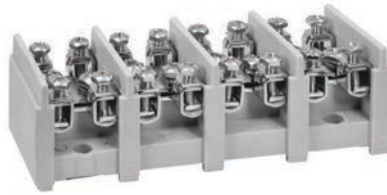
▶ LZ1\*240/35/25



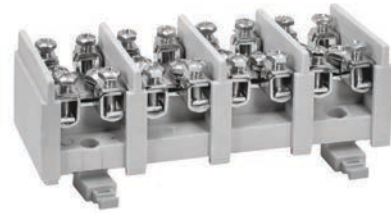
| Colour   Cat. No.        | 25 <sup>□</sup> / 4x10 <sup>□</sup>                               | 35 <sup>□</sup> / 4x16 <sup>□</sup>                               | 2x240 <sup>□</sup> , 11x35 <sup>□</sup> / 2x25 <sup>□</sup>  |
|--------------------------|---|---|--|
| Grey ●                   | 84 047 002 ●  | 84 063 002 ●  | 84 002 002 ●   |
| Blue ●                   | 84 047 003 ●  | 84 063 003 ●  | —  |
| Yellow-Green ●           | 84 047 009 ●  | 84 063 009 ●  | —  |
| Insulation voltage       | 630 V   | 630 V   | 690 V  |
| Rated voltage            | 172 A   | 232 A   | 269 A  |
| Dimensions (A/B/C)       | 52 mm / 81 mm / 58 mm   | 65 mm / 81 mm / 53 mm   | 84 mm / 80 mm / 145 mm   |
| Quantity x cross-section |   |   |  |
| Solid                    | 1 x (16 ... 70 mm <sup>2</sup> ); 4 x (6 ... 16 mm <sup>2</sup> ) | 2 x (25 ... 95 mm <sup>2</sup> ); 4 x (4 ... 35 mm <sup>2</sup> ) |  |
| Stranded                 | 1 x (16 ... 50 mm <sup>2</sup> ); 4 x (6 ... 10 mm <sup>2</sup> ) | 2 x (6 ... 95 mm <sup>2</sup> ); 4 x (4 ... 35 mm <sup>2</sup> )  |  |
| Mounting                 | to the mounting plate and on rail TS35                            | to the mounting plate and on rail TS35, with a slot for sealing   | directly to the mounting plate   |
| Package                  | 36 pcs  | 18 pcs  | 1 piece  |
| Additional information   |   |   | Input: Clamp type V: 35-240 mm <sup>2</sup> v-klemme;<br>Output: 1x16...35/2x10...25 mm <sup>2</sup> cable lug |



## ▶ LZ4\*35/16 wyk.11



## ▶ LZ4\*35/16 wyk.21



| Colour   Cat. No.               | 4x(35 <sup>□</sup> / 4x16 <sup>□</sup> )                           | 4x(35 <sup>□</sup> / 4x16 <sup>□</sup> )                           |
|---------------------------------|--|--|
| Grey ●                          | 84 172 002 ●   | 84 173 002 ●   |
| <b>Rated data</b>               |  |  |
| Rated voltage                   | 450 V  | 450 V  |
| Rated current                   | 76 A   | 76 A   |
| Dimensions (A/B/C)              | 50 mm / 43 mm / 143 mm   | 50 mm / 51 mm / 143 mm   |
| <b>Quantity x cross-section</b> |  |  |
| Solid                           | 1 x (6 ... 35 mm <sup>2</sup> ); 4 x (2,5 ... 16 mm <sup>2</sup> ) | 1 x (6 ... 35 mm <sup>2</sup> ); 4 x (2,5 ... 16 mm <sup>2</sup> ) |
| Stranded                        | 1 x (6 ... 25 mm <sup>2</sup> ); 4 x (2,5 ... 10 mm <sup>2</sup> ) | 1 x (6 ... 25 mm <sup>2</sup> ); 4 x (2,5 ... 10 mm <sup>2</sup> ) |
| Mounting                        | to the mounting plate  | on rail TS 35  |
| Package                         | 10 pcs   | 10 pcs   |

## ▶ LZ4\*25/6

(Without a cover)

## ▶ LZ4\*25/6P

(With a cover)



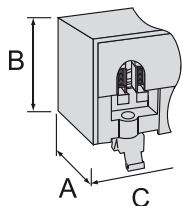
## ▶ LZ4\*70/16



| Colour   Cat. No.               | 4x(25 <sup>□</sup> / 4x16 <sup>□</sup> )                            | 4x(70 <sup>□</sup> / 4x16 <sup>□</sup> )                          |
|---------------------------------|---|---|
| Without a cover Grey ●          | 84 106 002 ●  | _____   |
| With a cover Grey ●             | 84 171 002 ●  | _____   |
| Black ●                         | _____   | 84 056 007 ●  |
| <b>Insulation voltage</b>       | 500 V   | 500 V   |
| <b>Rated current</b>            | 57 A  | 101 A   |
| Dimensions (A/B/C)              | 143 mm / 56 mm / 36 mm  | 143 mm / 56 mm / 36 mm  |
| <b>Quantity x cross-section</b> |   |   |
| Solid                           | 1 x (6 ... 25 mm <sup>2</sup> ); 4 x (0.75 ... 10 mm <sup>2</sup> ) | 1 x (16 ... 70 mm <sup>2</sup> ); 4 x (6 ... 16 mm <sup>2</sup> ) |
| Stranded                        | 1 x (6 ... 25 mm <sup>2</sup> ); 4 x (0.75 ... 10 mm <sup>2</sup> ) | 1 x (16 ... 50 mm <sup>2</sup> ); 4 x (6 ... 10 mm <sup>2</sup> ) |
| Mounting                        | to the mounting plate and on rail TS35                              | to the mounting plate and on rail TS35                            |
| Package                         | 10 pcs  | 10 pcs  |



The LZ series distribution blocks can be used for mounting the main wire through. That means the main wire can be mounted in every branching pole without cutting it under the pressing plate. For example, in LZ1\*70/16 distribution block we can mount the wire under the crease in the central part of the plate. The crease has a cross section up to 70 mm<sup>2</sup>.



▶ **LZ5\*25/10 wyk.11**  
(Without a cover)

**LZ5\*25/10 wyk.11P**  
(With a cover)

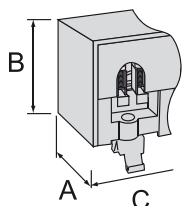


▶ **LZ5\*25/10 wyk.12**  
(Without a cover)

**LZ5\*25/10 wyk.12P**  
(With a cover)



| Colour   Cat. No.        | 5x(25 <sup>□</sup> / 4x10 <sup>□</sup> )                            |  | 5x(25 <sup>□</sup> / 4x16 <sup>□</sup> )                           |  |
|--------------------------|---|--|--|--|
| Yellow ●                 | <b>84 107 004</b> ●   |  | <b>84 084 004</b> ●  |  |
| Yellow ●                 | <b>84 061 004 (version with a slot for sealing)</b> ●               |  | <b>84 167 004 (version with a slot for sealing)</b> ●              |  |
| Insulation voltage       | 450 V   |  | 450 V  |  |
| Rated current            | 57 A  |  | 57 A   |  |
| Dimensions (A/B/C)       | 47 mm / 51 mm / 146 mm<br>47 mm / 56 mm / 146 mm (with a cover)     |  | 47 mm / 51 mm / 146 mm<br>47 mm / 56 mm / 146 mm (with a cover)    |  |
| Quantity x cross-section |   |  |  |  |
| Solid                    | 1 x (6 ... 25 mm <sup>2</sup> ); 4 x (0.75 ... 10 mm <sup>2</sup> ) |  | 1 x (6 ... 35 mm <sup>2</sup> ); 4 x (2.5 ... 16 mm <sup>2</sup> ) |  |
| Stranded                 | 1 x (6 ... 16 mm <sup>2</sup> ); 4 x (0.75 ... 6 mm <sup>2</sup> )  |  | 1 x (6 ... 25 mm <sup>2</sup> ); 4 x (2.5 ... 16 mm <sup>2</sup> ) |  |
| Mounting                 | to the mounting plate   |  | to the mounting plate  |  |
| Package                  | 32 (with a cover 20) pcs  |  | 32 (with a cover 20) pcs   |  |



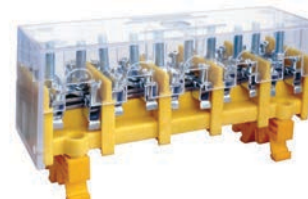
▶ **LZ5\*25/10 wyk.21**  
(Without a cover)

**LZ5\*25/10 wyk.21P**  
(With a cover)

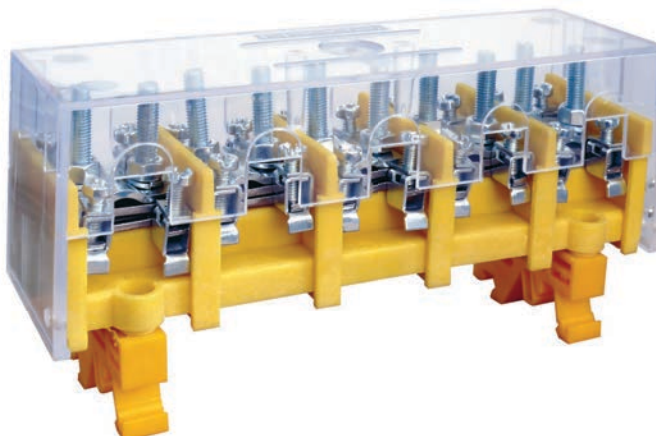


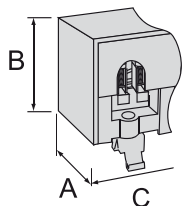
▶ **LZ5\*25/10 wyk.22**  
(Without a cover)

**LZ5\*25/10 wyk.22P**  
(With a cover)



| Colour   Cat. No.        | 5x(25 <sup>□</sup> / 4x10 <sup>□</sup> )                            |  | 5x(25 <sup>□</sup> / 4x16 <sup>□</sup> )                           |  |
|--------------------------|---|--|--|--|
| Yellow ●                 | <b>84 108 004</b> ●   |  | <b>84 050 004</b> ●  |  |
| Yellow ●                 | <b>84 062 004 (version with a slot for sealing)</b> ●               |  | <b>84 095 004 (version with a slot for sealing)</b> ●              |  |
| Insulation voltage       | 450 V   |  | 450 V  |  |
| Rated current            | 57 A  |  | 57 A   |  |
| Dimensions (A/B/C)       | 47 mm / 72 mm / 146 mm<br>47 mm / 79 mm / 146 mm (with a cover)     |  | 47 mm / 72 mm / 146 mm<br>47 mm / 79 mm / 146 mm (with a cover)    |  |
| Quantity x cross-section |   |  |  |  |
| Solid                    | 1 x (6 ... 25 mm <sup>2</sup> ); 4 x (0.75 ... 10 mm <sup>2</sup> ) |  | 1 x (6 ... 35 mm <sup>2</sup> ); 4 x (2.5 ... 16 mm <sup>2</sup> ) |  |
| Stranded                 | 1 x (6 ... 16 mm <sup>2</sup> ); 4 x (0.75 ... 6 mm <sup>2</sup> )  |  | 1 x (6 ... 25 mm <sup>2</sup> ); 4 x (2.5 ... 10 mm <sup>2</sup> ) |  |
| Mounting                 | on rail TS 35 and TS 32   |  | on rail TS 35 and TS 32  |  |
| Package                  | 24 (with a cover 14) pcs  |  | 24 (with a cover 14) pcs   |  |





▶ **LZ5\*35/16 wyk.11**  
(Without a cover)

**LZ35/16 wyk.11P**  
(With a cover)



▶ **LZ5\*35/16 wyk.12**  
(Without a cover)

**LZ35/16 wyk.12P**  
(With a cover)



| Colour   Cat. No.        | 5x(35 <sup>□</sup> / 4x16 <sup>□</sup> )                           |  | 5x(35 <sup>□</sup> / 4x16 <sup>□</sup> )                           |  |
|--------------------------|--|--|--|--|
| without cover Grey ●     | 84 025 002 ●   |  | 84 026 002 ●   |  |
| with cover Grey ●        | 84 034 002 (version with a slot for sealing) ●                     |  | 84 036 002 (version with a slot for sealing) ●                     |  |
| Insulation voltage       | 450 V  |  | 450 V  |  |
| Rated current            | 76 A   |  | 76 A   |  |
| Dimensions (A/B/C)       | 57 mm / 55 mm / 190 mm<br>57 mm / 62 mm / 190 mm (with a cover)    |  | 57 mm / 62 mm / 190 mm<br>57 mm / 64 mm / 190 mm (with a cover)    |  |
| Quantity x cross-section |  |  |  |  |
| Solid                    | 1 x (6 ... 35 mm <sup>2</sup> ); 4 x (2.5 ... 16 mm <sup>2</sup> ) |  | 2 x (6 ... 35 mm <sup>2</sup> ); 4 x (2.5 ... 16 mm <sup>2</sup> ) |  |
| Stranded                 | 1 x (6 ... 25 mm <sup>2</sup> ); 4 x (2.5 ... 10 mm <sup>2</sup> ) |  | 2 x (6 ... 25 mm <sup>2</sup> ); 4 x (2.5 ... 10 mm <sup>2</sup> ) |  |
| Mounting                 | to the mounting plate  |  | to the mounting plate  |  |
| Package                  | 6 pcs  |  | 20 (with cover 6) pcs  |  |

▶ **LZ5\*35/16 wyk.21**  
(Without a cover)

**LZ5\*35/16 wyk.21P**  
(With a cover)



▶ **LZ5\*35/16 wyk.22**  
(Without a cover)

**LZ35/16 wyk.22P**  
(With a cover)



| Colour   Cat. No.        | 5x(35 <sup>□</sup> / 4x16 <sup>□</sup> )                           |  | 5x(35 <sup>□</sup> / 4x16 <sup>□</sup> )                           |  |
|--------------------------|--|--|--|--|
| Without cover Grey ●     | 84 027 002 ●   |  | 84 028 002 ●   |  |
| With cover Grey ●        | 84 035 002 (version with a slot for sealing) ●                     |  | 84 037 002 (version with a slot for sealing) ●                     |  |
| Insulation voltage       | 450 V  |  | 450 V  |  |
| Rated current            | 76 A   |  | 76 A   |  |
| Dimensions (A/B/C)       | 57 mm / 67 mm / 190 mm<br>57 mm / 76 mm / 190 mm (with a cover)    |  | 57 mm / 72 mm / 190 mm<br>57 mm / 76 mm / 190 mm (with a cover)    |  |
| Quantity x cross-section |  |  |  |  |
| Solid                    | 1 x (6 ... 35 mm <sup>2</sup> ); 4 x (2.5 ... 16 mm <sup>2</sup> ) |  | 2 x (6 ... 35 mm <sup>2</sup> ); 4 x (2.5 ... 16 mm <sup>2</sup> ) |  |
| Stranded                 | 1 x (6 ... 25 mm <sup>2</sup> ); 4 x (2.5 ... 10 mm <sup>2</sup> ) |  | 2 x (6 ... 25 mm <sup>2</sup> ); 4 x (2.5 ... 10 mm <sup>2</sup> ) |  |
| Mounting                 | on rail TS 35 and TS 32  |  | on rail TS 35 and TS 32  |  |
| Package                  | 6 pcs  |  | 15 (with a cover 6) pcs  |  |



The LZ series distribution blocks can be used for mounting the main wire through. That means the main wire can be mounted in every branching pole without cutting it under the pressing plate

# CONNECTOR STRIPS AND TERMINAL BLOCKS



**THERMOPLASTIC  
CONNECTOR STRIPS**  
1.5 mm<sup>2</sup> - 35 mm<sup>2</sup>



**THERMOSETTING SCREW  
CONNECTOR STRIPS**  
2.5 mm<sup>2</sup> - 16 mm<sup>2</sup>



**PORCELAIN TERMINAL  
BLOCKS**  
2.5 mm<sup>2</sup> - 16 mm<sup>2</sup>



**TWISTING CONNECTORS**  
1 mm<sup>2</sup> - 6 mm<sup>2</sup>

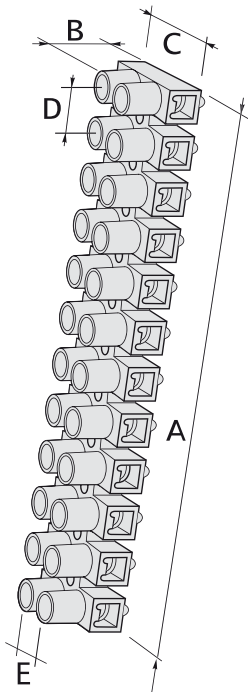


**QUICK DISCONNECT  
TERMINAL BLOCKS**  
2.5 mm<sup>2</sup>



▶ LTF12-2.5

▶ LTF12-4.0



| Colour   Cat. No.              | 2.5 <sup>□</sup>          | 4 <sup>□</sup>            |
|--------------------------------|---------------------------|---------------------------|
| Orange ●                       | 21 210 108 ●              | 21 310 108 ●              |
| Cross-section                  |                           |                           |
| Solid wire                     | 1 ... 2.5 mm <sup>2</sup> | 1.5 ... 4 mm <sup>2</sup> |
| Stranded wire                  | 1 ... 2.5 mm <sup>2</sup> | 1.5 ... 4 mm <sup>2</sup> |
| Operating temperature          | -25°C ... +55°C           | -25°C ... +55°C           |
| Body material                  | Polyethylene              | Polyethylene              |
| Rated data                     |                           |                           |
| Rated voltage                  | 450 V                     | 450 V                     |
| Rated current                  | 24 A                      | 32 A                      |
| Dimensions (A / B / C / D / E) | 94 / 13 / 16 / 8 / 6 mm   | 106 / 14 / 18 / 9 / 7 mm  |
| Insulation stripping length    | 5 mm                      | 6 mm                      |
| clamping screw                 | M 3                       | M 3                       |
| Mounting to the plate          | M 2.5x10                  | M 3x14                    |
| Weight                         | 23 g                      | 31 g                      |
| Package                        | 100 pcs                   | 100 pcs                   |

Connector strips

## ▶ LTF12-6.0



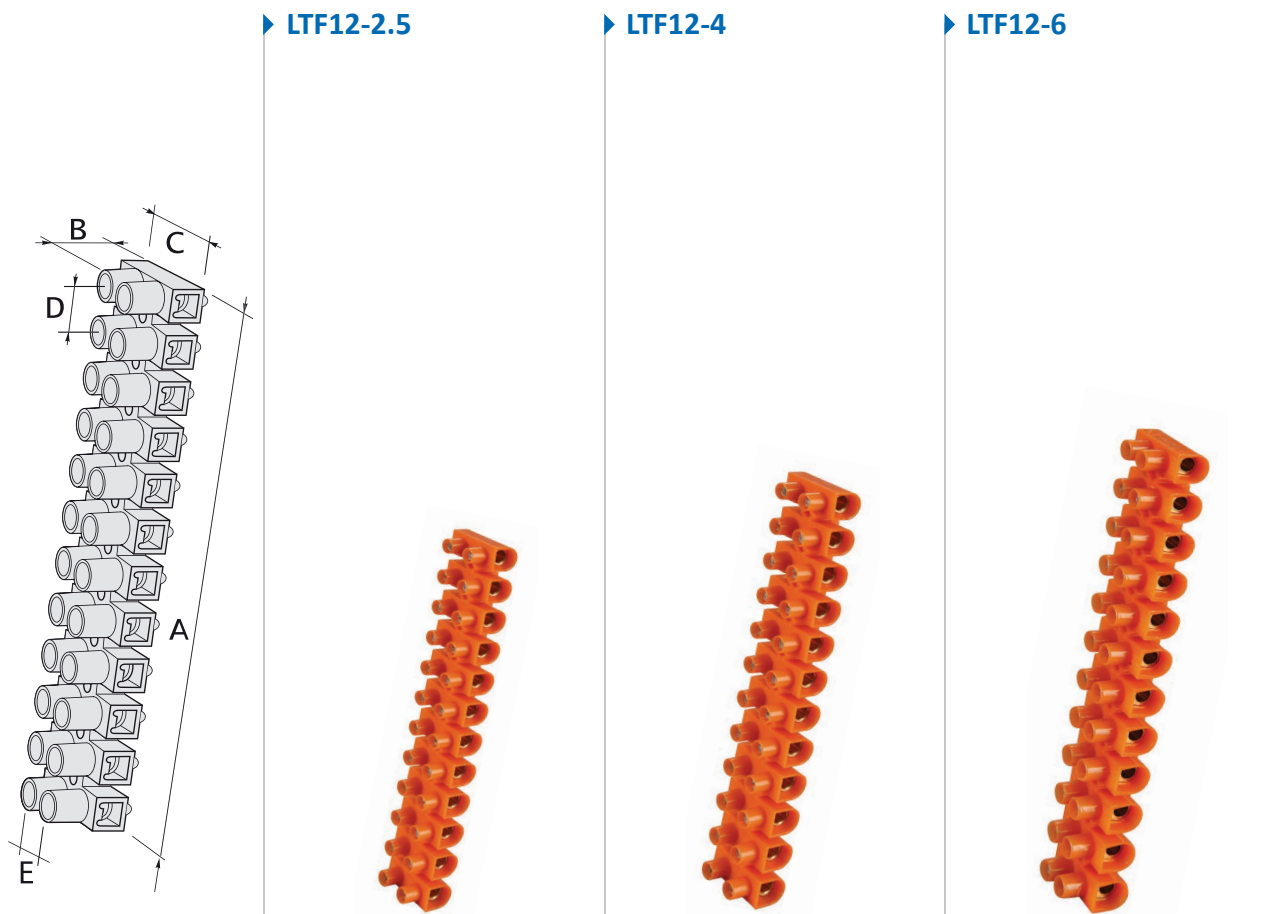
## ▶ LTF12-10.0



## ▶ LTF12-16.0



| 6 <sup>□</sup>   | 10 <sup>□</sup>                                     | 16 <sup>□</sup>                                      |
|--|---|--|
| 21 412 108 ●   | 21 512 108 ●  | 21 612 108 ●   |
| 2.5 ... 6 mm <sup>2</sup><br>2.5 ... 4 mm <sup>2</sup> | 4 ... 10 mm <sup>2</sup><br>4 ... 6 mm <sup>2</sup> | 6 ... 16 mm <sup>2</sup><br>6 ... 10 mm <sup>2</sup> |
| -25°C ... +55°C  | -25°C ... +55°C                                     | -25°C ... +55°C                                      |
| Polyethylene   | Polyethylene  | Polyethylene   |
| 450 V<br>41 A  | 750 V<br>57 A                                       | 750 V<br>76 A  |
| 118 / 15 / 19 / 9 / 7 mm                               | 141 / 20 / 25 / 12 / 9 mm                           | 153 / 22 / 27 / 13 / 10 mm                           |
| 6 mm   | 8 mm  | 8.5 mm   |
| M 3  | M 4   | M 5  |
| M 3x14   | M 4x18  | M 4x18   |
| 33 g   | 69 g  | 95 g   |
| 100 pcs  | 25 pcs  | 50 pcs   |



| Colour   Cat. No.              | 2.5 <sup>□</sup>            | 4 <sup>□</sup>              | 6 <sup>□</sup>              |
|--------------------------------|-----------------------------|-----------------------------|-----------------------------|
| Orange ●                       | 21 210 008 ●                | 21 310 008 ●                | 21 412 008 ●                |
| Cross-section                  |                             |                             |                             |
| Solid wire                     | 1 ... 2.5 mm <sup>2</sup>   | 1.5 ... 4 mm <sup>2</sup>   | 2.5 ... 6 mm <sup>2</sup>   |
| Stranded wire                  | 1 ... 2.5 mm <sup>2</sup>   | 1.5 ... 4 mm <sup>2</sup>   | 2.5 ... 4 mm <sup>2</sup>   |
| Operating temperature          | -40°C ... +85°C             | -40°C ... +85°C             | -40°C ... +85°C             |
| Body material                  | Non-flammable polypropylene | Non-flammable polypropylene | Non-flammable polypropylene |
| Rated data                     |                             |                             |                             |
| Rated voltage                  | 450 V                       | 450 V                       | 450 V                       |
| Rated current                  | 24 A                        | 32 A                        | 41 A                        |
| Dimensions (A / B / C / D / E) | 94 / 13 / 16 / 8 / 6 mm     | 106 / 14 / 18 / 9 / 7 mm    | 118 / 15 / 19 / 9 / 7 mm    |
| Insulation stripping length    | 5 mm                        | 6 mm                        | 6 mm                        |
| Clamping screw                 | M 3                         | M 3                         | M 3                         |
| Mounting to the plate          | M 2.5x10                    | M 3x14                      | M 3x14                      |
| Weight                         | 23 g                        | 31 g                        | 33 g                        |
| Package                        | 100 pcs                     | 100 pcs                     | 100 pcs                     |

## ▶ LTF12-10



## ▶ LTF12-16



## ▶ LTF12-25

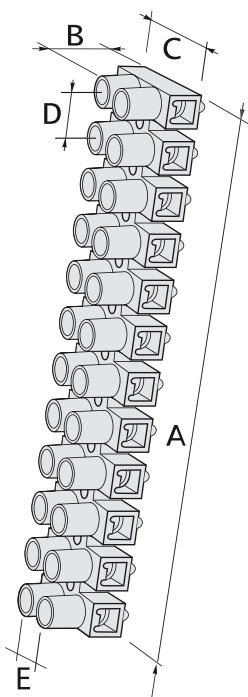


| 10 <sup>□</sup>                                     | 16 <sup>□</sup>                                      | 25 <sup>□</sup>  |
|---|--|--|
| 21 512 008 ●  | 21 612 008 ●   | 21 712 008 ●   |
| 4 ... 10 mm <sup>2</sup><br>4 ... 6 mm <sup>2</sup> | 6 ... 16 mm <sup>2</sup><br>6 ... 10 mm <sup>2</sup> | 10 ... 25 mm <sup>2</sup><br>10 ... 16 mm <sup>2</sup> |
| -40°C ... +85°C                                     | -40°C ... +85°C                                      | -40°C ... +85°C  |
| Non-flammable polypropylene                         | Non-flammable polypropylene                          | Non-flammable polypropylene                            |
| 750 V<br>57 A                                       | 750 V<br>76 A  | 750 V<br>81 A  |
| 141 / 20 / 25 / 12 / 9 mm                           | 153 / 22 / 27 / 13 / 10 mm                           | 212 / 25 / 33 / 18 / 16 mm                             |
| 8 mm  | 8.5 mm   | 12 mm  |
| M 4   | M 5  | M 5  |
| M 4x18  | M 4x18   | M 4x22   |
| 69 g  | 95 g   | 167 g  |
| 25 pcs  | 25 pcs   | 20 pcs   |

▶ LTA12-2.5

▶ LTA12-4.0

▶ LTA12-6.0



| Colour   Cat. No.                     | 2.5 <sup>□</sup>           | 4 <sup>□</sup>             | 6 <sup>□</sup>                |
|---------------------------------------|----------------------------|----------------------------|-------------------------------|
| White ○                               | 22 210 216 ○               | 22 310 216 ○               | 22 412 216 ○                  |
| Black ●                               | 22 210 217 ●               | 22 310 217 ●               | 22 412 217 ●                  |
| <b>Cross-section</b>                  |                            |                            |                               |
| Solid wire                            | 2.5 mm <sup>2</sup>        | 4 mm <sup>2</sup>          | 6 mm <sup>2</sup>             |
| Stranded wire                         | 2.5 mm <sup>2</sup>        | 2.5 mm <sup>2</sup>        | 4 mm <sup>2</sup>             |
| <b>Operating temperature</b>          | -25°C ... +85°C            | -25°C ... +85°C            | -25°C ... +85°C               |
| <b>Body material</b>                  | Halogen-free polyamide PA6 | Halogen-free polyamide PA6 | Halogen-free polyamide PA6    |
| <b>Rated data</b>                     |                            |                            |                               |
| Rated voltage                         | 400 V                      | 400 V                      | 400 V                         |
| Rated current                         | 24 A                       | 32 A                       | 41 A                          |
| <b>Dimensions (A / B / C / D / E)</b> | 90 / 13.4 / 16 / 8 / 6 mm  | 106 / 16.8 / 18 / 9 / 7 mm | 117.7 / 17.2 / 19 / 10 / 7 mm |
| <b>Insulation stripping length</b>    | 5 mm                       | 6 mm                       | 6 mm                          |
| <b>Clamping screw</b>                 | M 3                        | M 3                        | M 3                           |
| <b>Mounting to the plate</b>          | M 2.5x10                   | M 3x14                     | M 3x14                        |
| <b>Weight</b>                         | 22.7 g                     | 32.4 g                     | 39.9 g                        |
| <b>Package</b>                        | 100 pcs                    | 100 pcs                    | 100 pcs                       |
| <b>Clamp</b>                          | Galvanized brass           | Galvanized brass           | Galvanized brass              |

## ▶ LTA12-10.0



## ▶ LTA12-16.0



## ▶ ES-V25



## ▶ EKL5E

10<sup>□</sup>16<sup>□</sup>25<sup>□</sup>35<sup>□</sup>

22 512 216 ○



22 612 216 ○



89 010 216 ○



22 512 217 ●



22 612 217 ●



89 011 217 ●



89 150 007 ●

10 mm<sup>2</sup>  
6 mm<sup>2</sup>16 mm<sup>2</sup>  
10 mm<sup>2</sup>25 mm<sup>2</sup>  
16 mm<sup>2</sup>35 mm<sup>2</sup>  
35 mm<sup>2</sup>

-25°C ... +85°C

-25°C ... +85°C

-25°C ... +110°C

-25°C ... +110°C

Halogen-free polyamide PA6

Halogen-free polyamide PA6

Halogen-free polyamide PA6

Halogen-free polyamide PA6

400 V  
57 A400 V  
76 A500 V  
101 A

750 V

141 / 21 / 21 / 12 / 10 mm

153 / 22 / 22 / 13 / 10 mm

201 / 26 / 36 / 17 / 13 mm

212 / 29 / 36 / 18 / 15 mm

8 mm

8.5 mm

12 mm

12 mm

M 4

M 5

M 5

M 5

M 3x14

M 4x18

M 4x18

M 4

66.6 g

94.1 g

217.3 g

208 g

100 pcs

50 pcs

10 pcs

10 pcs

Galvanized brass

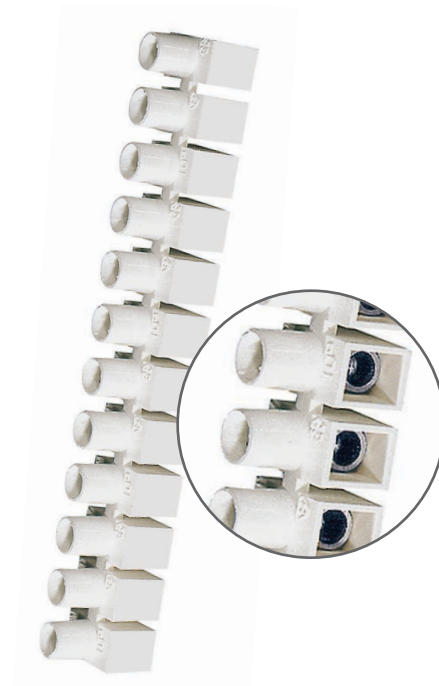
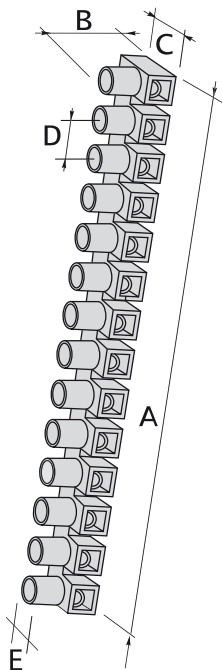
Galvanized brass

Galvanized brass

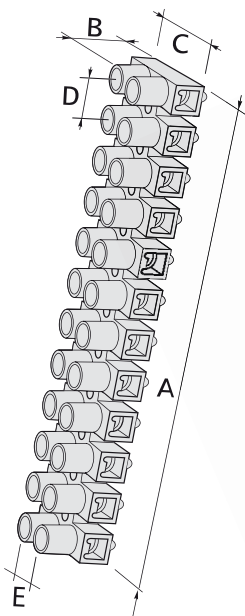
Brass

▶ LTA12-4.0A

▶ LTA12-4.0B



| Colour   Cat. No.              | A pass-through 2x4 <sup>□</sup>             | One side closed 2x4 <sup>□</sup>             |
|--------------------------------|---|--|
| White ○                        | 22 522 216 ○                                | 22 316 216 ○                                 |
| Standard                       | PN-EN 60 998-1                              | PN-EN 60 998-1                               |
| Certificate                    | CE  | CE   |
| Cross-section                  |   |  |
| Solid wire                     | 2x4 mm <sup>2</sup>                         | 2x4 mm <sup>2</sup>                          |
| Stranded wire                  | 2x4 mm <sup>2</sup>                         | 2x4 mm <sup>2</sup>                          |
| Operating temperature          | -25°C ... +85°C                             | -25°C ... +85°C                              |
| Body material                  | Non-flammable polyamide PA6                 | Non-flammable polyamide PA6                  |
| Rated data                     |   |  |
| Rated voltage                  | 400 V                                       | 400 V  |
| Rated current                  | 57 A  | 57 A   |
| Dimensions (A / B / C / D / E) | 118 / 18 / 14.5 / 10 / – mm                 | 118 / 18 / 14.5 / 10 / – mm                  |
| Insulation stripping length    | 6 mm  | 6 mm   |
| Clamping screw                 | M 4   | M 4  |
| Mounting to the plate          |   |  |
| Weight                         | 37.7 g                                      | 43.0 g                                       |
| Package                        | 100 pcs                                     | 100 pcs                                      |
| Clamp                          | Galvanized brass                            | Galvanized brass                             |
| Additional information         | A pass-through with 1 screw on current path | One side closed with 1 screw on current path |



▶ LPA12-1.5



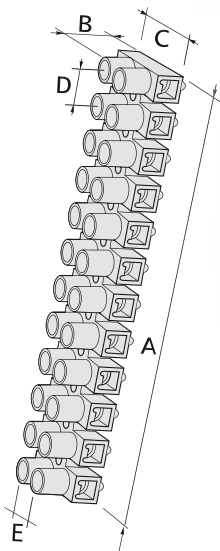
▶ LPA12-2.5



| Colour   Cat. No.              | 1.5 <sup>□</sup>                               | 2.5 <sup>□</sup>                               |
|--------------------------------|--|--|
| Transparent ○                  | 89 091 110 ○                                   | 89 092 110 ○                                   |
| Cross-section                  |  |  |
| Solid wire                     | 1.5 mm <sup>2</sup>                            | 2.5 mm <sup>2</sup>                            |
| Stranded wire                  | 1.5 mm <sup>2</sup>                            | 2.5 mm <sup>2</sup>                            |
| Rated data                     |  |  |
| Rated voltage                  | 450 V  | 450 V  |
| Rated current                  | 17.5 A   | 24 A   |
| Operating temperature          | -25°C ... +125°C                               | -25°C ... +125°C                               |
| Body material                  | Non-flammable polyamide PA66                   | Non-flammable polyamide PA66                   |
| Dimensions (A / B / C / D / E) | 96.2 / 14.5 / 17 / 8 / – mm                    | 117.5 / 17 / 20.2 / 10 / – mm                  |
| Insulation stripping length    | 5 mm   | 6 mm   |
| Weight                         | 25 g   | 36.4 g   |
| Package                        | 50 pcs   | 50 pcs   |
| Additional information         | With a stainless steel pad for wire protection | With a stainless steel pad for wire protection |



More information | page 12



▶ LPP12-4.0



▶ LPA12-6.0



▶ LPA12-10.0



| Colour   Cat. No.              | 4 <sup>□</sup>                                 | 6 <sup>□</sup>                                 | 10 <sup>□</sup>                                |
|--------------------------------|--|--|--|
| Transparent ○                  | 89 089 110 ○                                   | 89 093 110 ○                                   | 89 094 110 ○                                   |
| Cross-section                  |  |  |  |
| Solid wire                     | 4 mm <sup>2</sup>                              | 6 mm <sup>2</sup>                              | 10 mm <sup>2</sup>                             |
| Stranded wire                  | 4 mm <sup>2</sup>                              | 6 mm <sup>2</sup>                              | 10 mm <sup>2</sup>                             |
| Rated data                     |  |  |  |
| Rated voltage                  | 500 V  | 500 V  | 500 V  |
| Rated current                  | 32 A   | 41 A   | 57 A   |
| Operating temperature          | -25°C ... +110°C                               | -25°C ... +110°C                               | -25°C ... +110°C                               |
| Body material                  | Non-flammable polyamide PA66                   | Non-flammable polyamide PA66                   | Non-flammable polyamide PA66                   |
| Dimensions (A / B / C / D / E) | 119 / 18 / 21 / 10 / – mm                      | 140.7 / 19 / 23.8 / 12 / – mm                  | 158 / 25.2 / 25.6 / 13.5 / – mm                |
| Insulation stripping length    | 7 mm   | 7 mm   | 9 mm   |
| Weight                         | 48 g   | 54.8 g   | 90.4 g   |
| Package                        | 50 pcs   | 40 pcs   | 25 pcs   |
| Additional information         | With a stainless steel pad for wire protection | With a stainless steel pad for wire protection | With a stainless steel pad for wire protection |

▶ LTV12-2.5



▶ LTV12-4.0

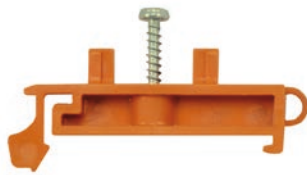


▶ LTV12-6.0

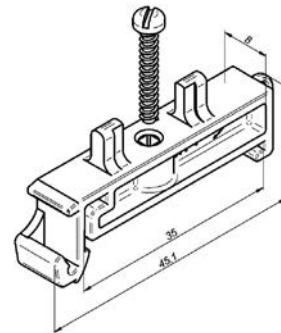


| Colour   Cat. No.                       | 2.5 <sup>□</sup>                               | 4 <sup>□</sup>                                 | 6 <sup>□</sup>                                 |
|---|--|--|--|
| White ○                                 | 23 220 310 ○                                   | 23 320 310 ○                                   | 23 432 310 ○                                   |
| Standard                                | PN-EN 60 998-1                                 | PN-EN 60 998-1                                 | PN-EN 60 998-1                                 |
| Certificate                             | CE   | CE   | CE   |
| Cross-section                           |  |  |  |
| Solid wire                              | 2.5 mm <sup>2</sup>                            | 4 mm <sup>2</sup>                              | 6 mm <sup>2</sup>                              |
| Stranded wire                           | 2.5 mm <sup>2</sup>                            | 2.5 mm <sup>2</sup>                            | 4 mm <sup>2</sup>                              |
| Rated data                              |  |  |  |
| Rated voltage<br>(max. impulse voltage) | 750 V / 6 kV                                   | 750 V / 6 kV                                   | 750 V / 8 kV                                   |
| Rated current                           | 24 A   | 32 A   | 41 A   |
| Operating temperature                   | -25°C ... +125°C                               | -25°C ... +125°C                               | -25°C ... +125°C                               |
| Body material                           | Halogen-free self-extinguishing polyamide PA66 | Halogen-free self-extinguishing polyamide PA66 | Halogen-free self-extinguishing polyamide PA66 |
| Dimensions<br>(A / B / C / D / E)       | 105 / 15.5 / 20 / 9 / 8 mm                     | 117 / 17 / 21 / 10 / 8 mm                      | 117.5 / 22 / 17.5 / 10 / 8 mm                  |
| Insulation stripping length             | 6 mm   | 7 mm   | 7 mm   |
| Clamping screw                          | M 3  | M 3  | M 3  |
| Mounting to the plate                   | M 3x12   | M 3x12   | M 3x12   |
| Weight                                  | 25.9 g   | 37.7 g   | 46.1 g   |
| Package                                 | 90 pcs   | 80 pcs   | 80 pcs   |
| Clamp                                   | Galvanized brass                               | Galvanized brass                               | Galvanized brass                               |

▶ LTT1



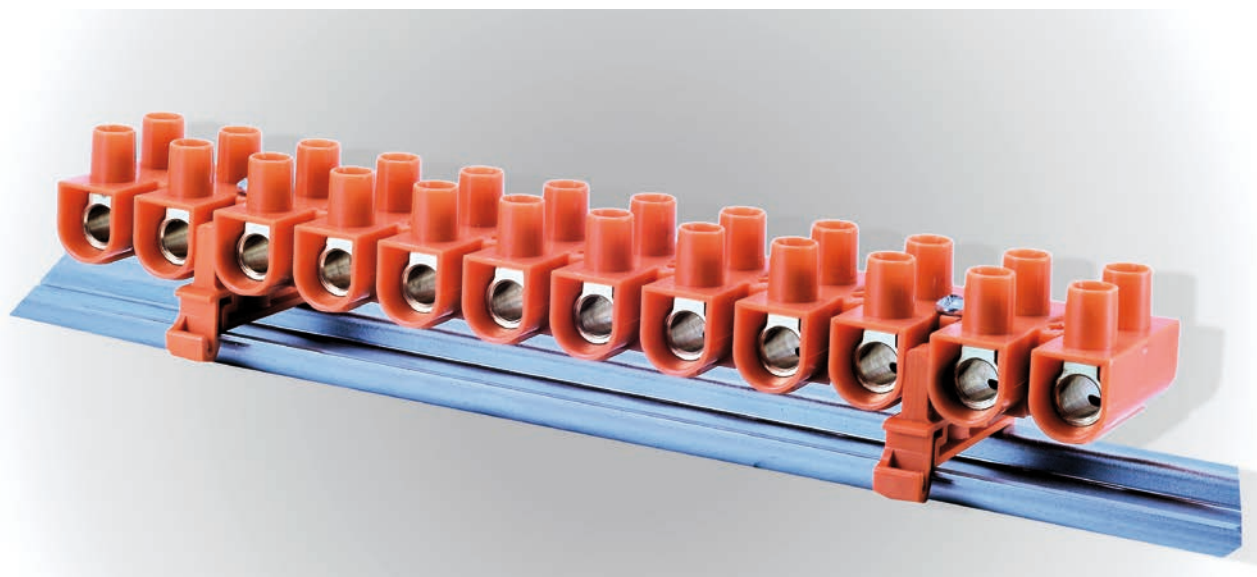
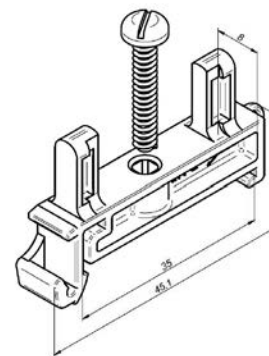
|                          |  |
|--------------------------|--|
| <b>Colour   Cat. No.</b> |  |
| Orange ●                 | <b>26 210 008</b> ●  |
| Package                  | 10 pcs   |
| For use with             | Holder allows mounting of connector strips from extra orange series: LTF12-2.5, LTF12-4, LTF12-6 on TS35 rail. |



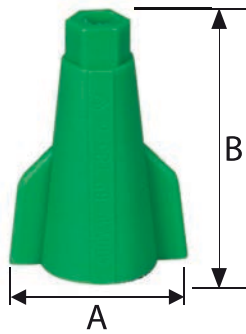
▶ LTT2



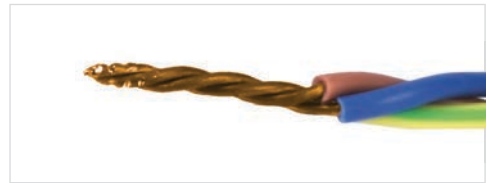
|                          |   |
|--------------------------|---|
| <b>Colour   Cat. No.</b> |   |
| Orange ●                 | <b>26 512 008</b> ●   |
| Package                  | 10 pcs  |
| For use with             | Holder allows mounting of connector strips from extra orange series: LTF12-10, LTF12-16, LTF12-25 on TS35 rail. |



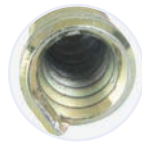
## ▶ ZSE1-1.0/6.0



| Colour   Cat. No.               |   |
|---------------------------------|---|
| Yellow ● 43 814 204 ●           |   |
| Green ● 43 814 205 ●            |   |
| Blue ● 43 814 203 ●             |   |
| Red ● 43 814 201 ●              |   |
| Black ● 43 814 207 ●            |   |
| Standard                        | EN 60998-2-4  |
| Certificate                     | CE  |
| Quantity of paths               | 1   |
| Operating temperature           | -25°C ... +125°C  |
| Cross-section                   | 1 ... 6 mm <sup>2</sup>   |
| Rated data                      |   |
| Rated voltage                   | 400 V   |
| Rated current                   | 41 A  |
| Dimensions (A/B)                | 19 / 27 mm  |
| Insulation stripping length     | 5 mm  |
| Weight                          | 12 g  |
| Package                         | 100 pcs   |
| Max. number of wires in a clamp | dla 1 mm <sup>2</sup> - 2 ... 8 wires<br>dla 1.5 mm <sup>2</sup> - 2 ... 6 wires<br>dla 2.5 mm <sup>2</sup> - 2 ... 5 wires<br>dla 4 mm <sup>2</sup> - 2 ... 3 wires<br>dla 6 mm <sup>2</sup> - 2 wires   |
| For use with                    | Twisting connectors can connect conductors of a wide range of cross sections, from 1 mm <sup>2</sup> to 6 mm <sup>2</sup> . A new feature of these connectors is a clamp with a square cross section. Conductors can be threaded in it, what makes the connection more durable. This type of connectors is recommended for single-wire conductors, but it is also possible to use it with multi-wire conductors. However, the holding force is much weaker then. A large contact surface and a strong clamping force give good quality of such a connection. The body of our twisting connectors is made of polyamide PA66. |



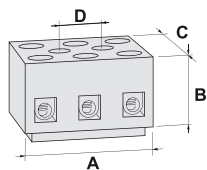
Just put the stripped ends of the wires and twist them. The clamp will thread the surface of the wires slightly and twist them tightly.



A solid connector with a square shape



A view of the clamp in a twisting connector



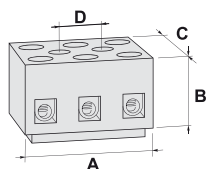
▶ ZPA1-2.5



▶ ZPA2-2.5



| Colour   Cat. No.                  | 2.5 <sup>□</sup>         | 2x2.5 <sup>□</sup>       |
|------------------------------------|--------------------------|--------------------------|
| White ○                            | 44 231 516 ○             | 44 232 516 ○             |
| Standard                           | EN 60998-1               | PN-EN 60998-1            |
| Certificate                        | CE                       | CE                       |
| Body                               | Porcelain, glazed        | Porcelain, glazed        |
| Quantity of paths<br>Cross-section | 1<br>2.5 mm <sup>2</sup> | 2<br>2.5 mm <sup>2</sup> |
| Rated data                         |                          |                          |
| Rated voltage<br>Rated current     | 500 V<br>24 A            | 500 V<br>24 A            |
| Operating temperature              | -40°C ... +230°C         | -40°C ... +230°C         |
| Dimensions<br>(A / B / C)          | 11 mm / 19 mm / 25 mm    | 19 mm / 18 mm / 26 mm    |
| Clamping screw                     | M 3.5                    | M 3.5                    |
| Insulation stripping length        | 5 mm                     | 5 mm                     |
| Weight                             | 11 g                     | 17 g                     |
| Package                            | 50 pcs                   | 50 pcs                   |



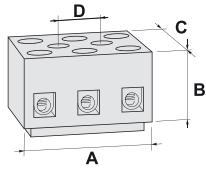
▶ ZPA2-2.5A



▶ ZPA3-2.5



| Colour   Cat. No.                  | 2x2.5 <sup>□</sup>              | 2x2.5 <sup>□</sup>           |
|------------------------------------|---------------------------------|------------------------------|
| White ○                            | 44 242 516 ○                    | 44 233 516 ○                 |
| Standard                           | PN-EN 60998-1                   | PN-EN 60998-1                |
| Certificate                        | CE                              | CE                           |
| Body                               | Porcelain, glazed               | Porcelain, glazed            |
| Quantity of paths<br>Cross-section | 2<br>2.5 mm <sup>2</sup>        | 3<br>2.5 mm <sup>2</sup>     |
| Rated data                         |                                 |                              |
| Rated voltage<br>Rated current     | 500 V<br>24 A                   | 500 V<br>24 A                |
| Operating temperature              | -40°C ... +230°C                | -40°C ... +230°C             |
| Dimensions<br>(A / B / C / D)      | 24 mm / 19 mm / 26 mm / 14.5 mm | 26 mm / 19 mm / 25 mm / - mm |
| Clamping screw                     | M 3.5                           | M 3.5                        |
| Insulation stripping length        | 5 mm                            | 5 mm                         |
| Weight                             | 22 g                            | 26 g                         |
| Package                            | 50 pcs                          | 50 pcs                       |
| Additional information             | With mounting slots             |                              |



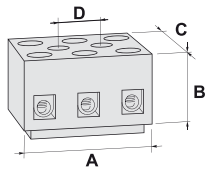
▶ ZPA3-2.5A



▶ ZPA2-6A



| Colour   Cat. No.                  | 3x2.5 <sup>□</sup>            | 2x6 <sup>□</sup>              |
|------------------------------------|-------------------------------|-------------------------------|
| White ○                            | 44 243 516 ○                  | 44 442 516 ○                  |
| Standard                           | PN-EN 60998-1                 | EN 60998-1                    |
| Certificate                        | CE                            | CE                            |
| Body                               | Porcelain, glazed             | Porcelain, glazed             |
| Quantity of paths<br>Cross-section | 3<br>2.5 mm <sup>2</sup>      | 2<br>6 mm <sup>2</sup>        |
| Rated data                         |                               |                               |
| Rated voltage<br>Rated current     | 500 V<br>24 A                 | 500 V<br>41 A                 |
| Operating temperature              | -40°C ... +230°C              | -40°C ... +230°C              |
| Dimensions<br>(A / B / C / D)      | 37 mm / 19 mm / 25 mm / 13 mm | 26 mm / 19 mm / 24 mm / 12 mm |
| Clamping screw                     | M 3.5                         | M 3.5                         |
| Insulation stripping length        | 5 mm                          | 6 mm                          |
| Weight                             | 35 g                          | 29 g                          |
| Package                            | 50 pcs                        | 50 pcs                        |
| Additional information             | With mounting slots           | With mounting slots           |



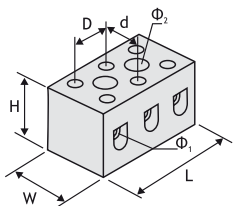
▶ ZPA3-6A



▶ ZPA2-10



| Colour   Cat. No.                  | 3x6 <sup>□</sup>       | 2x10 <sup>□</sup>       |
|------------------------------------|------------------------|-------------------------|
| White ○                            | 44 443 516 ○           | 44 532 516 ○            |
| Standard                           | EN 60998-1             | EN 60998-1              |
| Certificate                        | CE                     | CE                      |
| Body                               | Porcelain, glazed      | Porcelain, glazed       |
| Quantity of paths<br>Cross-section | 3<br>6 mm <sup>2</sup> | 2<br>10 mm <sup>2</sup> |
| Rated data                         |                        |                         |
| Rated voltage<br>Rated current     | 500 V<br>41 A          | 500 V<br>57 A           |
| Operating temperature              | -40°C ... +230°C       | -40°C ... +230°C        |
| Dimensions<br>(A / B / C / D)      | 40 / 19 / 25 / 15 mm   | 28 / 20 / 28 / - mm     |
| Clamping screw                     | M 3.5                  | M 4                     |
| Insulation stripping length        | 6 mm                   | 8 mm                    |
| Weight                             | 41 g                   | 45 g                    |
| Package                            | 50 pcs                 | 30 pcs                  |
| Additional information             | With mounting slots    | With mounting slots     |



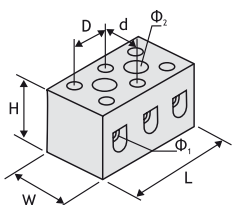
► CPO-5A-1P



► CPO-5A-2P



| Colour   Cat. No.                  | 4 <sup>□</sup>                    | 2x4 <sup>□</sup>                     |
|------------------------------------|-----------------------------------|--------------------------------------|
| White <input type="radio"/>        | 80 711 516 <input type="radio"/>  | 80 712 516 <input type="radio"/>     |
| Certificate                        | CE                                | CE                                   |
| Body                               | porcelain, matt                   | porcelain, matt                      |
| Quantity of paths<br>Cross-section | 1<br>4 mm <sup>2</sup>            | 2<br>4 mm <sup>2</sup>               |
| Rated data                         |                                   |                                      |
| Rated voltage<br>Rated current     | 450 V<br>5~32 A                   | 450 V<br>5~32 A                      |
| Operating temperature              | -40°C ... +350°C                  | -40°C ... +350°C                     |
| Dimensions                         |                                   |                                      |
| W / L / Ø1 / Ø2 / D / d / H        | 13 / 12 / 3.2 / - / - / 8 / 16 mm | 18 / 21 / 3.2 / 4.5 / 12 / 8 / 16 mm |
| Clamping screw                     | M 3.5                             | M 3.5                                |
| Insulation stripping length        | 5 mm                              | 5 mm                                 |
| Weight                             | 9 g                               | 14 g                                 |
| Package                            | 50 pcs                            | 25 pcs                               |
| Additional information             |                                   | With mounting slot                   |



► CPO-5A-3P



► CPO-15A-1P



| Colour   Cat. No.                  | 3x4 <sup>□</sup>                     | 10 <sup>□</sup>                    |
|------------------------------------|--------------------------------------|------------------------------------|
| White <input type="radio"/>        | 80 713 516 <input type="radio"/>     | 80 721 516 <input type="radio"/>   |
| Certificate                        | CE                                   | CE                                 |
| Body                               | porcelain, matt                      | porcelain, matt                    |
| Quantity of paths<br>Cross-section | 3<br>4 mm <sup>2</sup>               | 1<br>10 mm <sup>2</sup>            |
| Rated data                         |                                      |                                    |
| Rated voltage<br>Rated current     | 450 V<br>5~32 A                      | 450 V<br>15~57 A                   |
| Operating temperature              | -40°C ... +350°C                     | -40°C ... +350°C                   |
| Dimensions                         |                                      |                                    |
| W / L / Ø1 / Ø2 / D / d / H        | 18 / 33 / 3.2 / 4.5 / 12 / 8 / 16 mm | 21 / 13 / 4.3 / - / - / 10 / 20 mm |
| Clamping screw                     | M 3.5                                | M 3.5                              |
| Insulation stripping length        | 5 mm                                 | 5 mm                               |
| Weight                             | 23 g                                 | 13 g                               |
| Package                            | 20 pcs                               | 10 pcs                             |
| Additional information             | With mounting slots                  |                                    |

▶ CPO-15A-2P



▶ CPO-15A-3P



| Colour   Cat. No.                  | 2x10 <sup>□</sup>                     | 3x10 <sup>□</sup>                     |
|------------------------------------|---------------------------------------|---------------------------------------|
| White ○                            | 80 722 516 ○                          | 80 723 516 ○                          |
| Certificate                        | CE                                    | CE                                    |
| Body                               | porcelain, matt                       | porcelain, matt                       |
| Quantity of paths<br>Cross-section | 2<br>10 mm <sup>2</sup>               | 3<br>10 mm <sup>2</sup>               |
| Rated data                         |                                       |                                       |
| Rated voltage<br>Rated current     | 450 V<br>15~57 A                      | 450 V<br>15~57 A                      |
| Operating temperature              | -40°C ... +350°C                      | -40°C ... +350°C                      |
| Dimensions                         |                                       |                                       |
| W / L / ø1 / ø2 / D / d / H        | 21 / 24 / 4.3 / 4.8 / 14 / 10 / 20 mm | 21 / 36 / 4.3 / 4.8 / 14 / 10 / 20 mm |
| Clamping screw                     | M 3.5                                 | M 3.5                                 |
| Insulation stripping length        | 5 mm                                  | 5 mm                                  |
| Weight                             | 27 g                                  | 36 g                                  |
| Package                            | 20 pcs                                | 10 pcs                                |
| Additional information             | With mounting slot                    | With mounting slot                    |

▶ CPO-30A-1P



▶ CPO-30A-2P

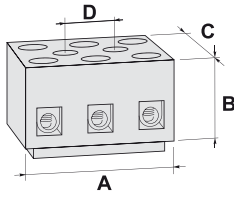


▶ CPO-30A-3P



| Colour   Cat. No.                  | 16 <sup>□</sup>                    | 2x16 <sup>□</sup>                     | 3x16 <sup>□</sup>                     |
|------------------------------------|------------------------------------|---------------------------------------|---------------------------------------|
| White ○                            | 80 731 516 ○                       | 80 732 516 ○                          | 80 733 516 ○                          |
| Certificate                        | CE                                 | CE                                    |                                       |
| Body                               | porcelain, matt                    | porcelain, matt                       | porcelain, matt                       |
| Quantity of paths<br>Cross-section | 1<br>16 mm <sup>2</sup>            | 2<br>16 mm <sup>2</sup>               | 3<br>16 mm <sup>2</sup>               |
| Rated data                         |                                    |                                       |                                       |
| Rated voltage<br>Rated current     | 450 V<br>30~76 A                   | 450 V<br>30~76 A                      | 450 V<br>30~76 A                      |
| Operating temperature              | -40°C ... +350°C                   | -40°C ... +350°C                      | -40°C ... +350°C                      |
| Dimensions                         |                                    |                                       |                                       |
| W / L / ø1 / ø2 / D / d / H        | 27 / 15 / 6.1 / - / - / 12 / 22 mm | 27 / 31 / 6.1 / 5.0 / 17 / 12 / 22 mm | 27 / 48 / 6.1 / 5.0 / 17 / 12 / 22 mm |
| Clamping screw                     | M 3.5                              | M 3.5                                 | M 4                                   |
| Insulation stripping length        | 6 mm                               | 6 mm                                  | 8 mm                                  |
| Weight                             | 23 g                               | 43 g                                  | 69 g                                  |
| Package                            | 20 pcs                             | 10 pcs                                | 10 pcs                                |
| Additional information             |                                    | With mounting slot                    | With mounting slot                    |





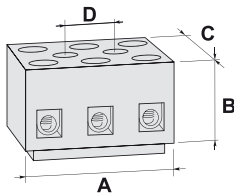
▶ LTE2-2.5



▶ LTE3-2.5



| Colour   Cat. No.                  | 2x2.5 <sup>□</sup>       | 3x2.5 <sup>□</sup>       |
|------------------------------------|--------------------------|--------------------------|
| White ○                            | 25 212 406 ○             | 25 213 406 ○             |
| Standard                           | PN-EN 60998-1            | PN-EN 60998-1            |
| Certificate                        | CE                       | CE                       |
| Body                               | polomel, matt            | polomel, matt            |
| Quantity of paths<br>Cross-section | 2<br>2.5 mm <sup>2</sup> | 3<br>2.5 mm <sup>2</sup> |
| Rated data                         |                          |                          |
| Rated voltage<br>Rated current     | 250 V<br>24 A            | 250 V<br>24 A            |
| Operating temperature              | -40°C ... +120°C         | -40°C ... +120°C         |
| Dimensions<br>(A / B / C)          | 15 mm / 17 mm / 21 mm    | 22 mm / 17 mm / 21 mm    |
| Mounting to the plate              |                          |                          |
| Weight                             | 8.8 g                    | 12.6 g                   |
| Package                            | 50 pcs                   | 50 pcs                   |



▶ LTE2-4.0



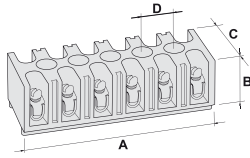
▶ LTE2-4.0P



▶ LTE3-4.0



| Colour   Cat. No.                  | 2x4 <sup>□</sup>       | 2x4 <sup>□</sup>                    | 3x4 <sup>□</sup>              |
|------------------------------------|------------------------|-------------------------------------|-------------------------------|
| White ○                            | 25 322 406 ○           | 25 322 426 ○                        | 25 323 406 ○                  |
| Standard                           |                        |                                     |                               |
| Certificate                        |                        |                                     |                               |
| Body                               | polomel, matt          | polomel, matt                       | polomel, matt                 |
| Quantity of paths<br>Cross-section | 2<br>4 mm <sup>2</sup> | 2<br>4 mm <sup>2</sup>              | 3<br>4 mm <sup>2</sup>        |
| Rated data                         |                        |                                     |                               |
| Rated voltage<br>Rated current     | 500 V<br>32 A          | 500 V<br>32 A                       | 500 V<br>32 A                 |
| Operating temperature              | -40°C ... +120°C       | -40°C ... +120°C                    | -40°C ... +120°C              |
| Dimensions<br>(A / B / C)          | 19 mm / 18 mm / 21 mm  | 19 mm / 18 mm / 21 mm               | 30 mm / 18 mm / 21 mm / 10 mm |
| Mounting to the plate              | M 3x20                 | M 3x20                              | M 3x20                        |
| Weight                             | 11.7 g                 | 11.7 g                              | 16.5 g                        |
| Package                            | 50 pcs                 | 50 pcs                              | 50 pcs                        |
| Additional information             | 1 mounting slot        | 1 mounting slot<br>clamps with pads | 2 mounting slots              |



### LTE3-4.0P



### LTE6-4.0 | LTE6-4.0M\*

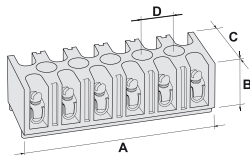


### LTE6-4.0A | LTE6-4.0AM\*



| Colour   Cat. No.                  | 3x4 <sup>□</sup>                     | 6x4 <sup>□</sup>   | 6x4 <sup>□</sup>  |
|------------------------------------|--------------------------------------|--|---|
| White ○                            | 25 323 426 ○                         | 25 326 406 ○   | 25 346 406 ○  |
| Marine version, white ○            | _____                                | 25 326 426 ○   | 25 346 426 ○  |
| Standard                           |                                      | PN-EN 60998-1  | PN-EN 60998-1   |
| Certificate                        |                                      |  |   |
| Body                               | polomel, matt                        | polomel, matt  | polomel, matt   |
| Quantity of paths<br>Cross-section | 3<br>4 mm <sup>2</sup>               | 6<br>4 mm <sup>2</sup>   | 6<br>4 mm <sup>2</sup>  |
| Rated data                         |                                      |  |   |
| Rated voltage<br>Rated current     | 500 V<br>32 A                        | 500 V<br>32 A  | 660 V<br>32 A   |
| Operating temperature              | -40°C ... +120°C                     | -40°C ... +120°C   | -40°C ... +120°C  |
| Dimensions<br>(A / B / C / D)      | 30 mm / 18 mm / 21 mm / 10 mm        | 60 mm / 18 mm / 22 mm / 10 mm  | 60 mm / 22 mm / 25 mm / 20 mm   |
| Mounting to the plate              | M 3x20                               | M 3x20   | M 3x20  |
| Weight                             | 17.7 g                               | 32.2 g / 34.5 g  | 39.4 g / 42.5 g   |
| Package                            | 50 pcs                               | 100 pcs  | 100 pcs   |
| Additional information             | 3 mounting slots<br>clamps with pads | 5 mounting slots<br>clamps with pads<br>*Version with protection against self-unscrewing | 3 mounting slots<br>clamps with pads<br>* Version with protection against self-unscrewing |

### LTE6-10.0 | LTE6-10.0M\*



### LTE6-16.0 | LTE6-16.0M\*



| Colour   Cat. No.                  | 6x10 <sup>□</sup>  | 6x16 <sup>□</sup>  |
|------------------------------------|--|--|
| White ○                            | 25 526 406 ○   | 25 616 406 ○   |
| Marine version, white ○            | 25 526 426 ○   | 25 616 426 ○   |
| Standard                           |  |  |
| Certificate                        |  |  |
| Body                               | polomel, matt  | polomel, matt  |
| Quantity of paths<br>Cross-section | 6<br>10 mm <sup>2</sup>  | 6<br>16 mm <sup>2</sup>  |
| Rated data                         |  |  |
| Rated voltage<br>Rated current     | 750 V<br>57 A  | 500 V<br>76 A  |
| Operating temperature              | -40°C ... +120°C   | -40°C ... +120°C   |
| Dimensions<br>(A / B / C / D)      | 90 mm / 24 mm / 30 mm / 15 mm  | 90 mm / 23 mm / 30 mm / 15 mm  |
| Mounting to the plate              | M 4  | M 4  |
| Weight                             | 94.1 g / 94.8 g  | 92.6 g / 97.1 g  |
| Package                            | 50 pcs   | 50 pcs   |
| Additional information             | 5 mounting slots, clamps with pads<br>*Version with protection against self-unscrewing | 5 mounting slots, clamps with pads<br>*Version with protection against self-unscrewing |

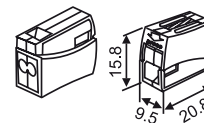
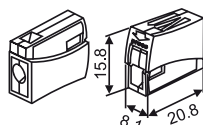
▶ PC301-CL



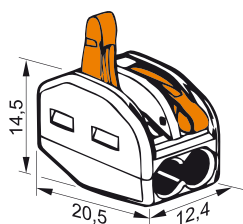
▶ PC302-CL



| Colour   Cat. No.              | 2x2.5 <sup>□</sup>   | 2.5 <sup>□</sup> / 2x2.5 <sup>□</sup>                   |
|--------------------------------|--|---|
| Grey ● 89 006 002 ●            |  |   |
| White ○                        |  | 89 007 006 ○  |
| Number of wires                | 1  | 2   |
| Cross-connection and wire type |  |   |
| Installation side              | ≤ 2.5 mm <sup>2</sup> , solid wire   | ≤ 2.5 mm <sup>2</sup> , solid wire                      |
| Lighting side                  | ≤ 2.5 mm <sup>2</sup> , solid wire or stranded wire  | ≤ 2 x 2.5 mm <sup>2</sup> , solid wire or stranded wire |
| Properties                     |  |   |
|                                | 24 A<br>450 V<br>-30°C ... 110°C   | 24 A<br>450 V<br>-30°C ... 110°C                        |
| Package                        | 100 pcs  | 100 pcs   |
| Additional information         | EASY LINK quick disconnect lighting connectors are used in lighting installations and other electrical installation works. They can connect both solid and stranded wires. They are made of self-extinguishing plastic that meet the UL 94V-2 standard. They have a self-clamping connecting system. |   |



UNIVERSAL QUICK DISCONNECT TERMINAL BLOCKS FOR SOLID AND STRANDED WIRES.



▶ ZU-402



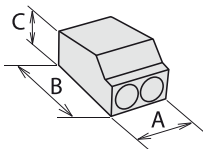
▶ ZU-403



▶ ZU-405



| Colour   Cat. No.           | 2x4 <sup>□</sup>   | 3x4 <sup>□</sup>                       | 5x4 <sup>□</sup>                       |
|-----------------------------|--|--|--|
| Grey ○ 85 122 000 ○         |  | 85 123 000 ○                           | 85 125 000 ○                           |
| Cross-section               |  |  |  |
| Solid wire                  | 0.08 ... 2.5 mm <sup>2</sup>   | 0.08 ... 2.5 mm <sup>2</sup>           | 0.08 ... 2.5 mm <sup>2</sup>           |
| Stranded wire               | 0.08 ... 4 mm <sup>2</sup><br>2 clamps   | 0.08 ... 4 mm <sup>2</sup><br>3 clamps | 0.08 ... 4 mm <sup>2</sup><br>5 clamps |
| Rated current               |  |  |  |
| Solid wire / Stranded wire  | 24 A / 32 A  | 24 A / 32 A                            | 24 A / 32 A                            |
| Dimensions (A / B / C)      | 12.4 mm / 20.5 mm / 14.5 mm  | 12.4 mm / 20.5 mm / 14.5 mm            | 26.6 mm / 20.5 mm / 14.5 mm            |
| Insulation stripping length | 9-10 mm  | 9-10 mm                                | 9-10 mm                                |
| Package                     | 50 pcs   | 50 pcs                                 | 40 pcs                                 |
| Additional information      | <b>Compact splicing connectors for single- and multi-wire conductors.</b><br>They can be used with a cross section between 0,08 to 2,5 mm <sup>2</sup> (4 mm <sup>2</sup> ) in all types of connections: light fixtures, window blinds control system, door and gate control systems, sound systems. |  |  |



▶ PC2252-CL



▶ PC2253-CL



| Colour   Cat. No.                 | 2x2.5 <sup>□</sup>                     | 3x2.5 <sup>□</sup>                     |
|-----------------------------------|--|--|
| Transparent <input type="radio"/> | 89 021 000 <input type="radio"/>       | 89 022 000 <input type="radio"/>       |
| Standard                          |  |  |
| Certificate                       | CE                                     | CE                                     |
| Cross-section                     |  |  |
| Solid wire                        | 1.5 ... 2.5 mm <sup>2</sup><br>2 track | 1.5 ... 2.5 mm <sup>2</sup><br>3 track |
| Rated current                     |  |  |
| Rated voltage                     | 450 V                                  | 450 V                                  |
| Rated current                     | 24 A                                   | 24 A                                   |
| Dimensions (A / B / C)            | 10 mm / 17 mm / 9 mm                   | 13 mm / 17 mm / 9 mm                   |
| Insulation stripping length       | 8 mm                                   | 11 mm                                  |
| Weight                            | 1.8 g                                  | 2.3 g                                  |
| Package                           | 100 pcs                                | 100 pcs                                |



▶ PC2254-CL



▶ PC2255-CL

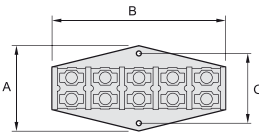


▶ PC2258-CL



| Colour   Cat. No.                 | 4x2.5 <sup>□</sup>                      | 5x2.5 <sup>□</sup>                      | 8x2.5 <sup>□</sup>                      |
|-----------------------------------|---|---|---|
| Transparent <input type="radio"/> | 89 023 000 <input type="radio"/>        | 89 024 000 <input type="radio"/>        | 89 005 000 <input type="radio"/>        |
| Standard                          |   |   |   |
| Certificate                       | CE                                      | CE                                      | CE                                      |
| Cross-section                     |   |   |   |
| Solid wire                        | 1.5 ... 2.5 mm <sup>2</sup><br>4 tracks | 1.5 ... 2.5 mm <sup>2</sup><br>5 tracks | 1.5 ... 2.5 mm <sup>2</sup><br>8 tracks |
| Rated current                     |   |   |   |
| Rated voltage                     | 450 V                                   | 450 V                                   | 450 V                                   |
| Rated current                     | 24 A                                    | 24 A                                    | 24 A                                    |
| Dimensions (A / B / C)            | 17 mm / 17 mm / 9 mm                    | 21 mm / 17 mm / 9 mm                    | 18 mm / 19 mm / 16 mm                   |
| Insulation stripping length       | 11 mm                                   | 11 mm                                   | 11 mm                                   |
| Weight                            | 2.9 g                                   | 3.5 g                                   | 4.9 g                                   |
| Package                           | 100 pcs                                 | 100 pcs                                 | 50 pcs                                  |

▶ ZPT4-2.5

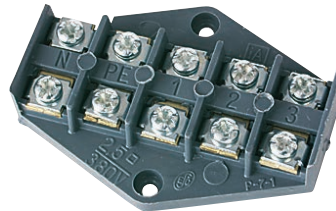
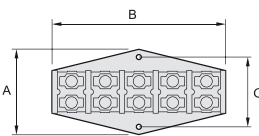


▶ ZPT4-4.0



| Colour   Cat. No.        | 4x2.5 <sup>□</sup>  | 4x4 <sup>□</sup>  |
|--------------------------|---|---|
| Black ●                  | 83 001 007 ●  | 83 003 007 ●  |
| Standard                 | PN-EN 60998-1   | PN-EN 60998-1   |
| Quantity x cross-section | 16x1 mm <sup>2</sup> , 12x1.5 mm <sup>2</sup> , 8x2.5 mm <sup>2</sup> in 4 tracks | 16x2.5 mm <sup>2</sup> , 12x4 mm <sup>2</sup> , 8x6 mm <sup>2</sup> in 4 tracks |
| Rated data               |   |   |
| Rated voltage            | 450 V   | 400 V   |
| Rated current            | 10 A  | 24 A  |
| Dimensions               |   |   |
| Width (A)                | 46 mm   | 46 mm   |
| Length (B)               | 50 mm   | 46 mm   |
| Spacing (C)              | 39 mm   | 39 mm   |
| Height (D)               | 12 mm   | 15 mm   |
| Weight                   | 21.5 g  | 33.5 g  |
| Package                  | 100 pcs   | 50 pcs  |

▶ ZPT5-2.5



▶ ZPT5-4.0



| Colour   Cat. No.        | 5x2.5 <sup>□</sup>   | 5x4 <sup>□</sup>   |
|--------------------------|--|--|
| Black ●                  | 83 002 007 ●   | 83 004 007 ●   |
| Standard                 | PN-EN 60998-1  | PN-EN 60998-1  |
| Quantity x cross-section | 20x1 mm <sup>2</sup> , 15x1.5 mm <sup>2</sup> , 10x2.5 mm <sup>2</sup> in 5 tracks | 20x2.5 mm <sup>2</sup> , 15x4 mm <sup>2</sup> , 10x6 mm <sup>2</sup> in 5 tracks |
| Rated data               |  |  |
| Rated voltage            | 450 V  | 400 V  |
| Rated current            | 10 A   | 24 A   |
| Dimensions               |  |  |
| Width (A)                | 48 mm  | 48 mm  |
| Length (B)               | 64 mm  | 58 mm  |
| Spacing (C)              | 39 mm  | 39 mm  |
| Height (D)               | 12 mm  | 15 mm  |
| Weight                   | 26.1 g   | 40 g   |
| Package                  | 50 pcs   | 50 pcs   |

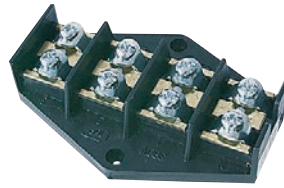
### ZPT4-10.0



**4x10<sup>□</sup>**

|  |
|--|
| <b>83 005 007</b> ●  |
| PN-EN 60998-1  |
| 16x6 mm <sup>2</sup> , 12x16 mm <sup>2</sup> , 8x25 mm <sup>2</sup><br>in 4 tracks |
| 400 V<br>40 A  |
| 56 mm<br>67 mm<br>44 mm<br>22 mm   |
| 61 g   |
| 25 pcs   |

### ZPT4-16.0



**4x16<sup>□</sup>**

|   |
|---|
| <b>83 007 007</b> ●   |
| PN-EN 60998-1   |
| 16x10 mm <sup>2</sup> , 12x16 mm <sup>2</sup> , 8x25 mm <sup>2</sup><br>in 4 tracks |
| 400 V<br>55 A   |
| 76 mm<br>110 mm<br>63 mm<br>25 mm   |
| 132.25 g  |
| 10 pcs  |

### ZPT4-35.0

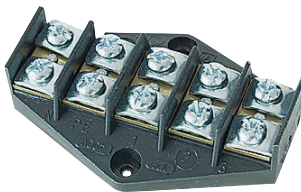


**4x35<sup>□</sup>**

|   |
|---|
| <b>83 009 007</b> ●   |
| PN-EN 60998-1   |
| 12x16 mm <sup>2</sup> , 8x25 mm <sup>2</sup> , 8x35 mm <sup>2</sup> , 8x50 mm <sup>2</sup><br>in 4 tracks |
| 400 V<br>85 A   |
| 64 mm<br>114 mm<br>55 mm<br>29 mm   |
| 248.5 g   |
| 50 pcs  |

Note: The wires can go through the connector.

### ZPT5-10.0



**5x10<sup>□</sup>**

|   |
|---|
| <b>83 006 007</b> ●   |
| PN-EN 60998-1   |
| 20x6 mm <sup>2</sup> , 15x10 mm <sup>2</sup> , 10x16 mm <sup>2</sup><br>in 5 tracks |
| 400 V<br>40 A   |
| 57 mm<br>80 mm<br>44 mm<br>22 mm  |
| 69.55 g   |
| 25 pcs  |

### ZPT5-16.0



**5x16<sup>□</sup>**

|  |
|--|
| <b>83 008 007</b> ●  |
| PN-EN 60998-1  |
| 20x10 mm <sup>2</sup> , 15x16 mm <sup>2</sup> , 10x25 mm <sup>2</sup><br>in 5 tracks |
| 400 V<br>55 A  |
| 78 mm<br>134 mm<br>63 mm<br>25 mm  |
| 128.45 g   |
| 10 pcs   |

### ZPT5-35.0



**5x35<sup>□</sup>**

|  |
|--|
| <b>83 010 007</b> ●  |
| PN-EN 60998-1  |
| 15x16 mm <sup>2</sup> , 10x25 mm <sup>2</sup> , 10x35 mm <sup>2</sup> , 10x50 mm <sup>2</sup><br>in 5 tracks |
| 400 V<br>85 A  |
| 64 mm<br>140 mm<br>80 mm<br>29 mm  |
| 287.1 g  |
| 40 pcs   |

Note: The wires can go through the connector.

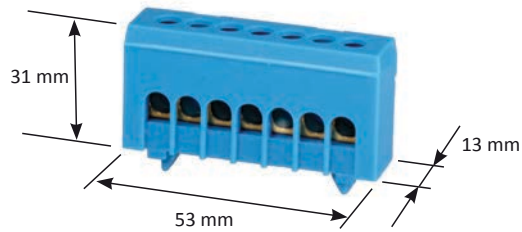
▶ A7H, N7H, PE7H



| Colour   Cat. no.                          | NEW                          | 7x16 <sup>□</sup> |
|--|------------------------------|-------------------|
| Blue ● 89 810 003 (MAD1007N15) ●           |                              |                   |
| Green ● 89 811 005 (MAD1007G15) ●          |                              |                   |
| Grey ● 89 810 002 (MAD1007A15) ●           |                              |                   |
| Number of slots x cross-section (diameter) | 7 x 16 mm <sup>2</sup> (5mm) |                   |
| Rated current                              |                              |                   |
| Rated voltage                              | 690 V                        |                   |
| Rated current                              | 63 A                         |                   |
| Mounting                                   | TS35                         |                   |
| Package*                                   | 10 pcs                       |                   |

\* Products also sold per item

A7H | N7H | PE7H  
7 slots x Ø 5mm (16 mm<sup>2</sup>)



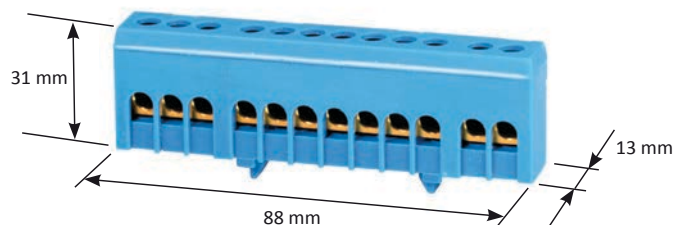
▶ A12H, N12H, PE12H



| Colour   Cat. no.                          | NEW                         | 12x16 <sup>□</sup> |
|--|-----------------------------|--------------------|
| Blue ● 89 812 003 (MAD1012N15) ●           |                             |                    |
| Green ● 89 813 005 (MAD1012G15) ●          |                             |                    |
| Grey ● 89 812 002 (MAD1012A15) ●           |                             |                    |
| Number of slots x cross-section (diameter) | 12x16 mm <sup>2</sup> (5mm) |                    |
| Rated current                              |                             |                    |
| Rated voltage                              | 690 V                       |                    |
| Rated current                              | 63 A                        |                    |
| Mounting                                   | TS35                        |                    |
| Package*                                   | 10 pcs                      |                    |

\* Products also sold per item

A12H | N12H | PE12H  
7 slots x Ø 5mm (16 mm<sup>2</sup>)



### A15H, N15H, PE15H

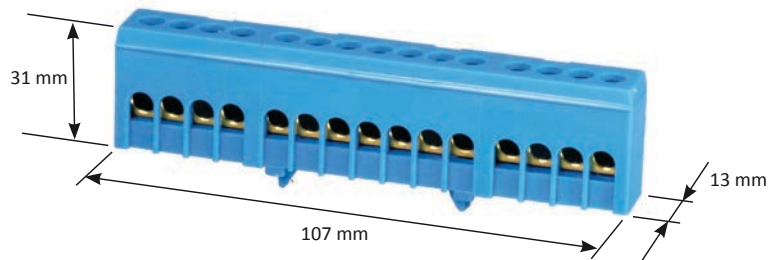


| Colour   Cat. no.                          | NEW                         | 15x16 <sup>□</sup> |
|--|-----------------------------|--------------------|
| Blue ●                                     | 89 814 003 (MAD1015N15)     | ●                  |
| Green ●                                    | 89 815 005 (MAD1015G15)     | ●                  |
| Grey ●                                     | 89 814 002 (MAD1015A15)     | ●                  |
| Number of slots x cross-section (diameter) | 15x16 mm <sup>2</sup> (5mm) |                    |
| Rated current                              |                             |                    |
| Rated voltage                              | 690 V                       |                    |
| Rated current                              | 63 A                        |                    |
| Mounting                                   | TS35                        |                    |
| Package*                                   | 10 pcs                      |                    |

\* Products also sold per item

### A15H | N15H | PE15H

15 slots x Ø 5mm (16 mm<sup>2</sup>)

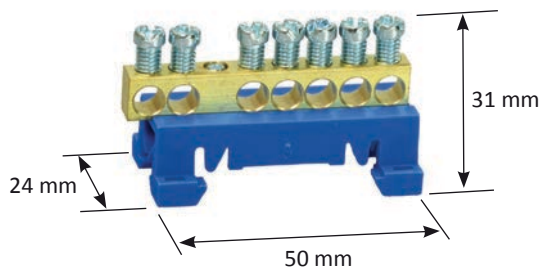


### L7, N7, PE7



| Colour   Cat. no.                          | NEW                        | 7x16 <sup>□</sup> |
|--|----------------------------|-------------------|
| Black ●                                    | 89 820 007 (MAD0007B21)    |                   |
| Yellow ●                                   | 89 820 004 (MAD0007Y21)    |                   |
| Blue ●                                     | 89 820 003 (MAD0007N21)    |                   |
| Green ●                                    | 89 821 005 (MAD0007G21)    |                   |
| Number of slots x cross-section (diameter) | 7x16 mm <sup>2</sup> (5mm) |                   |
| Rated current                              |                            |                   |
| Rated voltage                              | 630 V                      |                   |
| Rated current                              | 63 A                       |                   |
| Mounting                                   | TS35                       |                   |
| Package                                    | 100 pcs                    |                   |

\* Products also sold per item



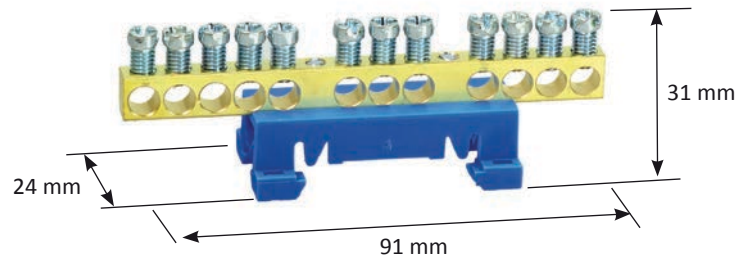


L 12, N12, PE12



| Colour   Cat. no.                          | NEW                         | 12x16 <sup>□</sup> |
|--|-----------------------------|--------------------|
| Black ●                                    | 89 822 007 (MAD0012B21)     |                    |
| Yellow ●                                   | 89 822 004 (MAD0012Y21)     |                    |
| Blue ●                                     | 89 822 003 (MAD0012N21)     |                    |
| Green ●                                    | 89 823 005 (MAD0012G21)     |                    |
| Number of slots x cross-section (diameter) | 12x16 mm <sup>2</sup> (5mm) |                    |
| Rated current                              |                             |                    |
| Rated voltage<br>Rated current             | 630 V<br>63 A               |                    |
| Mounting                                   | TS35                        |                    |
| Package*                                   | 100 pcs                     |                    |

\* Products also sold per item

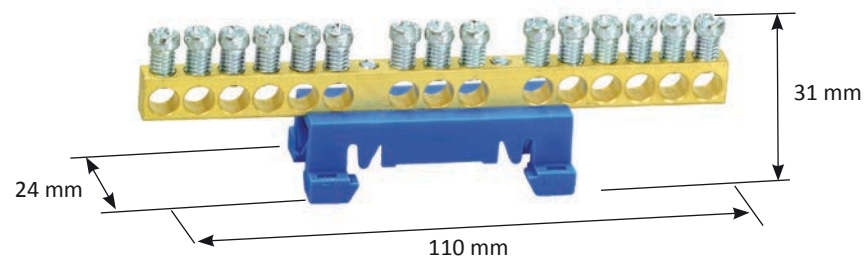


L15, PE15



| Colour   Cat. no.                          | NEW                         | 15x16 <sup>□</sup> |
|--|-----------------------------|--------------------|
| Black ●                                    | 89 824 007 (MAD0015B21)     |                    |
| Yellow ●                                   | 89 824 004 (MAD0015Y21)     |                    |
| Number of slots x cross-section (diameter) | 15x16 mm <sup>2</sup> (5mm) |                    |
| Rated current                              |                             |                    |
| Rated voltage<br>Rated current             | 630 V<br>63 A               |                    |
| Mounting                                   | TS35                        |                    |
| Package*                                   | 10 pcs                      |                    |

\* Products also sold per item



▶ SWP1



▶ SWP2



| Colour   Cat. No.      | 25 <sup>□</sup> / 5x6 <sup>□</sup>   | 50 <sup>□</sup> / 7x25 <sup>□</sup> / 30x4   |
|------------------------|--|--|
| Grey ●                 | 84 331 002 ●   | 84 332 002 ●   |
| Certificate            |  |  |
| Cross-section          | 1x25 mm <sup>2</sup> ; 5x6 mm <sup>2</sup>   | 1x50 mm <sup>2</sup> ; 7x25 mm <sup>2</sup> ; 30x4 mm  |
| Rated data             |  |  |
| Rated voltage          | 690 V  | 690 V  |
| Rated current          | 101 A  | 76 A   |
| Dimensions             |  |  |
| Width (A)              | 64 mm  | 52 mm  |
| Length (B)             | 32 mm  | 172 mm   |
| Height (C)             | 40 mm  | 42 mm  |
| Weight                 | 69 g   | 240 g  |
| Package*               | 60 pcs   | 1 pcs  |
| Purpose                | Clamp adapted for solid wire connections or cable lugs with H, HI endings. Mounting on a TS35 rail and to the mounting place | Clamp adapted for solid wire connections or cable lugs with KO, KW, KOI, LOI, KWI etc. Mounting on TS35 rail and to the mounting place |
| Additional information | Potential equalization bar   | Potential equalization bar   |

\* Products also sold per item

▶ MAB5050A10

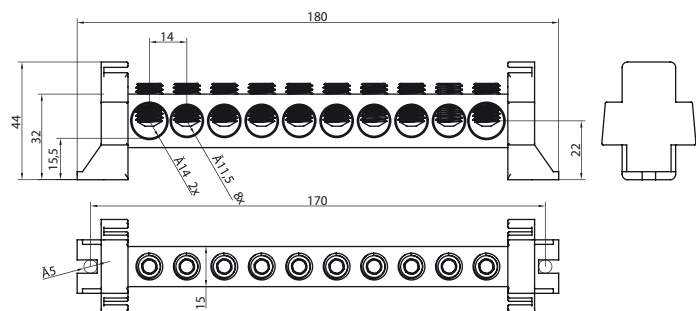
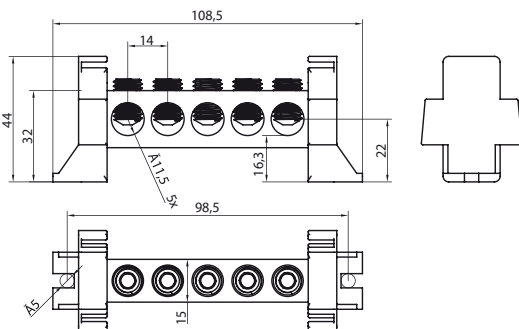


▶ MAB8050A10



| Colour   Cat. No. | NEW   | 5x50 <sup>□</sup> | NEW   | 2x70 <sup>□</sup> , 8x50 <sup>□</sup> |
|-------------------|---|-------------------|---|---------------------------------------|
| Grey ●            | 89 803 002 ●                                    |                   | 89 804 002 ●  |                                       |
| Certificate       |   |                   |   |                                       |
| Cross-section     | 5 x (6 - 50) mm <sup>2</sup> (Ø11mm) Imbus 5 mm |                   | 2 x (10 - 70) mm <sup>2</sup> , 8 x (6 - 50) mm <sup>2</sup> - Imbus 5 mm |                                       |
| Rated voltage     | 690 V   |                   | 690 V   |                                       |
| Weight            | 69 g  |                   | 107 g   |                                       |
| Package*          | 5 pcs   |                   | 5 pcs   |                                       |

\* Products also sold per item



▶ OU-1



▶ OU-2



| Colour   Cat. No. |                              |                                |
|-------------------|------------------------------|--------------------------------|
| Grey ●            | <b>84 300 000</b> ●          | <b>84 301 000</b> ●            |
| Cross-section     | 2.5 ... 16 mm <sup>2</sup>   | 2.5 ... 16 mm <sup>2</sup>     |
| Pipe diameter     | 1/8 ... 3/8" / ø 8 ... 18 mm | 1/8 ... 1 1/2" / ø 8 ... 50 mm |
| Band length       | 136 mm                       | 209 mm                         |
| Package           | 10 pcs                       | 10 pcs                         |

▶ OU-3



▶ OU-4



| Colour   Cat. No. |                             |                             |
|-------------------|-----------------------------|-----------------------------|
| Grey ●            | <b>84 302 000</b> ●         | <b>84 303 000</b> ●         |
| Cross-section     | 2.5 ... 16 mm <sup>2</sup>  | 2.5 ... 16 mm <sup>2</sup>  |
| Pipe diameter     | 1/8 ... 4" / ø 8 ... 114 mm | 1/8 ... 6" / ø 8 ... 165 mm |
| Band length       | 428 mm                      | 605 mm                      |
| Package           | 10 pcs                      | 10 pcs                      |



| Colour   Cat. No.    | 16 <sup>□</sup>                   | 35 <sup>□</sup>                   | 50 <sup>□</sup>                   | 70 <sup>□</sup>                   | 120 <sup>□</sup>                  | 185 <sup>□</sup>                  |
|----------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
|                      | <b>89 769 000</b><br>(MAE0165E15) | <b>89 770 000</b><br>(MAE0355E15) | <b>89 771 000</b><br>(MAE0505E15) | <b>89 772 000</b><br>(MAE0705E15) | <b>89 773 000</b><br>(MAE1205E15) | <b>89 774 000</b><br>(MAE1855E15) |
| <b>Cross-section</b> | 1.5 ... 16 mm <sup>2</sup>        | 4 ... 35 mm <sup>2</sup>          | 10 ... 50 mm <sup>2</sup>         | 16 ... 70 mm <sup>2</sup>         | 16 ... 120 mm <sup>2</sup>        | 50 ... 185 mm <sup>2</sup>        |
| <b>Rated data</b>    |                                   |                                   |                                   |                                   |                                   |                                   |
| <b>Rated voltage</b> | 690 V                             | 690 V                             | 690 V                             | 690 V                             | 690 V                             | 690 V                             |
| <b>Rated current</b> | 180 A                             | 270 A                             | 315 A                             | 400 A                             | 440 A                             | 500 A                             |
| <b>Weight</b>        | 22 g                              | 44 g                              | 48 g                              | 62 g                              | 88 g                              | 102 g                             |
| <b>Package</b>       | 1 piece                           | 1 piece                           | 1 piece                           | 1 piece                           | 1 piece                           | 1 piece                           |

## TERMINALS FOR COPPER RAILS 10 MM



Clamps mounted on a copper rail

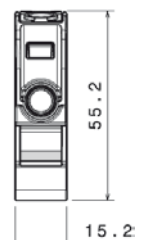
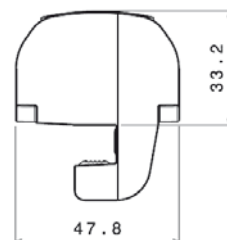


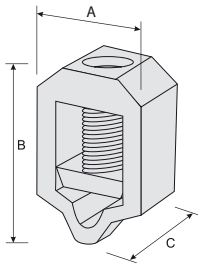
| Colour   Cat. No.    | 16 <sup>□</sup>                   | 35 <sup>□</sup>                   | 50 <sup>□</sup>                   | 70 <sup>□</sup>                   | 120 <sup>□</sup>                  | 185 <sup>□</sup>                  |
|----------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
|                      | <b>89 775 000</b><br>(MAE0161E15) | <b>89 776 000</b><br>(MAE0351E15) | <b>89 777 000</b><br>(MAE0501E15) | <b>89 778 000</b><br>(MAE0701E15) | <b>89 779 000</b><br>(MAE1201E15) | <b>89 780 000</b><br>(MAE1851E15) |
| <b>Cross-section</b> | 1.5 ... 16 mm <sup>2</sup>        | 4 ... 35 mm <sup>2</sup>          | 10 ... 50 mm <sup>2</sup>         | 16 ... 70 mm <sup>2</sup>         | 16 ... 120 mm <sup>2</sup>        | 50 ... 185 mm <sup>2</sup>        |
| <b>Rated data</b>    |                                   |                                   |                                   |                                   |                                   |                                   |
| <b>Rated voltage</b> | 690 V                             | 690 V                             | 690 V                             | 690 V                             | 690 V                             | 690 V                             |
| <b>Rated current</b> | 180 A                             | 270 A                             | 315 A                             | 400 A                             | 440 A                             | 500 A                             |
| <b>Weight</b>        | 21 g                              | 45 g                              | 48 g                              | 68 g                              | 90 g                              | 96 g                              |
| <b>Package</b>       | 1 piece                           | 1 piece                           | 1 piece                           | 1 piece                           | 1 piece                           | 1 piece                           |

### SSAK16



| Colour   Cat. No.    | NEW                    | 2x16 <sup>□</sup> |
|----------------------|------------------------|-------------------|
| Grey ●               | <b>83 304 002</b> ●    |                   |
| <b>Rated data</b>    |                        |                   |
| <b>Rated voltage</b> | 690V                   |                   |
| <b>Rated current</b> | 100 A                  |                   |
| <b>Cross-section</b> |                        |                   |
| <b>Input</b>         | szyna 10 mm            |                   |
| <b>Output</b>        | 2 x 16 mm <sup>2</sup> |                   |
| <b>Package</b>       | 1 piece                |                   |





▶ 25-120SW



▶ 35-240SW

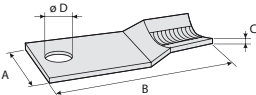


▶ 2x35-240SW



| Colour   Cat. No.              | 95 <sup>□</sup>  | 120 <sup>□</sup>           | 2x240 <sup>□</sup>                |
|--------------------------------|--|----------------------------|-----------------------------------|
|                                | 84 341 000   | 84 342 000                 | 84 343 000                        |
| <b>Rail connect</b>            |  |                            |                                   |
| sm                             | 35 ... 95 mm <sup>2</sup>  | 35 ... 185 mm <sup>2</sup> | 2 x (70 ... 240 mm <sup>2</sup> ) |
| se                             | 50 ... 120 mm <sup>2</sup>   | 35 ... 240 mm <sup>2</sup> | 2 x (95 ... 300 mm <sup>2</sup> ) |
| rm                             | 10 ... 50 mm <sup>2</sup>  | 25 ... 150 mm <sup>2</sup> | 2 x (50 ... 185 mm <sup>2</sup> ) |
| re                             | 16 ... 50 mm <sup>2</sup>  | 25 ... 95 mm <sup>2</sup>  | 2 x (70 ... 240 mm <sup>2</sup> ) |
| <b>Dimensions (A / B / C)</b>  | 28 mm / 38 mm / 21 mm  | 35 mm / 49 mm / 24 mm      | 35 mm / 77 mm / 24 mm             |
| <b>Cross-section</b>           | 95 mm <sup>2</sup>   | 120 mm <sup>2</sup>        | 120 mm <sup>2</sup>               |
| <b>Tightening torque range</b> | 20 Nm (Hex screw 6 mm)   | 30 Nm (Hex screw 6 mm)     | 30 Nm (Hex screw 6 mm)            |
| <b>Package</b>                 | 10 pcs   | 10 pcs                     | 10 pcs                            |
| <b>Notes</b>                   | Materials: Body – aluminum alloy; Clamp – brass; Hex screw SW 6 - galvanized steel.<br>Usage: For connecting aluminium and copper cables on rails in distribution boards, fusing bases. Suitable for all types of cables (sectorial multi-wire conductors - sm, sectorial single-wire conductors - se, round multi-wire conductors - rm, round single-wire conductors - re.) |                            |                                   |

▶ 25-120SW



▶ 35-240SW

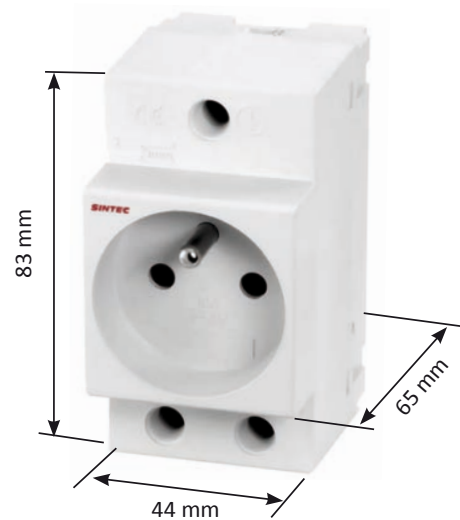


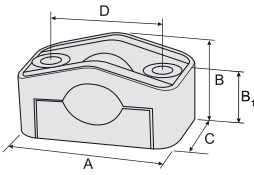
| Colour   Cat. No.    | 95 <sup>□</sup>                        | 120 <sup>□</sup>                                    |
|----------------------|--|---|
|                      | 84 273 000                             | 84 277 000  |
| <b>Rail connect</b>  |  |   |
| <b>Width (A)</b>     | 20 mm                                  | 25 mm   |
| <b>Length (B)</b>    | 64 mm                                  | 74 mm   |
| <b>Thickness (C)</b> | 3 mm                                   | 3 mm  |
| <b>Diameter (D)</b>  | 10 mm                                  | 10 mm   |
| <b>Material</b>      | Galvanized copper                      | Galvanized copper                                   |
| <b>Package</b>       | 10 pcs                                 | 10 pcs  |
| <b>Purpose</b>       | Connection plate to connector 25-120SW | Connection plate to connector 35-240SW i 2x35-240SW |

## ▶ AUS16B



| Colour   Cat. No.                      |   |
|--|---|
|  | <b>89 066 006</b>   |
| Standard                               | PN 88/E-9320  |
| Rated voltage Ur                       | 250V/50Hz   |
| Rated current Ir                       | 10/16 A   |
| Clamps                                 | L, N, PE  |
| Cross-connection of installation wires | 1.5 ... 4.0 mm <sup>2</sup>   |
| IP class                               | IP 20   |
| Package                                | 5 pcs   |
| For use with                           | <p>The socket with a pin of AUS16B type is designed to be used in single-phase installations for a direct or alternating current 10/16 A, with a rated voltage of 250 V. Mounting is done by pushing it in on a TS 35-7.5 rail or with the use of screws on a mounting board. Modular construction of the socket makes it possible to install it in bodies and distribution boards.</p> <p>Modular construction of this socket allows installation of the socket in enclosures and distribution boards made according to DIN 43880.</p> <p>Connection of the single-phase receiver, like lighting, to a home distribution board when it is necessary to disconnect electricity due to e.g. installation works.</p> <p>Can be used as part of an independent electric circuit that is connected to the electrical installation by an S 190 series circuit breaker of a max. rated voltage of 10/16 A. For the alternating current to protect the socket a P191 residual current device of a max rated voltage of 16 A can be used.</p> |





▶ UKR1



▶ UKR2



| Colour   Cat. No.      | ∅ cable 26-46 mm  | ∅ cable 45-70 mm                               |
|------------------------|---|--|
| Black ● 84 328 007 ●   |   | 84 329 007 ●                                   |
| Wire diameter range    | 26 ... 45 mm <sup>2</sup>                                       | 46 ... 65 mm <sup>2</sup>                      |
| Weight                 | 85 g  | 118 g  |
| Dimensions             |   |  |
| A / B / B1 / C / D     | 97 / 48 ... 63 / 38 / 59 / 69 mm / ∅ slots 11 mm                | 124 / 66 ... 91 / 44 / 60 / 93 / ∅ slots 12 mm |
| Operating temperature  | -30°C ... +85°C   | -30°C ... +85°C                                |
| Package                | 1 piece   | 1 piece  |
| Additional information | Cable fixing holder for mounting cables in distribution boards. |  |

▶ SW-4-1



▶ SW-8-1



| Colour   Cat. No.                         | ∅ 50 mm  | ∅ 60 mm                          |
|---|--|----------------------------------|
| White ○ 84 327 006 ○                      |  | 84 288 006 ○                     |
| Rated voltage                             | 1 kV   | 1 kV                             |
| Dimensions                                |  |                                  |
| Height<br>Bottom diameter<br>Top diameter | 40 mm<br>∅ 50 mm<br>∅ 32 mm  | 40 mm<br>∅ 60 mm<br>∅ 40 mm      |
| Mounting screw                            | M 10   | M 12                             |
| Weight                                    | 45 g   | 60 g                             |
| Package                                   | 100 pcs (any amount is available)  | 50 pcs (any amount is available) |
| Additional information                    | To insulate rails in installations and distribution devices for up to 1000 V rated voltage and up to 100 Hz frequency. |                                  |

Multigates for inserting low and medium voltage wires. They can be used both indoors and outdoors. They are resistant to UV radiation, oils (according to UL94, V0) and high temperatures. IP65 and IP55 multigates come with fixing pegs.

### ▶ MC3



### ▶ MC10



| Colour   Cat. No.        |  |                                  |
|--------------------------|--|----------------------------------|
| Grey ●                   | <b>89 781 006 (MBA1F03L11)</b> ●               | <b>89 783 006 (MBA1N10X11)</b> ● |
| Dimensions               |  |                                  |
| A / B / C / D / E        | 214 / 82 / 40 / 19 / 27                        | 216 / 84 / 48 / 45 / 12          |
| Quantity x cross-section | 4 x 8 ... 12<br>2 x 24 ... 54<br>1 x 30 ... 60 | 2 x 7 ... 12<br>8 x 10 ... 30    |
| Maximum wires quantity   | 7  | 10                               |
| IP class                 | IP 65  | IP 55                            |
| Weight                   | 199 g  | 200 g                            |
| Package                  | 1 piece  | 1 piece                          |

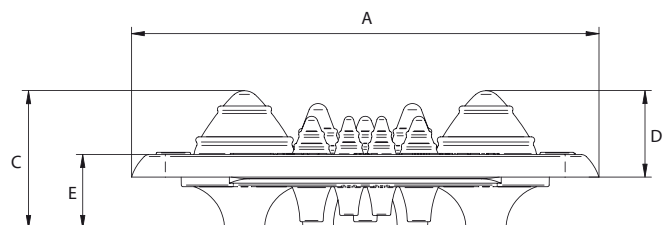
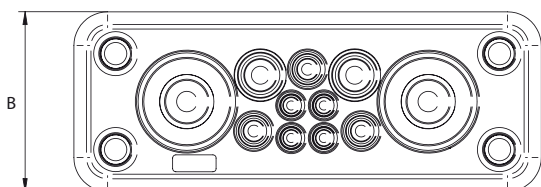
### ▶ MC35/37



### ▶ MC35



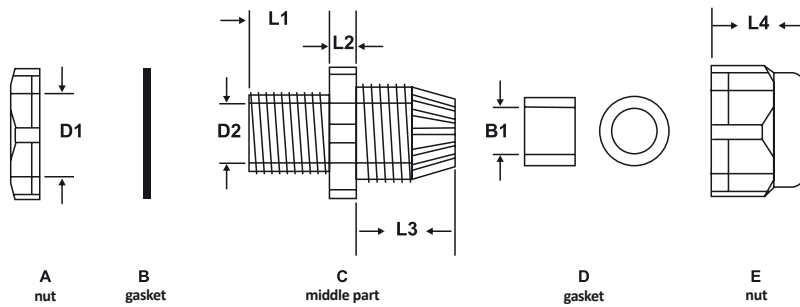
| Colour   Cat. No.        |   |   |
|--------------------------|---|---|
| Grey ●                   | <b>89 787 006 (MBA1F37L11)</b> ●  | <b>89 789 006 (MBA3F35L11)</b> ●  |
| Dimensions               |   |   |
| A / B / C / D / E        | 222 / 92 / 43 / 30 / 23   | 216 / 84 / 31 / 17 / 22   |
| Quantity x cross-section | 4 x 6 ... 10<br>14 x 8 ... 12<br>16 x 10 ... 14<br>2 x 12 ... 18<br>1 x 17 ... 32 | 2 x 6 ... 10<br>14 x 7 ... 12<br>16 x 10 ... 14<br>2 x 12 ... 18<br>1 x 17 ... 32 |
| Maximum wires quantity   | 37  | 35  |
| IP class                 | IP 65/67  | IP 65   |
| Weight                   | 233 g   | 220 g   |
| Package                  | 1 piece   | 1 pcs   |





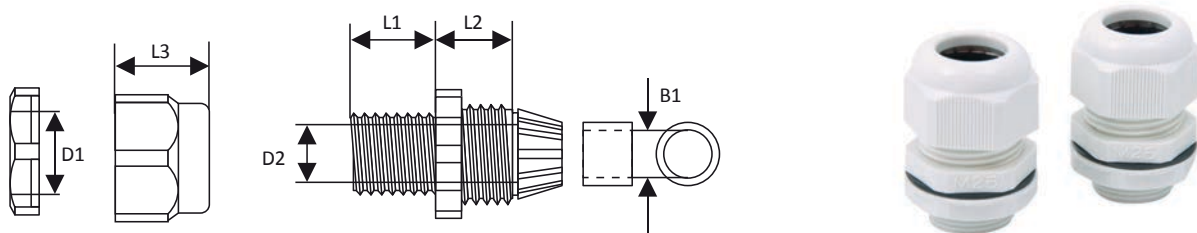
|                       |   |
|-----------------------|---|
| Material              | Polyamide PA66 (halogen-free, self-extinguishing) |
| Colour                | RAL 7035  |
| In the set            | Gasket, nut                                       |
| Operating temperature | -40°C ... +85°C. (short duration to +120°C)       |
| Protection class      | IP67  |

► Cable glands with a PG screw thread



| Cat. No.   | Type    | D1 (mm) | D2 (mm) | L1 (mm) | L2 (mm) | L3 (mm) | L4 (mm) | B1 (mm) | Range of wires diameter (mm) | Package (pcs) |
|------------|---------|---------|---------|---------|---------|---------|---------|---------|------------------------------|---------------|
| 89 054 002 | PG-07   | 12.1    | 8.7     | 8.3     | 5.0     | 15.0    | 13.8    | 6.9     | 3.5 ... 6                    | 100           |
| 89 055 002 | PG-09   | 16.2    | 11.1    | 8.7     | 4.6     | 16.1    | 15.7    | 8.9     | 4 ... 8                      | 100           |
| 89 056 002 | PG-11   | 18.2    | 13.4    | 8.7     | 5.1     | 18.1    | 17.9    | 11.3    | 5 ... 10                     | 100           |
| 89 057 002 | PG-13.5 | 20.1    | 15.5    | 8.7     | 5.0     | 19.2    | 18.3    | 12.8    | 6 ... 12                     | 100           |
| 89 058 002 | PG-16   | 22.3    | 17.6    | 11.3    | 5.2     | 20.2    | 18.1    | 13.7    | 10 ... 14                    | 100           |
| 89 059 002 | PG-21   | 26.7    | 21.4    | 11.1    | 5.1     | 23.0    | 22.0    | 17.4    | 13 ... 18                    | 50            |
| 89 060 002 | PG-29   | 35.9    | 28.8    | 11.9    | 6.9     | 24.4    | 23.5    | 25.3    | 18 ... 25                    | 50            |
| 89 061 002 | PG-36   | 46.4    | 39.1    | 16.0    | 7.8     | 30.7    | 27.3    | 31.9    | 22 ... 32                    | 20            |
| 89 062 002 | PG-42   | 53.9    | 46.7    | 15.4    | 7.9     | 33.2    | 28.5    | 37.1    | 30 ... 38                    | 20            |
| 89 063 002 | PG-48   | 60.2    | 52.6    | 18.0    | 7.9     | 35.5    | 30.3    | 45.1    | 34 ... 44                    | 20            |

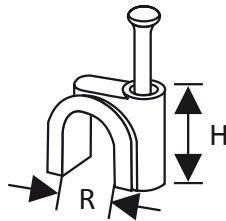
► Cable glands with an MG metric screw thread



| Cat. No.   | Type  | D1 (mm) | D2 (mm) | L1 (mm) | L2 (mm) | L3 (mm) | B1 (mm) | Range of wires diameter (mm) | Package (pcs) |
|------------|-------|---------|---------|---------|---------|---------|---------|------------------------------|---------------|
| 89 064 002 | MG-12 | 12.0    | 8.3     | 5.0     | 7.9     | 12.1    | 13.3    | 3.0 ... 6.5                  | 50            |
| 89 065 002 | MG-16 | 16.0    | 10.9    | 9.6     | 14.4    | 14.4    | 16.7    | 5.0 ... 10.0                 | 50            |
| 89 066 002 | MG-20 | 20.0    | 14.8    | 12.9    | 12.8    | 19.5    | 18.4    | 10.0 ... 14.0                | 50            |
| 89 067 002 | MG-25 | 25.0    | 18.5    | 16.5    | 13.9    | 19.5    | 22.3    | 13.0 ... 18.0                | 50            |
| 89 068 002 | MG-32 | 32.0    | 25.9    | 23.3    | 14.6    | 20.3    | 26.1    | 18.0 ... 25.0                | 25            |
| 89 069 002 | MG-40 | 40.0    | 31.4    | 30.6    | 17.7    | 23.4    | 31.9    | 22.0 ... 32.0                | 10            |
| 89 070 002 | MG-50 | 50.0    | 41.2    | 38.2    | 17.3    | 25.7    | 31.6    | 30.0 ... 38.0                | 10            |
| 89 071 002 | MG-63 | 63.0    | 54.1    | 42.4    | 18.6    | 26.2    | 32.6    | 34.0 ... 38.0                | 10            |

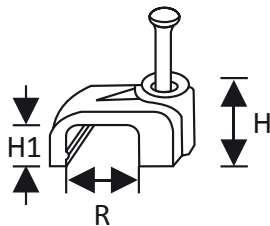
Cable clips with a FLOP nail are made of polypropylene. They are used for fixing cables or single wires to the surface with hardened nails.

### ► „O” type flops for round conductors



| Cat. No.   | Type     | Size in mm (RxH) | Cable diameter (mm) | Cable type (mm) | Package (pcs) | Colour |
|------------|----------|------------------|---------------------|-----------------|---------------|--------|
| 89 072 006 | FLOP O3  | 3.5 x 4.5        | 3.5                 | round           | 100           | white  |
| 89 073 006 | FLOP O4  | 4 x 5.3          | 4                   | round           | 100           | white  |
| 89 074 006 | FLOP O5  | 5 x 6.5          | 5                   | round           | 100           | white  |
| 89 075 006 | FLOP O6  | 6 x 8.1          | 6                   | round           | 100           | white  |
| 89 076 006 | FLOP O7  | 7 x 8.7          | 7                   | round           | 100           | white  |
| 89 077 006 | FLOP O8  | 8 x 9.6          | 8                   | round           | 100           | white  |
| 89 078 006 | FLOP O10 | 10 x 11.7        | 10                  | round           | 100           | white  |
| 89 079 006 | FLOP O12 | 12 x 12.8        | 12                  | round           | 100           | white  |
| 89 080 006 | FLOP O14 | 14 x 14.9        | 14                  | round           | 100           | white  |
| 89 081 006 | FLOP O16 | 16 x 16.9        | 16                  | round           | 100           | white  |

### ► „P” type flops for flat conductors



| Cat. No.   | Type         | Size in mm (RxHxH1) | Cable diameter (mm) | Cable type (mm) | Package (pcs) | Colour |
|------------|--------------|---------------------|---------------------|-----------------|---------------|--------|
| 89 082 006 | FLOP P 4/4   | 4.0 x 6.0 x 3.8     | 4                   | flat 2 x 0.75   | 100           | white  |
| 89 083 006 | FLOP P 6/4   | 6.0 x 6.5 x 4.1     | 6                   | flat 2 x 1      | 100           | white  |
| 89 084 006 | FLOP P 7/4.5 | 7.0 x 7.0 x 4.7     | 7                   | flat 2 x 1.5    | 100           | white  |
| 89 085 006 | FLOP P 8/5   | 8.0 x 7.5 x 5.0     | 8                   | flat 2 x 2.5    | 100           | white  |
| 89 086 006 | FLOP P 10/6  | 10 x 8.6 x 5.7      | 10                  | flat 3 x 1.5    | 100           | white  |
| 89 087 006 | FLOP P 12/6  | 12 x 9.0 x 6.1      | 12                  | flat 3 x 2.5    | 100           | white  |

### ▶ Hammered double cable clips - UWT type



A clip for flat cables. Made of polypropylene, used for creating cable routes, for fixing double parallel flat conductors, also used in making spurs

| Cat. No.   | Type  | For cable type                            | Size A (mm) | Size a (mm) | Size L (mm) | Size l (mm) | Size of a drill to make a hole for the clip (mm) | Package (pcs) | Colour |
|------------|-------|---|-------------|-------------|-------------|-------------|--|---------------|--------|
| 89 139 306 | UWT-1 | 2x YDYp (2x2.5) or YDYp (3x1.0) for spurs | 27          | 11          | 43          | 35          | 6/7  | 1             | white  |
| 89 140 306 | UWT-2 | 2x YDYp (3x2.5), (4x1.5)                  | 31          | 13          | 43          | 35          | 6/7  | 1             | white  |

### ▶ Hook type clips - UWH type



A hook clip for round cables. Made of polypropylene, used instead of FLOP clips. They are used in places where it is impossible to put a clip with a nail, but it is possible to drill a hole. Sometimes it replaces UWO and UWP clips.

| Cat. No.   | Type   | For cable type  | Size d (mm) | Size L (mm) | Size B (mm) | Size of a drill to make a hole for the clip (mm) | Package | Colour |
|------------|--------|---|-------------|-------------|-------------|--|---------|--------|
| 89 141 306 | UWH-10 | YDY (2x1.0), (2x1.5), (2x2.5), (3x1.0), (3x1.5), (3x2.5), (4x1.0) | 9           | 45          | 5           | 5  | 100     | white  |
| 89 142 306 | UWH-16 | YDY (3x6.0), (4x4.0), (4x6.0), (5x2.5), (5x4.0)                   | 13          | 60          | 6           | 6  | 100     | white  |

### ▶ hammered clips for round and flat cables - UWO, UWP type



A range of hammered clips for round (UWO) and flat (UWP) cables. Made of polypropylene, used mainly to fix cables to walls and floors. It is mostly used to hold a cable on the wall while coating a wall with roughcast, installing drywall or levelling the floor.

| Cat. No.   | Type   | For cable type    | Size d (mm) | Size L (mm) | Size b (mm) | Size of a drill to make a hole for the clip (mm) | Package | Colour |
|------------|--------|-------------------|-------------|-------------|-------------|--|---------|--------|
| 89 126 306 | UWO-6  | 6                 | 6           | 31          | -           | 5  | 100     | white  |
| 89 127 306 | UWO-8  | 8                 | 8           | 43          | -           | 6/7  | 100     | white  |
| 89 128 306 | UWO-10 | 10                | 10          | 43          | 33          | 6/7  | 100     | white  |
| 89 129 306 | UWO-12 | 12                | 12          | 49          | 35          | 7/9  | 50      | white  |
| 89 130 306 | UWO-14 | 14                | 14          | 49          | 32          | 7/9  | 50      | white  |
| 89 131 306 | UWO-16 | 16                | 16          | 58          | 40          | 7/9  | 50      | white  |
| 89 132 306 | UWO-18 | 18                | 18          | 58          | 40          | 7/9  | 50      | white  |
| 89 133 306 | UWO-20 | 20                | 20          | 58          | 37          | 7/9  | 50      | white  |
| 89 134 306 | UWP-2  | YDYp 3x1.0        | 11          | 43          | 34          | 6/7  | 100     | white  |
| 89 135 306 | UWP-3  | YDYp 3x1.5, 3x2.5 | 13          | 43          | 34          | 6/7  | 100     | white  |
| 89 136 306 | UWP-4  | YDYp 4x1.5, 4x2.5 | 16          | 43          | 34          | 6/7  | 100     | white  |
| 89 137 306 | UWP-5  | YDYp 5x1.5, 5x2.5 | 18          | 43          | 34          | 6/7  | 100     | white  |
| 89 138 306 | UWP-6  | YDYp 5x4, 5x6     | 25          | 43          | 34          | 8  | 50      | white  |

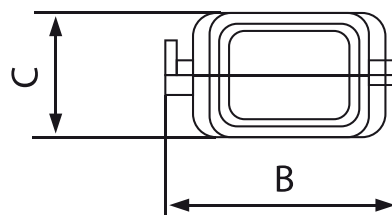
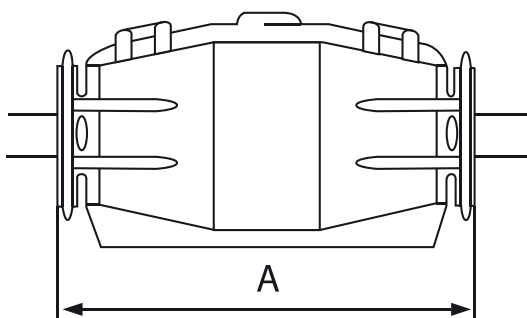
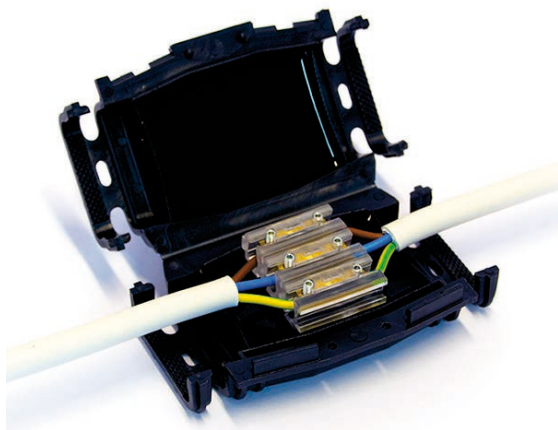


| Colour   Cat. no.                 | 1.5 ÷ 25 <sup>□</sup>    | 1.5 ÷ 50 <sup>□</sup>    | 10 ÷ 120 <sup>□</sup>    | 25 ÷ 185 <sup>□</sup>    | 6 ÷ 70 <sup>□</sup>      |
|-----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
|                                   | 82301007<br>(MBG0025A24) | 82302007<br>(MBG0030A24) | 82303007<br>(MBG0050A24) | 82304007<br>(MBG0050Y24) | 82305007<br>(MBG0100A24) |
| IP class                          | IP68                     | IP68                     | IP68                     | IP68                     | IP68                     |
| Operating temperature             | -20 °C do +90 °C         | -20 °C do +90 °C         | -20 °C do +90 °C         | -20 °C do +90 °C         | -20 °C do +90 °C         |
| Width (B)/ Height (C)/ Length (A) | 70 / 20 / 24 mm          | 100 / 59 / 34 mm         | 165 / 62 / 36 mm         | 220 / 100 / 50 mm        | 180 / 105 / 36mm         |
| Weight                            | 36 g                     | 158 g                    | 386 g                    | 825 g                    | 603 g                    |
| Package                           | 4 pcs                    | 5 pcs                    | 3 pcs                    | 1 piece                  | 1 piece                  |

**Application/Usage:** Gel joints guarantee insulation of connections or branchings of conductors/ low-voltage single- and multiwire cables from 0.6/1 kV. This group of products includes joints for line and branching connections. The line ones are used with single- and multiwire cables with 1x185 mm<sup>2</sup> and 4x25 mm<sup>2</sup> maximum cross-section. Branching ones work with 1x120 mm<sup>2</sup> and 4x10 mm<sup>2</sup> cables. In every type of joints phase insulation is acquired by using a special separator that is included in the set. There are also innovative modular connectors that can be used to connect max. 5 of 35 mm<sup>2</sup> conductors.

**Product features**

- Two-part polypropylene opening body with a patented waterproof system, with oblong ribs (1) used for storing insulating gel. On both ends of the joint there are special walls to stop the gel from getting out and to give waterproofness.
- Longitudinal movement of cables is limited due to extra ribs at both ends of the joint and due to the application of cable ties, which are added to every set.
- A patented separator, which consists of two plates with a blocking clip that allow two-side connections, and two protrusions to block the plates.
- At the ends of each joint there are two holes for fixing cable ties. The body of the joint can only be opened with tools compliant with CEI 64-8 standard.



Indicator lights are dedicated to signalling the condition of an electrical circuit. They consist of monochromatic or two-colour LEDs of 3, 5, 10 and 20 mm diameters, resistors, diodes and bezels.

They are an alternative to incandescent, neon and other lamps.

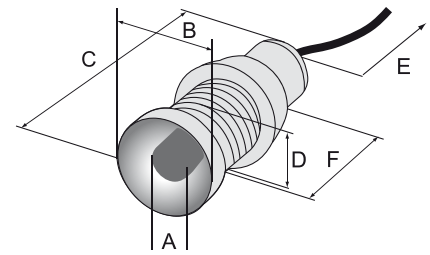
Details:

- long service life ( 6h per day = at least 12 years)
- high luminance
- resistant to electrical surge
- easy fixing
- low power consumption/input
- reliability

Class IP 20, LGY 0.5 mm<sup>2</sup> cable

It is possible to mount Klip 10 and Klip 20 indicators in  $\varnothing$  22 holes with the use of a PR 13/22 mounting adapter.

We can produce bezels in other colours ( on order: O (orange), B (blue) and W (white)) and in metallised bodies. There are also green and red light working alternately.



A - diode diameter  
 B - casing diameter  
 C - length of the body  
 D - diameter of a mounting slot  
 E - length of the cable  
 F - max. thickness of the mounting plate

▶ Indicator lights with a 3 mm bezel



| Colour   Cat. No.                  |   |               |   |
|------------------------------------|---|---------------|---|
| Green ●                            | 84 403 005                                | Klip 3G/24V ● | 84 503 005 Klip 3G/230V ●                 |
| Red ●                              | 84 403 001                                | Klip 3R/24V ● | 84 503 001 Klip 3R/230V ●                 |
| Yellow ●                           | 84 403 004                                | Klip 3Y/24V ● | 84 503 004 Klip 3Y/230V ●                 |
| Bezel diameter                     | 3 mm                                      |               | 3 mm                                      |
| Voltage                            | 12 ... 24 V AC/DC                         |               | 230 V AC/DC                               |
| Dimensions (A / B / C / D / E / F) | 3 / 8 / 23 / 6 / 300 / $\varnothing$ 8 mm |               | 3 / 8 / 23 / 6 / 300 / $\varnothing$ 8 mm |
| Max. current draw / power input    | 20 mA / 1 W                               |               | 5 mA / 1 W                                |
| Package                            | 10 pcs                                    |               | 10 pcs                                    |
| Brightness                         | 40-60 mcd ● 400-600 mcd ● 100-250 mcd ●   |               | 40-60 mcd ● 400-600 mcd ● 100-250 mcd ●   |
| Notes                              | Installation cables in two colours        |               | Installation cables in one colour         |

▶ Indicator lights with a 5 mm bezel



| Colour   Cat. No.                  |  |                 |  |
|------------------------------------|--|-----------------|--|
| Green ●                            | 84 405 005   | Klip 5G/24V ●   | 84 505 005 Klip 5G/230V ●  |
| Red ●                              | 84 405 001   | Klip 5R/24V ●   | 84 505 001 Klip 5R/230V ●  |
| Yellow ●                           | 84 405 004   | Klip 5Y/24V ●   | 84 505 004 Klip 5Y/230V ●  |
| Blue ●                             | 84 405 003   | Klip 5B/24V ●   | 84 505 003 Klip 5B/230V ●  |
| Orange ●                           | 84 405 008   | Klip 5O/24V ●   | 84 505 008 Klip 5O/230V ●  |
| White ○                            | 84 405 006   | Klip 5W/24V ○   | 84 505 006 Klip 5W/230V ○  |
| Red-Green ●●                       | 84 405 015   | Klip 5GR/24V ●● | 84 505 015 Klip5GR/230V ●●   |
| Bezel diameter                     | 5 mm   |                 | 5 mm   |
| Voltage                            | 12 ... 24 V AC/DC  |                 | 230 V AC/DC  |
| Dimensions (A / B / C / D / E / F) | 5 / 14 / 30 / 10 / 300 / $\varnothing$ 8 mm                              |                 | 5 / 14 / 30 / 10 / 300 / $\varnothing$ 8 mm                              |
| Max. current draw / power input    | 20 mA / 1 W  |                 | 5 mA / 1 W   |
| Package                            | 10 pcs   |                 | 10 pcs   |
| Brightness                         | 40-60 mcd ● 400-600 mcd ● 100-250 mcd ●<br>20-60 mcd ● / 1000-1500 mcd ● |                 | 40-60 mcd ● 400-600 mcd ● 100-250 mcd ●<br>20-60 mcd ● / 1000-1500 mcd ● |
| Notes                              | Installation cables in two colours                                       |                 | Installation cables in one colour  |

Multicolour indicator lamps have 3 power cables. Two in colours of glowing and third colour can be brown- for direct current or black for alternating current.

## ▶ Indicator lights with a 10 mm bezel



| Colour   Cat. No.                  |   |                 |   |                  |
|------------------------------------|---|-----------------|---|------------------|
| Green ●                            | 84 410 005  | Klp 10G/24V ●   | 84 510 005  | Klp 10G/230V ●   |
| Red ●                              | 84 410 001  | Klp 10R/24V ●   | 84 510 001  | Klp 10R/230V ●   |
| Yellow ●                           | 84 410 004  | Klp 10Y/24V ●   | 84 510 004  | Klp 10Y/230V ●   |
| Blue ●                             | 84 410 003  | Klp 10B/24V ●   | 84 510 003  | Klp 10B/230V ●   |
| Orange ●                           | 84 410 008  | Klp 10O/24V ●   | 84 510 008  | Klp 10O/230V ●   |
| White ○                            | 84 410 006  | Klp 10W/24V ○   | 84 510 006  | Klp 10W/230V ○   |
| Red-green ●●                       | 84 410 015  | Klp 10GR/24V ●● | 84 510 015  | Klp 10GR/230V ●● |
| Bezel diameter                     | 10 mm   |                 | 10 mm   |                  |
| Voltage                            | 12 ... 24 V AC/DC   |                 | 230 V AC/DC   |                  |
| Dimensions (A / B / C / D / E / F) | 10 / 22 / 40 / 13 / 300 / ø 10 mm                                       |                 | 10 / 22 / 40 / 13 / 300 / ø 10 mm                                       |                  |
| Max. current draw / power input    | 20 mA / 1 W   |                 | 5 mA / 1 W  |                  |
| Package                            | 10 pcs  |                 | 10 pcs  |                  |
| Brightness                         | 20-70 mcd ● 800-1200 mcd ● 20-50 mcd ●<br>20-60 mcd ● / 1000-1500 mcd ● |                 | 20-70 mcd ● 800-1200 mcd ● 20-50 mcd ●<br>20-60 mcd ● / 1000-1500 mcd ● |                  |
| Notes                              | Installation cables in two colours                                      |                 | Installation cables in one colours                                      |                  |

**Additional information:** Possibility of mounting of an indicator light in the slot of ø 22.5 with a PR 13/22. Multicolour indicator lamps have 3 power cables. Two in colours of glowing and the third colour can be brown- for direct current or black for alternating current.

## ▶ Indicator lights with a 20 mm bezel



| Colour   Cat. No.                  |  |                 |  |                  |
|------------------------------------|--|-----------------|--|------------------|
| Green ●                            | 84 420 005   | Klp 20G/24V ●   | 84 520 005   | Klp 20G/230V ●   |
| Red ●                              | 84 420 001   | Klp 20R/24V ●   | 84 520 001   | Klp 20R/230V ●   |
| Yellow ●                           | 84 420 004   | Klp 20Y/24V ●   | 84 520 004   | Klp 20Y/230V ●   |
| Blue ●                             | 84 420 003   | Klp 20B/24V ●   | 84 520 003   | Klp 20B/230V ●   |
| Orange ●                           | 84 420 008   | Klp 20O/24V ●   | 84 520 008   | Klp 20O/230V ●   |
| White ○                            | 84 420 006   | Klp 20W/24V ○   | 84 520 006   | Klp 20W/230V ○   |
| Red-green ●●                       | 84 420 015   | Klp 20GR/24V ●● | 84 520 015   | Klp 20GR/230V ●● |
| Bezel diameter                     | 20 mm  |                 | 20 mm  |                  |
| Voltage                            | 12 ... 24 V AC/DC  |                 | 230 V AC/DC  |                  |
| Dimensions (A / B / C / D / E / F) | 20 / 25 / 41 / 13 / 300 / ø 10 mm                                    |                 | 20 / 25 / 41 / 13 / 300 / ø 10 mm                                    |                  |
| Max. current draw / power input    | 20 mA / 1 W  |                 | 5 mA / 1 W   |                  |
| Package                            | 10 pcs   |                 | 10 pcs   |                  |
| Brightness                         | 20-70 mcd ● 800-1200 mcd ● 20-50 mcd ●<br>20-60 mcd ● / 60-100 mcd ● |                 | 20-70 mcd ● 800-1200 mcd ● 20-50 mcd ●<br>20-60 mcd ● / 60-100 mcd ● |                  |
| Notes                              | Installation cables in two colours                                   |                 | Installation cables in one colours                                   |                  |

**Additional information:** Possibility of mounting of an indicator light in the slot of ø 22.5 with a PR 13/22. Multicolour indicator lamps have 3 power cables. Two in colours of glowing and the third colour can be brown- for direct current or black for alternating current.

► SM50B/4P

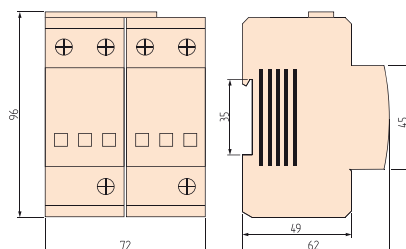


Electrical parameters

| Colour   Cat. No.                                      | 85 002 000   |
|--|--|
| Rated voltage AC (Un)                                  | 230 V  |
| Nominal discharge current 8/20 µs (In)                 | 50 kA  |
| Max. continuous voltage (Uc)                           | 275 V  |
| Max. discharge current (Imax)                          | 100 kA   |
| Lightning impulse current (10/350µs)                   | 12,5 kA  |
| Voltage protection level                               | ≤1,8 kV  |
| Response time (TA)                                     | ≤25 ns   |
| Permissible humidity (Rh)                              | ≤95%   |
| Insulation resistance (Risol)                          | > 10 <sup>3</sup> MΩ                                   |
| Max. back-up fuse gL/gG                                | 125 A  |
| Frequency (f)  | 40 ... 63 Hz   |
| Remote signalling of damage / contact / current rating | -  |
| Accordance with standards                              | IEC 61643-1:1998,<br>CE mark declaration of conformity |

Mechanical parameters

|  |                                       |
|--|---------------------------------------|
| Cross-section of wires used                |                                       |
| - solid                                    | 2,5 ... 35 mm <sup>2</sup>            |
| - flexible                                 | 2,5 ... 25 mm <sup>2</sup>            |
| Casing material                            | ABS colour Grey                       |
| Status indicator                           | optical                               |
| Mounting                                   | TS35 rail in accordance with EN 60715 |
| Operating temperature range T <sub>u</sub> | -40° ... +85°C                        |
| Protection class                           | IP20                                  |
| Thermal disconnecter                       | yes                                   |
| Cross-section of remote signalling         | -                                     |
| Package                                    | 1 piece                               |



Bezpieczeństwo  
Produkcja  
kontrolowana  
**SIMTEC**  
www.simtec.com

Varistor surge arresters are certified by TUV Rheinland to guarantee quality controlled directly in the production process. Maintaining proper technical parameters through the limiters is especially important. The reliability of these products for protection determines the safety of people and equipment.

▶ **SM20C 1P**



▶ **SM20C 4P**



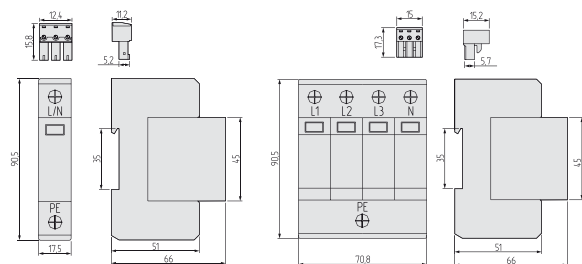
Electrical parameters

| Colour   Cat. No.                                      |  |  |
|--|--|--|
|  | <b>85 101 000</b>  | <b>85 102 000</b>  |
| Rated voltage AC (Un)                                  | 230 V  | 230 V  |
| Nominal discharge current 8/20 μs (In)                 | 20 kA  | 20 kA  |
| Max. continuous voltage (Uc)                           | 275 V  | 275 V  |
| Max. discharge current (Imax)                          | 40 kA  | 40 kA  |
| Voltage protection level                               | ≤ 1.2 kV   | ≤ 1.2 kV   |
| Response time (TA)                                     | ≤ 25 ns  | ≤ 25 ns  |
| Permissible humidity (Rh)                              | ≤95%   | ≤95%   |
| Insulation resistance (Risol)                          | > 10 <sup>3</sup> MΩ   | > 10 <sup>3</sup> MΩ   |
| Max. back-up fuse gL/gG                                | 125 A  | 125 A  |
| Frequency (f)  | 40 ... 63 Hz   | 40 ... 63 Hz   |
| Remote signalling of damage / contact / current rating | Yes / potential-free change-over/AC 250V/0,5A                        | Yes / potential-free change-over/AC 250V/0,5A                        |
| Accordance with standards                              | IEC 61643-11, E DIN VDE 0675 6-11, CE mark declaration of conformity | IEC 61643-11, E DIN VDE 0675 6-11, CE mark declaration of conformity |

Mechanical parameters

|  |   |   |
|--|---|---|
| Cross-section of wires used                |   |   |
| - solid                                    | 2,5 ... 35 mm <sup>2</sup>                        | 2,5 ... 35 mm <sup>2</sup>                        |
| - flexible                                 | 2,5 ... 25 mm <sup>2</sup>                        | 2,5 ... 25 mm <sup>2</sup>                        |
| Casing material                            | ABS grey colour                                   | ABS grey colour                                   |
| Status indicator                           | optical: Green/Red                                | optical: Green/Red                                |
| Mounting                                   | TS35 rail in accordance with EN 60715             | TS35 rail in accordance with EN 60715             |
| Operating temperature range T <sub>u</sub> | -40° ... +85°C                                    | -40° ... +85°C                                    |
| Protection class                           | IP20  | IP20  |
| Thermal disconnecter                       | yes   | yes   |
| Cross-section of remote signalling         | max 1,5 mm <sup>2</sup> solid wire, stranded wire | max 1,5 mm <sup>2</sup> solid wire, stranded wire |
| Package                                    | 1 piece   | 1 piece   |

▶ **SPD MM20C-275**



| Colour   Cat. No. |  |
|-------------------|--|
|                   | <b>85 101 012</b>  |
| Usage             | Varistor protection module for SIMTEC class C surge protection devices (for SM20C 1P and SM20C 4P) |
| Package           | 1 piece  |





Bezpieczeństwo  
Produkcja  
kontrolowana  
**SIMTEC**  
www.simtec.com

Varistor surge arresters are certified by TUV Rheinland to guarantee quality controlled directly in the production process. Maintaining proper technical parameters through the limiters is especially important. The reliability of these products for protection determines the safety of people and equipment.

▶ **ST30B+C1P**



▶ **ST30B+C4P**



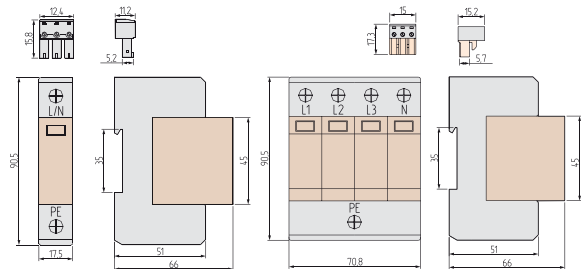
Electrical parameters

| Colour   Cat. No.                                      |  |  |
|--|--|--|
|  | <b>85 202 010</b>  | <b>85 201 010</b>  |
| Rated voltage AC (Un)                                  | 230V   | 230V   |
| Nominal discharge current 8/20 μs (In)                 | 30 kA  | 30 kA  |
| Max. continuous voltage (Uc)                           | 275V   | 275V   |
| Lightning impulse current (10/350μs)                   | 4,5 kA   | 18 kA  |
| Max. discharge current (Imax)                          | 60 kA  | 60 kA  |
| Voltage protection level                               | ≤ 1.5kV  | ≤ 1.5kV  |
| Response time (TA)                                     | ≤ 25 ns  | ≤ 25 ns  |
| Permissible humidity (Rh)                              | ≤95%   | ≤95%   |
| Insulation resistance (Risol)                          | > 10 <sup>3</sup> MΩ   | > 10 <sup>3</sup> MΩ   |
| Max. back-up fuse gL/gG                                | 160A   | 125A   |
| Frequency (f)  | 40 ... 63 Hz   | 40 ... 63 Hz   |
| Remote signalling of damage / contact / current rating | Yes / potential-free change-over/ AC 250V / 0,5A                       | Yes / potential-free change-over/ AC 250V / 0,5A                       |
| Accordance with standards                              | IEC 61643-11, E DIN VDE 0675 6-11<br>CE mark declaration of conformity | IEC 61643-11, E DIN VDE 0675 6-11<br>CE mark declaration of conformity |

Mechanical parameters

|  |   |   |
|--|---|---|
| Cross-section of wires used                |   |   |
| - solid                                    | 2,5 ... 35 mm <sup>2</sup>                        | 2,5 ... 35 mm <sup>2</sup>                        |
| - flexible                                 | 2,5 ... 25 mm <sup>2</sup>                        | 2,5 ... 25 mm <sup>2</sup>                        |
| Casing material                            | ABS Grey-orange colour                            | ABS Grey-orange colour                            |
| Status indicator                           | optical: Green/Red                                | optical: Green/Red                                |
| Mounting                                   | TS35 rail in accordance with EN 60715             | TS35 rail in accordance with EN 60715             |
| Operating temperature range T <sub>u</sub> | -40°... +85°C                                     | -40°... +85°C                                     |
| Protection class                           | IP20  | IP20  |
| Thermal disconnecter                       | yes   | yes   |
| Cross-section of remote signalling         | max 1,5 mm <sup>2</sup> solid wire, stranded wire | max 1,5 mm <sup>2</sup> solid wire, stranded wire |
| Package                                    | 1 piece   | 1 piece   |

▶ **STDMM30B+C-275**



| Colour   Cat. No. |  |
|-------------------|--|
|                   | <b>85 101 028</b>  |
| Usage             | Varistor protection module for SIMTEC class B+C surge protection devices (for SM30B+C 1P and SM30B+C 4P) |
| Package           | 1 piece  |

▶ SM10D/1P



▶ SM3D

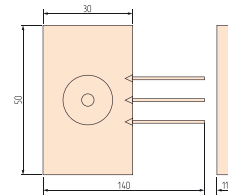
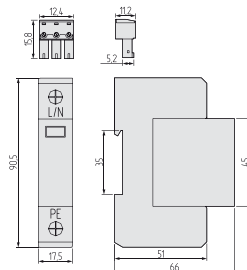


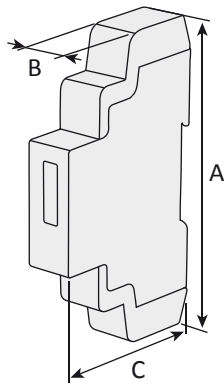
Electrical parameters

| Colour   Cat. No.                                      | 85 301 000  | 85 303 000           |
|--|---|----------------------|
| Rated voltage AC (Un)                                  | 275V  | 230V                 |
| Nominal discharge current 8/20 μs (In)                 | 10kA  | 1,5kA                |
| Max. continuous voltage (Uc)                           | 275V  | 255V                 |
| Max. discharge current (Imax)                          | 20kA  | 3kA                  |
| Voltage protection level                               | ≤1kV  | ≤1,5kV               |
| Response time (TA)                                     | ≤25 ns  | ≤25 ns               |
| Permissible humidity (Rh)                              | ≤95%  | ≤95%                 |
| Insulation resistance (Risol)                          | > 10 <sup>3</sup> MΩ  | > 10 <sup>3</sup> MΩ |
| Max. back-up fuse gL/gG                                | 80A   | 32A                  |
| Frequency (f)  | 40 ... 63 Hz  | 40 ... 63 Hz         |
| Remote signalling of damage / contact / current rating | Yes / potential-free change-over/ AC 230V / 0,5A                  | -                    |
| Accordance with standards                              | IEC 61643-11:2002 + A11:2007<br>CE mark declaration of conformity | -                    |

Mechanical parameters

|  |   |                            |
|--|---|----------------------------|
| Cross-section of wires used                |   |                            |
| - solid                                    | 2,5 ... 35 mm <sup>2</sup>                        | 2,5 ... 35 mm <sup>2</sup> |
| - flexible                                 | 2,5 ... 25 mm <sup>2</sup>                        | 2,5 ... 25 mm <sup>2</sup> |
| Casing material                            | ABS, grey colour                                  | ABS orange colour          |
| Status indicator                           | optical   | acoustic                   |
| Mounting                                   | TS 35 rail  | in a junction box          |
| Operating temperature range T <sub>u</sub> | -40°... +85°C                                     | -40°... +85°C              |
| Protection class                           | IP20  | IP20                       |
| Thermal disconnecter                       | yes   | yes                        |
| Cross-section of remote signalling         | max 1,5 mm <sup>2</sup> solid wire, stranded wire | 1                          |
| Package                                    | 1 piece   | 1 piece                    |





▶ LCD-1F



▶ LCD-3F/4M



| Colour   Cat. No.                  | NEW   | single-phase | NEW   | three-phase |
|------------------------------------|---|--------------|---|-------------|
|                                    | <b>85 401 000</b>   |              | <b>85 402 000</b>   |             |
| Clamps for power                   | line L: 1 (LIN), 3 (LOUT), line N: 4, 6   |              |   |             |
| Voltage                            | 230 V AC  |              | 3 x 230 V / 400 V AC  |             |
| Rated frequency                    | 50 / 60 Hz  |              | 50 / 60 Hz  |             |
| Number of clamps                   | 6   |              | 10  |             |
| Cross-section of remote signalling | 0,2 ÷ 6 mm <sup>2</sup>   |              | 4 ÷ 25 mm <sup>2</sup> (main connection),<br>min. 0,2 mm <sup>2</sup> (impulse output)  |             |
| Operating temperature              | -10°C ... +50°C   |              | -20°C ... +55°C   |             |
| Storage temperature                | -30°C ... +70°C   |              | -35°C ... +70°C   |             |
| Mounting of the body               | TH 35 rail (according to PN-EN 60715 ) or directly to the plate   |              | TH 35 rail (according to PN-EN 60715 ) or directly to the plate   |             |
| Protection class of the body       | IP20 (PN-EN 60529)  |              | IP20 (PN-EN 60529)  |             |
| Base current/max. current          | 5 A / 45 A  |              | 3 x 5A / 80 A   |             |
| Power consumption of the meter     | <2 W / 10 VA  |              | 2W / 10 VA  |             |
| Accuracy                           | class 1 (according to IEC62053-21)  |              | class 1 (according to IEC62053-21)  |             |
| Digital display/accuracy           | 5+2 digits / 0,01 kWh   |              | 6+2 digits / 0,01 kWh   |             |
| Pulse count signalling             | red LED   |              | red LED   |             |
| Impulse output SO+ SO-             | OC type (open collector)  |              | OC type (open collector)  |             |
| Voltage of power SO+ SO-           | 5 ÷ 27 V DC   |              | 5 ÷ 50 V DC   |             |
| Current of output SO+ SO-          | <27 mA  |              | < 50mA  |             |
| Impulse constant SO+ SO-           | 2000 imp. / kWh   |              | 1000 imp. / kWh   |             |
| Indication of power                | no signalling   |              | no signalling   |             |
| Dimensions A / B / C               | 112 / 18 / 65 mm  |              | 110 / 10 / 65 mm  |             |
| Package                            | 1 piece   |              | 1 piece   |             |
| For use with                       | LCD – 1F is a perfect device to work as a submeter of electric power for a single-phase alternating current. LED informs about the reading of the device and shows the results on an LCD screen. The LCD-1F submeter can be connected to a meter. The device has covers to its clamps so it is possible to seal them. |              | LCD – 3F/4M is a device to work as a submeter of electric power. It is used in the three-phase alternating current. LEDs inform about the reading of the device. They switch on with the beginning of power consumption of the connected device. The LCD screen shows the results of the reading. The meter has an additional impulse output and can be connected to another meter. The included covers can be used to protect the clamps, as well as to seal them. The LEDs light up when the load of the meter is at least 0,5 A. |             |



MID  
Measuring Instruments  
Directive

Devices are in accordance with the measuring instrument directive MID (Measuring Instruments Directive) no. 2004/22/WE applied in full range from 30.10.2016.

Unification of recommendations for measuring devices used in the European Union has created a requirement for homogeneous legal metrological control for type approval and primary verification.

Digital electricity meters Simlic series have the appropriate tests and documentation for evaluating this compatibility.

SIMLIC

▶ WN1



▶ IFS47/WN2



| Colour   Cat. No.   | NEW   | NEW   |
|---|---|---|
|   | <b>85 132 002</b>   | <b>85 133 002</b>   |
| Power supply  | 3 x 230/400V AC + N   |   |
| Operating temperature / protection class                    | -20 °C ... +55°C / IP20   | 3 x 230/400V AC / IP20  |
| Cross-section of wires used                                 | 4 x 4 mm <sup>2</sup>   | 3 x 2,5 mm <sup>2</sup>   |
| Dimensions  |   |   |
| Width / Height / Depth above the fastening on the TS35 rail | 18 mm / 86 mm / 66 mm   | 9 mm / 86 mm / 61 mm  |
| Packaging   | 1 piece   | 1 piece   |
| Usage   | <p>LED voltage indicator WN1 is used to signal the presence of voltage in a three-phase network with a neutral wire.</p> <p>It is mounted on a TS35 rail. Each phase corresponds to one light diode (L1, L2, L3). In case of phase loss the diode will turn off.</p> <p>At lower voltage, the diode glows fainter and turns off completely as voltage goes out. Most commonly used in low voltage installations for automatics and control systems.</p> | <ul style="list-style-type: none"> <li>• Voltage indicator IFS47/WN2 is used to signal the presence of voltage in a three-phase network. It is mounted on a TS 35 rail.</li> <li>• Each phase corresponds to one neon lamp. In case of phase loss the neon lamp will turn off.</li> <li>• At lower voltage, the lamp glows fainter and turns off completely as voltage goes out. Most commonly used in low voltage installations for automatics and control systems.</li> </ul> |

SIMLIC

▶ DZ1



| Colour   Cat. No  | NEW   |
|---|---|
|   | <b>85 130 002</b>   |
| Power supply  | 3 x 230/400V AC + N   |
| Operating temperature / protection class                    | -20 °C ... +55°C / IP20   |
| Protection class  | IP20  |
| Cross-section of wires used                                 | 2 x 4 mm <sup>2</sup>   |
| Dimensions  |   |
| Width / Height / Depth above the fastening on the TS35 rail | 19 mm / 82 mm / 59 mm   |
| Mounting  | TS35 rail   |
| Sound level   | 65 - 75 dB  |
| Ring tone   | continuous, buzzing   |
| Package   | 1 piece   |
| Usage   | <p>Modular bell for residential, office and industrial buildings. Designed for sound signalling, paging or information purposes. Tightness on IP20 level makes it possible to mount the bell indoors.</p> <p>It produces a standard (for this type of devices) continuous ear-friendly sound.</p> <p>It is mounted on a TS35 rail, this makes it possible to mount it in electrical enclosures, or in switchboards.</p> |

# JUNCTION BOXES



**ORANGE SERIES**  
(S60DFw)



**FOR POLYSTYRENE**  
(PST60)



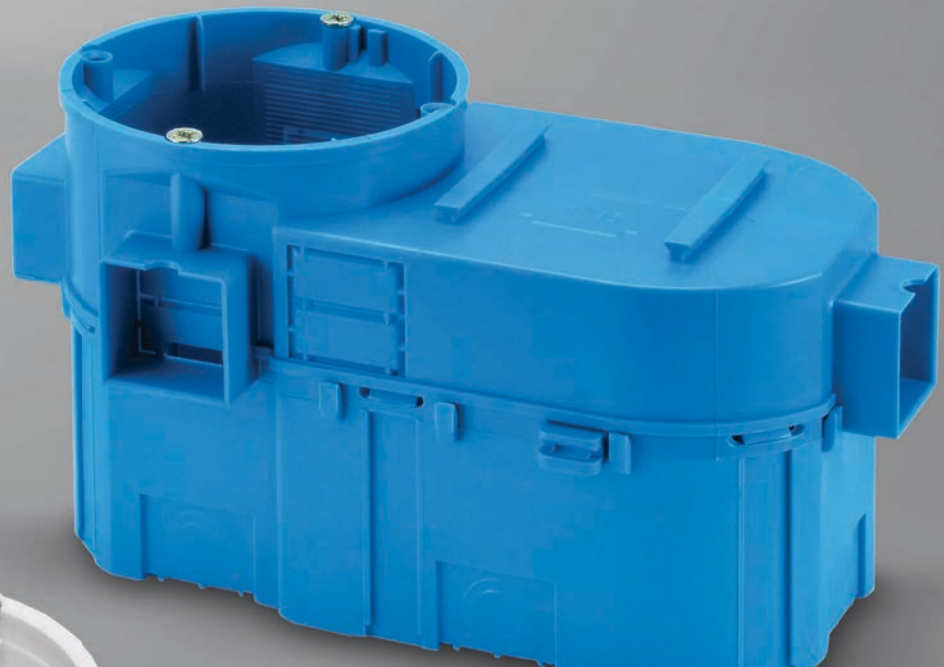
**SURFACE JUNCTION BOXES**  
(N6)



**BLUE SERIES**  
(P6X60D)



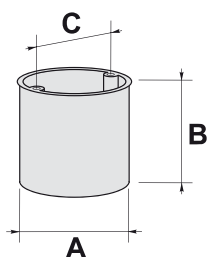
**WITH AIR TIGHTNESS**  
(E5000)



**FOR ELECTRONICS**  
(SE2X60G)



**ACCESSORIES FOR JUNCTION  
BOXES**  
(PD60x30)



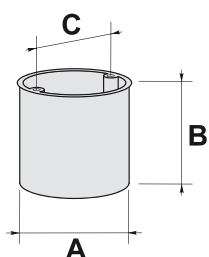
▶ ZZ60KFw



▶ ZZ60DFw



| Colour   Cat. No.                | shallow, combined, with screws 60 mm   | deep, combined, with screws 60 mm   |
|----------------------------------|--|---|
| Orange ● 33 263 008 ●            |  | 33 267 008 ●  |
| Dimensions                       |  |   |
| Outside diameter (A) / Depth (B) | 66 mm / 43 mm  | 66 mm / 63 mm   |
| Weight                           | 15 g   | 20 g  |
| Package                          | 80 pcs   | 50 pcs  |
| Material properties              | Heat resistance 650°C  | Heat resistance 650°C   |
| Additional features              | A flush wall box with a possibility to create blocks with standard frames of 71 mm spacings. To combine boxes in a series a KZ71 interconnector/tunnel connector should be used. The knockout for the connector has a diameter of 25 mm. |   |
| Accessories                      |  |   |
|                                  | Connector KZ71,<br>Extension rings PD60x12, PD60x24, PD60x30<br>Cover PL60, WS60<br>Signalling cover PS60<br>Screws W16, W25, W40  | Connector KZ71,<br>Extension rings PD60x12, PD60x24, PD60x30<br>Cover PL60, WS60<br>Signalling cover PS60<br>Screws W16, W25, W40 |



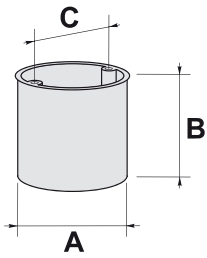
▶ Z60KF



▶ Z60KFw



| Colour   Cat. No.                | <b>NEW</b> shallow 60 mm  | <b>NEW</b> shallow, with screws 60 mm   |
|----------------------------------|---|---|
| Orange ● 33 048 008 ●            |   | 33 049 008 ●  |
| Dimensions                       |   |   |
| Outside diameter (A) / Depth (B) | 63 mm / 41 mm   | 63 mm / 41 mm   |
| Weight                           | 11.8 g  | 13.1 g  |
| Package                          | 80 pcs  | 80 pcs  |
| Material properties              | Heat resistance 650°C   | Heat resistance 650°C   |
| Additional features              | 4 knockouts for $\varnothing$ 20 mm conduits<br>Hole spacing for mounting - 60 mm (C)<br>Distance between the axes of drilling mounting holes - 71 mm | 4 knockouts for $\varnothing$ 20 mm conduits<br>Hole spacing for mounting - 60 mm (C)<br>Distance between the axes of drilling mounting holes - 71 mm<br>2 mounting screws in the set |
| Accessories                      |   |   |
|                                  | Extension rings PD60x12, PD60x24, PD60x30<br>Cover PL60 or WS60<br>Signalling cover PS60<br>Screws W16, W25, W40                                      | Extension rings PD60x12, PD60x24, PD60x30<br>Cover PL60 or WS60<br>Signalling cover PS60<br>Screws W16, W25, W40  |




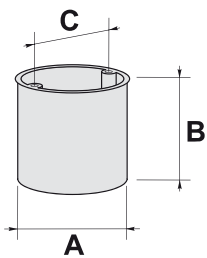
▶ Z60D



▶ Z60Dw



| Colour   Cat. No.   | deep 60 mm  | deep, with screws 60 mm   |
|---|---|---|
| Blue ● 34 033 203 ●   |   | 34 035 203 ●  |
| <b>Dimensions</b>   |   |   |
| Outside diameter (A) / Depth (B)  | 63 mm / 61 mm   | 63 mm / 61 mm   |
| Weight  | 21.4 g  | 22.7 g  |
| Package   | 50 pcs  | 50 pcs  |
| <b>Material properties</b>  | Self-extinguishing, halogen free, heat resistance 960 °C  | Self-extinguishing, halogen free, heat resistance 960 °C  |
| <b>Additional features</b>  | 6 knockouts for $\varnothing$ 20 conduits<br>1 knockout for $\varnothing$ 20 conduit in the bottom<br>Hole spacing for mounting - 60 mm (C)<br>Distance between the axes of drilling mounting holes - 71 mm | 6 knockouts for $\varnothing$ 20 conduits<br>1 knockout for $\varnothing$ 20 conduit in the bottom<br>Hole spacing for mounting - 60 mm (C)<br>Distance between the axes of drilling mounting holes - 71 mm<br>2 mounting screws in the set |
| <b>Accessories</b>  |   |   |
|  | Signalling cover PS60<br>Cover WS60 or PL60<br>Extension rings PD 60x12, PD 60x24, PD60x30<br>Screws W16, W25, W40  | Signalling cover PS60<br>Cover WS60 or PL60<br>Extension rings PD 60x12, PD 60x24, PD60x30<br>Screws W16, W25, W40  |



▶ Z60DF

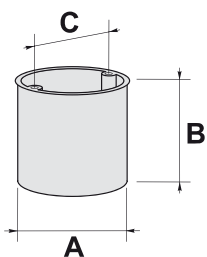


▶ Z60DFw



| Colour   Cat. No.   | deep 60 mm   | deep, with screws 60 mm  |
|---|--|--|
| Orange ● 33 033 008 ●   |  | 33 035 008 ●   |
| <b>Dimensions</b>   |  |  |
| Outside diameter (A) / Depth (B)  | 63 mm / 61 mm  | 63 mm / 61 mm  |
| Weight  | 21.4 g   | 20 g   |
| Package   | 50 pcs   | 50 pcs   |
| <b>Material properties</b>  | Heat resistance 650 °C   | Heat resistance 650 °C   |
| <b>Additional features</b>  | 6 knockouts for $\varnothing$ 20 mm conduits<br>1 knockout for $\varnothing$ 20 mm conduits in the bottom<br>Hole spacing for mounting - 60 mm (C)<br>Distance between the axes of drilling mounting holes - 71 mm | 6 knockouts for $\varnothing$ 20 mm conduits<br>1 knockout for $\varnothing$ 20 mm conduits in the bottom<br>Hole spacing for mounting - 60 mm (C)<br>Distance between the axes of drilling mounting holes - 71 mm<br>2 mounting screws in the set |
| <b>Accessories</b>  |  |  |
|  | Extension rings PD60x12, PD60x24, PD60x30<br>Cover PL60 or WS60<br>Screws W16, W25, W40  | Extension rings PD60x12, PD60x24, PD60x30<br>Cover PL60 or WS60<br>Screws W16, W25, W40  |





▶ S60K



▶ S60Kw

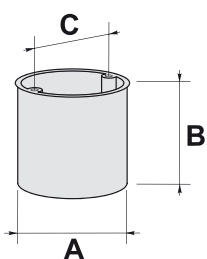


| Colour   Cat. No.                | shallow, serial 60 mm   | shallow, serial with screws 60 mm   |
|----------------------------------|---|---|
| Blue ● 34 054 203 ●              |   | 34 068 203 ●  |
| <b>Dimensions</b>                |   |   |
| Outside diameter (A) / Depth (B) | 65 mm / 41 mm   | 65 mm / 41 mm   |
| Weight                           | 18.3 g  | 19.6 g  |
| Package                          | 100 pcs   | 100 pcs   |
| <b>Material properties</b>       | Self-extinguishing, halogen free, heat resistance 960 °C  | Self-extinguishing, halogen free, heat resistance 960 °C  |
| <b>Additional features</b>       | 8 knockouts for $\varnothing$ 20 conduits.<br>Hole spacing for mounting - 60 mm (C)<br>Distance between the axes of drilling mounting holes - 71 mm | 8 knockouts for $\varnothing$ 20 conduits.<br>Hole spacing for mounting - 60 mm (C)<br>Distance between the axes of drilling mounting holes - 71 mm<br>2 mounting screws in the set |
| <b>Accessories</b>               |   |   |
|                                  | Signalling cover PS60<br>Cover WS60, PL60,<br>Interconnector KD12<br>Extension rings PD60x12, PD60x24, PD60x30<br>Screws W16, W25, W40              | Signalling cover PS60<br>Cover WS60, PL60,<br>Interconnector KD12<br>Extension rings PD60x12, PD60x24, PD60x30<br>Screws W16, W25, W40  |

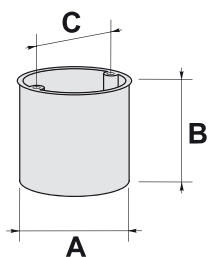
▶ S60KF



▶ S60KFw



| Colour   Cat. No.                | shallow, serial 60 mm   | shallow, serial with screws 60 mm   |
|----------------------------------|---|---|
| Orange ● 33 054 008 ●            |   | 33 068 008 ●  |
| <b>Dimensions</b>                |   |   |
| Outside diameter (A) / Depth (B) | 65 mm / 41 mm   | 65 mm / 41 mm   |
| Weight                           | 17.7 g  | 19 g  |
| Package                          | 100 pcs   | 100 pcs   |
| <b>Material properties</b>       | Heat resistance 650 °C  | Heat resistance 650 °C  |
| <b>Additional features</b>       | 8 knockouts for $\varnothing$ 20 mm conduits<br>Hole spacing for mounting - 60 mm (C)<br>Distance between the axes of drilling mounting holes - 71 mm | 8 knockouts for $\varnothing$ 20 mm conduits<br>Hole spacing for mounting - 60 mm (C)<br>Distance between the axes of drilling mounting holes - 71 mm<br>2 mounting screws in the set |
| <b>Accessories</b>               |   |   |
|                                  | Interconnector KD12<br>Extension rings PD60x12, PD60x24, PD60x30<br>Cover PL60<br>Signalling cover PS60<br>Screws W16, W25, W40                       | Interconnector KD12<br>Extension rings PD60x12, PD60x24, PD60x30<br>Cover PL60<br>Signalling cover PS60<br>Screws W16, W25, W40   |




## ▶ S60D



## ▶ S60Dw

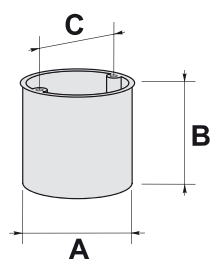



| Colour   Cat. No.   | deep, serial 60 mm  | deep, serial with screws 60 mm  |
|---|---|---|
| Blue ● 34 057 203 ●   |   | 34 069 203 ●  |
| <b>Dimensions</b>   |   |   |
| Outside diameter (A) / Depth (B)  | 65 mm / 61 mm   | 65 mm / 61 mm   |
| Weight  | 26.7 g  | 28 g  |
| Package   | 110 pcs   | 110 pcs   |
| <b>Material properties</b>  | Self-extinguishing, halogen free, heat resistance 960 °C  | Self-extinguishing, halogen free, heat resistance 960 °C  |
| <b>Additional features</b>  | 14 knockouts for $\varnothing$ 20 conduits<br>1 knockout for $\varnothing$ 18 conduits in the bottom<br>Hole spacing for mounting - 60 mm (C)<br>Distance between the axes of drilling mounting holes - 71 mm | 14 knockouts for $\varnothing$ 20 conduits<br>1 knockout for $\varnothing$ 18 conduits in the bottom<br>Hole spacing for mounting - 60 mm (C)<br>Distance between the axes of drilling mounting holes - 71 mm<br>2 mounting screws in the set |
| <b>Accessories</b>  |   |   |
|  | Signalling cover PS60<br>Cover WS60, PL60, Interconnector KD12<br>Extension rings PD60x12, PD60x24<br>Screws W16, W25, W40  | Signalling cover PS60<br>Cover WS60, PL60, Interconnector KD12<br>Extension rings PD60x12, PD60x24<br>Screws W16, W25, W40  |

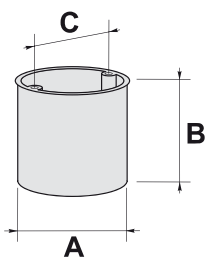
## ▶ S60DF



## ▶ S60DFw



| Colour   Cat. No.   | deep, serial 60 mm  | deep, serial with screws 60 mm  |
|---|---|---|
| Orange ● 33 057 008 ●   |   | 33 069 008 ●  |
| <b>Dimensions</b>   |   |   |
| Outside diameter (A) / Depth (B)  | 65 mm / 61 mm   | 65 mm / 61 mm   |
| Weight  | 21 g  | 22.3 g  |
| Package   | 110 pcs   | 110 pcs   |
| <b>Material properties</b>  | Heat resistance 650 °C  | Heat resistance 650 °C  |
| <b>Additional features</b>  | 14 knockouts for $\varnothing$ 20 mm conduits<br>Hole spacing for mounting - 60 mm (C)<br>Distance between the axes of drilling mounting holes - 71 mm. A new special construction with additional rectangular knockouts and connectors to increase stiffness | 14 knockouts for $\varnothing$ 20 mm conduits<br>Hole spacing for mounting - 60 mm (C)<br>Distance between the axes of drilling mounting holes - 71 mm<br>2 mounting screws in the set. A new special construction with additional rectangular knockouts and connectors to increase stiffness |
| <b>Accessories</b>  |   |   |
|  | Interconnector KD12<br>Extension rings PD60x12, PD60x24, PD60x30<br>Cover PL60, Signalling cover PS60<br>Screws W16, W25, W40   | Interconnector KD12<br>Extension rings PD60x12, PD60x24, PD60x30<br>Cover PL60, Signalling cover PS60<br>Screws W16, W25, W40   |



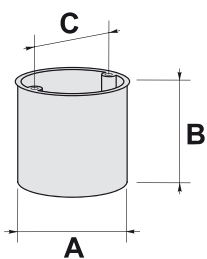
▶ S60G



▶ S60Gw



| Colour   Cat. No.                | extra deep (80 mm) serial 60 mm   | extra deep (80 mm) serial with screws 60 mm   |
|----------------------------------|---|---|
| Blue ● 34 008 203 ●              |   | 34 009 203 ●  |
| <b>Dimensions</b>                |   |   |
| Outside diameter (A) / Depth (B) | 62 mm / 81 mm   | 62 mm / 81 mm   |
| Weight                           | 35 g  | 35 g  |
| Package                          | 40 pcs  | 40 pcs  |
| <b>Material properties</b>       | Self-extinguishing, halogen free, heat resistance 960 °C  | Self-extinguishing, halogen free, heat resistance 960 °C  |
| <b>Additional features</b>       | A box with special rectangular knockouts and large surfaces to break out<br>Hole spacing for mounting - 60 mm (C)<br>Distance between the axes of drilling mounting holes - 71 mm | A box with special rectangular knockouts and large surfaces to break out<br>Hole spacing for mounting - 60 mm (C)<br>Distance between the axes of drilling mounting holes - 71 mm<br>2 mounting screws in the set |
| <b>Accessories</b>               |   |   |
|                                  | Signalling cover PS60<br>CoverW60 or PL60, Interconnector KD 12<br>Extension rings PD60x12, PD60x24, PD60x30<br>Screws W16, W25, W40  | Signalling cover PS60<br>CoverW60 or PL60, Interconnector KD 12<br>Extension rings PD60x12, PD60x24, PD60x30<br>Screws W16, W25, W40  |



▶ S60GF



▶ S60GFw



| Colour   Cat. No.                | NEW   | extra deep (80 mm) serial 60 mm | NEW   | extra deep (80 mm) serial with screws 60 mm |
|----------------------------------|---|---------------------------------|---|---|
| Orange ● 33 008 008 ●            |   |                                 | 33 009 008 ●  |   |
| <b>Dimensions</b>                |   |                                 |   |   |
| Outside diameter (A) / Depth (B) | 62 mm / 81 mm   |                                 | 62 mm / 81 mm   |   |
| Weight                           | 11.8 g  |                                 | 13.1 g  |   |
| Package                          | 40 pcs  |                                 | 40 pcs  |   |
| <b>Material properties</b>       | Heat resistance 650 °C  |                                 | Heat resistance 650 °C  |   |
| <b>Additional features</b>       | A box with special rectangular knockouts and large surfaces to break out<br>Hole spacing for mounting - 60 mm (C)<br>Distance between the axes of drilling mounting holes - 71 mm |                                 | A box with special rectangular knockouts and large surfaces to break out<br>Hole spacing for mounting - 60 mm (C)<br>Distance between the axes of drilling mounting holes - 71 mm<br>2 mounting screws in the set |   |
| <b>Accessories</b>               |   |                                 |   |   |
|                                  | Signalling cover PS60<br>Cover WS60 or PL60, Interconnector KD12<br>Extension rings PD60x12, PD60x24, PD60x30<br>Screws W16, W25, W40   |                                 | Signalling cover PS60<br>Cover WS60 or PL60, Interconnector KD12<br>Extension rings PD60x12, PD60x24, PD60x30<br>Screws W16, W25, W40   |   |

Multiwall

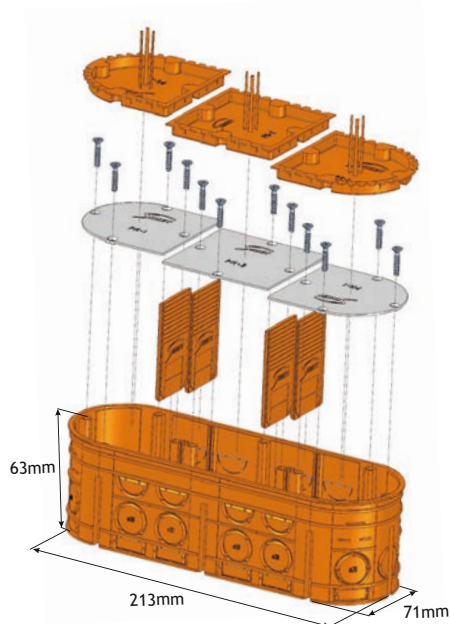
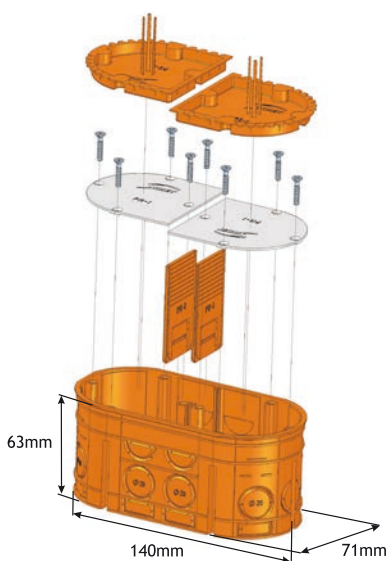
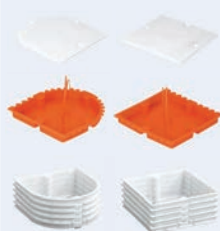
▶ M2x60F



▶ M3x60F



| Colour   Cat. No.                | 2-pole 2x60 mm  | 3-pole 3x60 mm  |
|----------------------------------|---|---|
| Orange ● 33 160 008 ●            |   | 33 167 008 ●  |
| Dimensions                       |   |   |
| Outside diameter (A) / Depth (B) | 71 mm / 63 mm   | 71 mm / 63 mm   |
| Weight                           | 54 g  | 86 g  |
| Package                          | 37 pcs  | 24 pcs  |
| Material properties              | Heat resistance 650 °C  | Heat resistance 650 °C  |
| Additional features              | Hole spacing for mounting - 60 mm<br>There are 4 screws and 2 removable half-partitions included. The partitions have a knockout in the lower part to let conductors through.   | Hole spacing for mounting - 60 mm<br>There are 6 screws and 4 removable half-partitions included. The partitions have a knockout in the lower part to let conductors through. |
| Accessories                      | <p><b>PM1 closing cover</b> (used for closing outermost poles of the box – when it is used for installing equipment, with enlarged space inside.) The cover is put on the upper rim level so it does not stick out of the mounted box.</p> <p><b>PM2 closing cover</b> (used for closing the central part of the box, with a set of 2 covers the whole space of the box can be closed).</p> <p><b>PS1 and PS2 cover</b> indicating location (two outermost covers and one central cover close the space of the box for plaster works.)</p> <p><b>Extension rings PDM60Z, PDM60W</b> designed for making junction boxes from Multiwall and Multibox2 series deeper. Mounting by screws directly to the body of the box. Extension rings can be shortened by cutting the ribs spaced every 6 mm. The rings can be closed with PM1 and PM2 covers. For plastering works you can also use PS1 and PS2 signalling covers.</p> <p><b>Screws W16, W25, W40</b></p> |   |



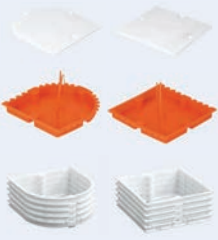
**Multiwall**

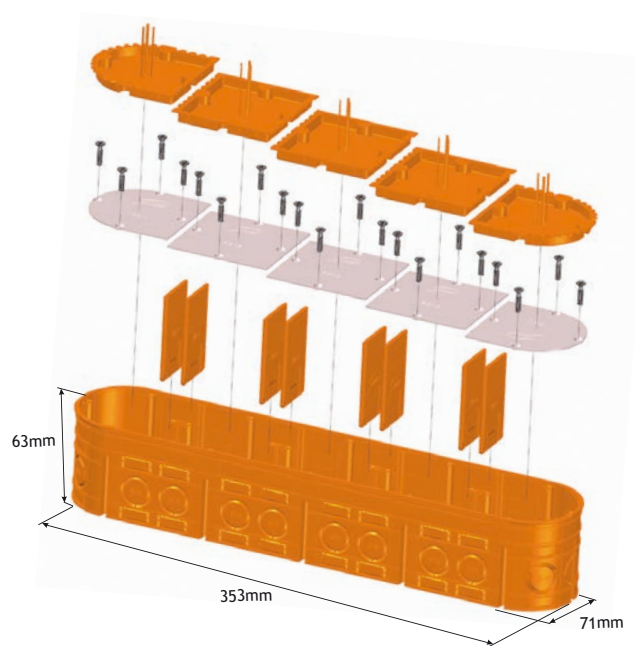
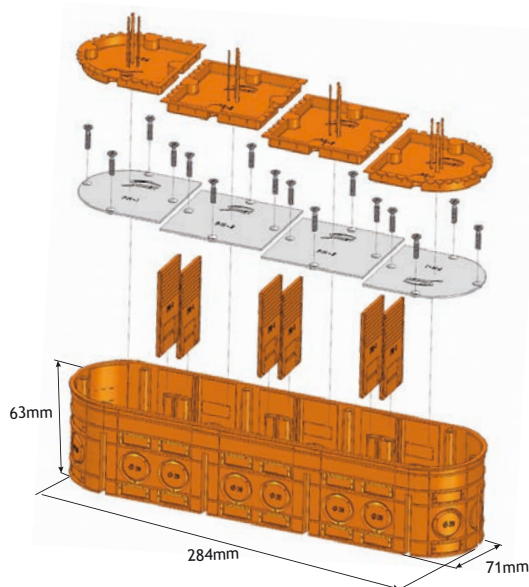
▶ **M4x60F**



▶ **M5x60F**



| Colour   Cat. No.                | 4-pole <b>4x60 mm</b>  | 5-pole <b>5x60 mm</b>   |
|----------------------------------|--|---|
| Orange ● <b>33 170 008</b> ●     |  | <b>33 172 008</b> ●   |
| Dimensions                       |  |   |
| Outside diameter (A) / Depth (B) | 71 mm / 63 mm  | 71 mm / 63 mm   |
| Weight                           | 119 g  | 148 g   |
| Package                          | 18 pcs   | 15 pcs  |
| Material properties              | Heat resistance 650 °C   | Heat resistance 650 °C  |
| Additional features              | Hole spacing for mounting - 60 mm<br>There are 8 screws and 6 removable half-partitions included. The partitions have a knockout in the lower part to let conductors through. There are many knockouts in the walls to connect conduits of $\varnothing$ 20 mm.  | Hole spacing for mounting - 60 mm<br>There are 8 screws and 6 removable half-partitions included. The partitions have a knockout in the lower part to let conductors through. There are many knockouts in the walls to connect conduits of $\varnothing$ 20 mm. |
| Accessories                      |  <p><b>PM1 PM1 closing cover</b> (used for closing outermost poles of the box – when it is used for installing equipment, with enlarged space inside.) The cover is put on the upper rim level so it does not stick out of the mounted box.<br/> <b>PM2 closing cover</b> (used for closing the central part of the box, with a set of 2 covers the whole space of the box can be closed).<br/> <b>PS1 and PS2</b> cover indicating location (two outermost covers and one central cover close the space of the box for plaster works.)<br/> <b>Extension rings PDM60Z, PDM60W</b> designed for making junction boxes from Multiwall and Multibox2 series deeper. Mounting by screws directly to the body of the box. Extension rings can be shortened by cutting the ribs spaced every 6 mm. The rings can be closed with PM1 and PM2 covers. For plastering works you can also use PS1 and PS2 signaling covers.<br/> <b>Screws W16, W25, W40</b></p> |   |

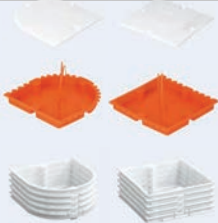


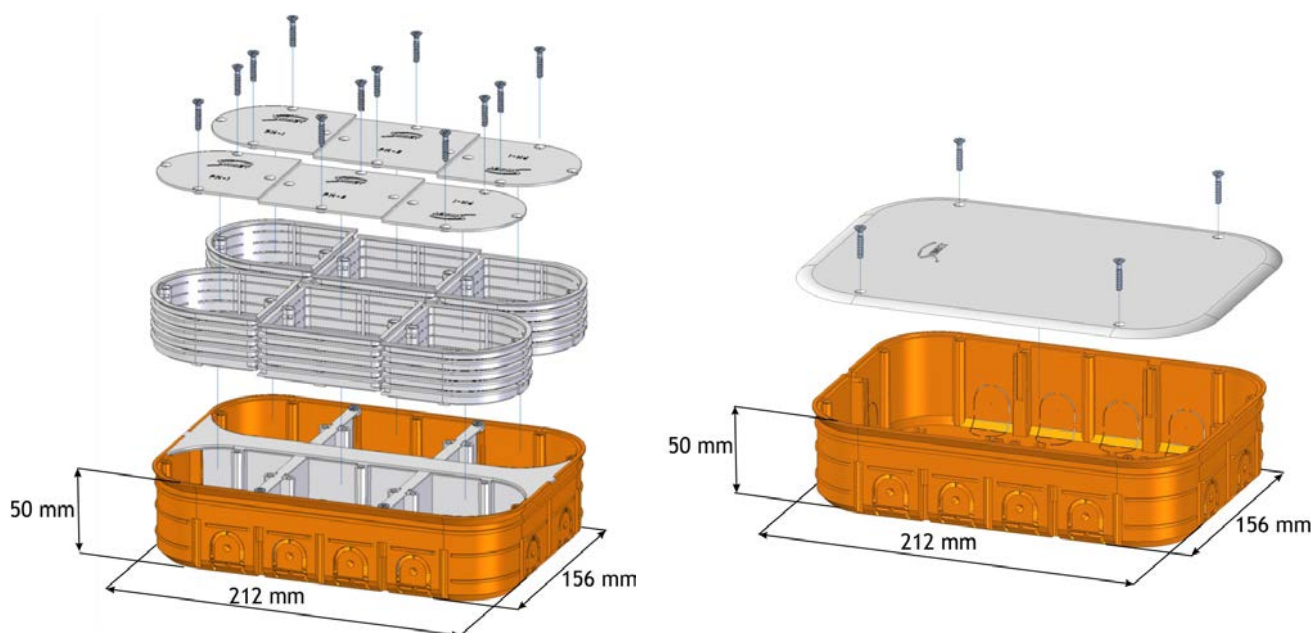
## ▶ M6x60F

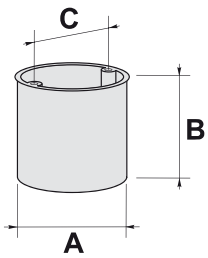


## ▶ M6x60FP



| Colour   cat. no.                 | 6-poles 6x60 mm  | with a cover 171x229x52 mm   |
|-----------------------------------|--|--|
| Orange ● 33 310 008 ●             |  | 33 312 008 ●   |
| Dimensions                        |  |  |
| Width (W)/ Length (L)/ Height (H) | 212 / 156 / 50 mm  | 212 / 156 / 55 mm (with a cover)   |
| Weight                            | 211 g  | 200 g  |
| Package                           | 9 szt.   | 9 szt.   |
| Heat resistance                   | Heat resistance 650°C  | Heat resistance 650°C  |
| Additional features               | Flush mounted junction box from the Multiwall series with 6 poles to mount electrotechnical equipment. A fixture is mounted with two 3-pole frames with a 71 mm module. Most types of frames work with this spacing between the poles.   | A large box for mounting electrical and electronic elements. This box is equipped with a cover fixed with 4 acid-proof screws. |
| Accessories                       |  <p><b>PM1 closing cover</b> - used for closing outermost poles of the box – when it is used for installing equipment, with enlarged space inside. The cover is put on the upper rim level so it does not stick out of the mounted box.</p> <p><b>PM2 closing cover</b> - used for closing the central part of the box - with a set of 2 PM1 covers - the whole space of the box can be closed.</p> <p><b>Extension rings PDM60Z, PDM60W</b> for making junction boxes from Multiwall and Multibox2 series deeper. Mounting by screws directly to the body of the box. Extension rings can be shortened by cutting the ribs spaced every 6 mm. When the rings are used, boxes can be closed with PM1 and PM2 covers. You can also use PS1 and PS2 signalling covers.</p> <p><b>Screws W16, W25, W40</b> – an alternative to screw fixtures to a box. W16 to screw fixture additionally with 4 screws. W25 and W40 – when the box is mounted deeper, to screw the fixture.</p> |  |





► E106-2K



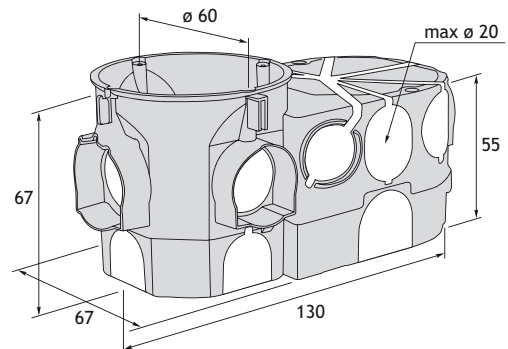
► E107-2K



| Colour   Cat. No.                | shallow, serial with membranes 60 mm   | deep, serial with membranes 60 mm  |
|----------------------------------|--|--|
| Black ● 83 106 007 ●             | 83 107 007 ●   |  |
| Dimensions                       |  |  |
| Outside diameter (A) / Depth (B) | 62 mm / 45 mm  | 62 mm / 62 mm  |
| Weight                           | 22 g   | 28 g   |
| Package                          | 20 pcs   | 20 pcs   |
| Material properties              | Self-extinguishing, halogen free, heat resistance 650 °C   | Self-extinguishing, halogen free, heat resistance 650 °C   |
| Additional features              | Certificate VDE, Hole spacing for mounting (C)<br>There are locations where you need to avoid problematic air circulations in an electric installation because of the energetic efficiency or because of the requirements of a clean room and hygiene, that is, you need air tightness. Cables and conduits can be let in through the membrane without any tools which saves our time. These solutions are applied in the construction: 4 holes for mounting screws, 2 membrane holes of 20 mm diameter, 4 holes of 25 mm. Halogen-free, fire resistance up to 650 °C. A box for a 71 mm frame module. | Certificate VDE, Hole spacing for mounting (C)<br>There are locations where you need to avoid problematic air circulations in an electric installation because of the energetic efficiency or because of the requirements of a clean room and hygiene, that is, you need air tightness. Cables and conduits can be let in through the membrane without any tools which saves our time. These solutions are applied in the construction: 4 holes for mounting screws, 2 membrane holes of 20 mm diameter, 4 holes of 25 mm. Halogen-free, fire resistance up to 650 °C. A box for a 71 mm frame module. |
| Accessories                      | Signalling cover PS60, Cover PL60, WS60<br>Extension rings PD60x12, PD60x24, PD60x30<br>Mounting holder E104, Screws W16, W25, W40   | Signalling cover PS60, Cover PL60, WS60<br>Extension rings PD60x12, PD60x24, PD60x30<br>Mounting holder, Screws W16, W25, W40  |



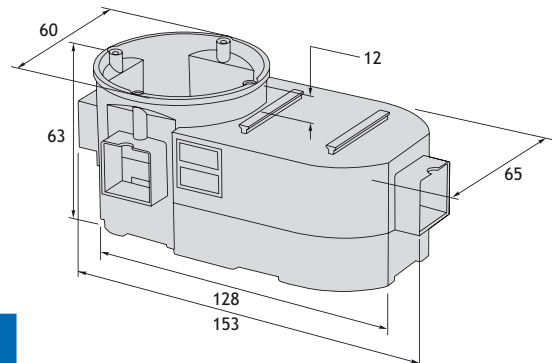
► E550



| Colour   Cat. No.                | shallow, serial, for electronic 60 mm   |
|----------------------------------|---|
| Black ● 83 112 007 ●             |   |
| Dimensions                       |   |
| Outside diameter (A) / Depth (B) | 2 x 68 mm / 67 mm   |
| Weight                           | 37 g  |
| Package                          | 10 pcs  |
| Material properties              | Heat resistance 650 °C  |
| Additional features              | Certificate VDE<br>Hole spacing for mounting - 60 mm<br>An electronics box (shoe-shaped) for mounting electrical components. Flexible membranes (Ø 16 and 20 mm) make it easy to insert conductors and conduits. Halogen-free product. The second half of the box has a knockout to create an additional pole/gang or to give access to the inside. |
| Accessories                      | Cover PL60, Extension ring PD60x30<br>Screws W16, W25, W40  |



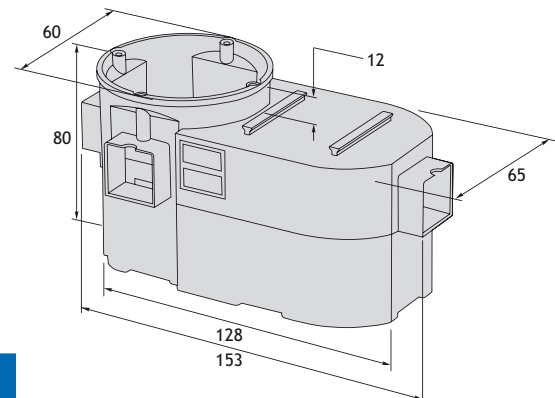
## ▶ SE2x60



|                     |  |
|---------------------|--|
| Colour   Cat. No.   | shallow, serial, for electronics <b>2x60 mm</b>  |
| Blue ●              | <b>34 117 203 ●</b>  |
| Weight              | 53.7 g   |
| Package             | 10 pcs   |
| Material properties | Self-extinguishing, halogen free, heat resistance 960 °C, acid-proof screws  |
| Additional features | Conduits in the bottom and walls rectangular knockouts for flat conductors   |
| Accessories         |  |
|                     | Extension ring PD60x12, PD60x24, PD60x30<br>Interconnector KD12, Cover PL60 or WS60<br>Signalling cover PS60<br>Screws W16, W25, W40 |

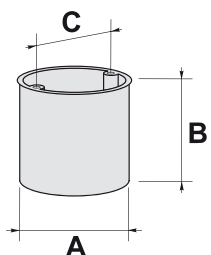
SE2x60 and SE2x60G boxes are prepared to mount specialized electric and electronic devices. The inside was widened to make it possible to put extra elements next to the built-up collar of a box of a steering device. There is also a possibility to use the whole interior of a box for putting different devices in it. The box is closed with a PL60 cover. The box has a serial construction and can be combined into multiple blocks. It is made of two separate elements that are put together by catches. This gives a possibility to mount larger elements inside. To connect electronic conductors it is advisable to use an LPA12-1.5 connector strip with a pad (page 55).

## ▶ SE2x60G



|                     |   |
|---------------------|---|
| Colour   Cat. No.   | extra deep serial, for electronics <b>2x60 mm</b>   |
| Blue ●              | <b>34 159 203 ●</b>   |
| Weight              | 65 g  |
| Package             | 5 pcs   |
| Material properties | Self-extinguishing, halogen free, heat resistance 960 °C, acid-proof screws   |
| Additional features | Conduits in the bottom and walls rectangular knockouts for flat conductors  |
| Accessories         |   |
|                     | Extension ring PD60x12, PD60x24, PD60x30<br>Interconnector KD12, Cover PL60 or WS60<br>Signalling cover PS60,<br>Screws W16, W25, W40 |






▶ Z70K



▶ Z70KF

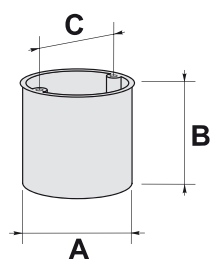


| Colour   Cat. No.   | NEW  | with a cover 70 mm | NEW  | with a cover 70 mm |
|---|--|--------------------|--|--------------------|
| Blue ●  | 34 036 203 ●   |                    |  |                    |
| Orange ●  |  |                    | 33 036 008 ●   |                    |
| Dimensions  |  |                    |  |                    |
| Outside diameter (A) / Depth (B)  | 75 mm / 49 mm  |                    | 75 mm / 51 mm  |                    |
| Weight  | 24 g   |                    | 28 g   |                    |
| Package   | 40 pcs   |                    | 40 pcs   |                    |
| Material properties   | Self-extinguishing, halogen free, heat resistance 960 °C   |                    | Heat resistance 650 °C   |                    |
| Additional features   | 6 knockouts for $\varnothing$ 20 conduits<br>2 knockouts for $\varnothing$ 20 conduits in the bottom<br>Hole spacing for mounting - 70 mm (C)<br>Distance between the axes of drilling mounting holes - 81 mm<br>Cover included in the set |                    | 6 knockouts for $\varnothing$ 20 conduits<br>2 knockouts for $\varnothing$ 20 conduits in the bottom<br>Hole spacing for mounting - 70 mm (C)<br>Distance between the axes of drilling mounting holes - 81 mm<br>Cover included in the set |                    |
| Accessories   |  |                    |  |                    |
|  | Extension rings PD70x12, PD70x24<br>Signalling cover E121<br>Cover WS70/80   |                    | Extension rings PD70x12, PD70x24   |                    |

▶ Z80K



▶ Z80KF



| Colour   Cat. No.   | NEW  | with a cover 80 mm | NEW   | with a cover 80 mm |
|---|--|--------------------|---|--------------------|
| Blue ●  | 34 073 203 ●   |                    |   |                    |
| Orange ●  |  |                    | 33 073 008 ●  |                    |
| Dimensions  |  |                    |   |                    |
| Outside diameter (A) / Depth (B)  | 85 mm / 50 mm  |                    | 83 mm / 52 mm   |                    |
| Weight  | 45 g   |                    | 50 g  |                    |
| Package   | 36 pcs   |                    | 36 pcs  |                    |
| Material properties   | Self-extinguishing, halogen free, heat resistance 960 °C   |                    | Heat resistance 650 °C  |                    |
| Additional features   | 6 knockouts for $\varnothing$ 20 mm conduits<br>2 knockouts for $\varnothing$ 20 mm conduits in the bottom<br>Hole spacing for mounting - 80 mm (C)<br>Distance between the axes of drilling mounting holes - 92 mm<br>Cover included in the set |                    | 6 knockouts for $\varnothing$ 20 mm conduits<br>1 knockout for $\varnothing$ 20 mm conduits in the bottom<br>Hole spacing for mounting - 80 mm<br>Distance between the axes of drilling mounting holes - 92 mm<br>Cover included in the set |                    |
| Accessories   |  |                    |   |                    |
|  | Cover WS70/80  |                    |   |                    |

## ▶ E140



| Colour   Cat. no.   | <b>NEW</b>   | with a cover <b>80x80x50 mm</b> |
|---------------------|--|---------------------------------|
|                     | <b>83140002</b>  |                                 |
| Dimensions          | 80 / 80 / 50 mm  |                                 |
| Weight              | 44 g   |                                 |
| Package             | 20 pcs   |                                 |
| Heat resistance     | Heat resistance 650°C  |                                 |
| Additional features | Inflexible box with a cover fixed with 2 screws. It has knockouts for 20 mm conduits and for round cables. |                                 |

## ▶ E141

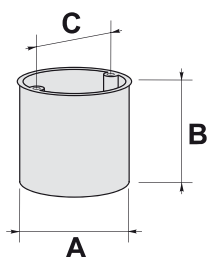


| Colour   Cat. no.   | <b>NEW</b>  | with a cover <b>100x100x50 mm</b> |
|---------------------|---|-----------------------------------|
|                     | <b>83141002</b>   |                                   |
| Dimensions          | 100 / 100 / 50 mm   |                                   |
| Weight              | 59 g  |                                   |
| Package             | 20 pcs  |                                   |
| Heat resistance     | Heat resistance 650°C   |                                   |
| Additional features | Inflexible box with a cover fixed with 2 screws. It has knockouts for 16, 20 and 25 mm conduits and for round cables. |                                   |

## ▶ E142



| Colour   Cat. no.   | <b>NEW</b>  | with a cover <b>150x150x60 mm</b> |
|---------------------|---|-----------------------------------|
|                     | <b>83142002</b>   |                                   |
| Dimensions          | 150 / 150 / 60 mm   |                                   |
| Weight              | 200 g   |                                   |
| Package             | 20 pcs  |                                   |
| Heat resistance     | Heat resistance 650°C   |                                   |
| Additional features | Inflexible box with a cover fixed with 2 screws. It has knockouts for 16, 20, 25 and 34 mm conduits and for round cables. |                                   |



▶ Z32



▶ Z2x32

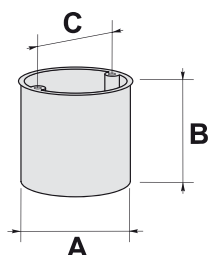


| Colour   Cat. No.                | for wall lights with a cover <b>32 mm</b>   | for wall lights with a cover <b>2x32 mm</b>  |
|----------------------------------|---|--|
| Blue ●                           | <b>34 010 203</b> ●   | <b>34 011 203</b> ●  |
| Dimensions                       |   |  |
| Outside diameter (A) / Depth (B) | 35 mm / 45 mm   | 2 x 35 mm / 45 mm  |
| Weight                           | 10 g  | 16 g   |
| Package                          | 10 pcs  | 10 pcs   |
| Material properties              | Self-extinguishing, halogen free, heat resistance 960 °C  | Self-extinguishing, halogen free, heat resistance 960 °C   |
| Additional features              | Boxes suitable for use in creating branchings and for mounting of electronic sensors.<br>1 knockout for $\varnothing$ 20 conduit<br>Cover included in the set | Boxes suitable for use in creating branchings and for mounting of electronic sensors<br>2 knockouts for $\varnothing$ 20 conduits<br>Cover included in the set |

▶ WAD



| Colour   Cat. no.   | for wall lights with a cover <b>60x31x31 mm</b>   |
|---------------------|---|
|                     | <b>83 253 006</b>   |
| Dimensions          | 61 / 31 / 31 mm   |
| Weight              | 18 g  |
| Package             | 25 pcs  |
| Heat resistance     | Heat resistance 650°C   |
| Additional features | Box adjusted to mount fixtures in walls. Mostly used under wall lamps, but also under aerials, detectors etc. |
| Accessories         | Cover included in the set   |



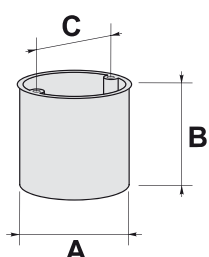
## ▶ PV60K



## ▶ P60KF



| Colour   Cat. No.                       | <b>NEW</b>  | shallow, combined <b>60 mm</b> | shallow <b>60 mm</b>   |
|---|---|--------------------------------|--|
| Blue ●                                  | <b>32 017 203</b> ●   |                                |  |
| Orange ●                                |   |                                | <b>31 040 008</b> ●  |
| <b>Dimensions</b>                       |   |                                |  |
| <b>Outside diameter (A) / Depth (B)</b> | 68 mm / 40 mm   |                                | 68 mm / 47 mm  |
| <b>Weight</b>                           | 29 g  |                                | 22.9 g   |
| <b>Package</b>                          | 60 pcs  |                                | 60 pcs   |
| <b>Material properties</b>              | Self-extinguishing, halogen-free, heat resistance 960 °C  |                                | Self-extinguishing, heat resistance 850 °C   |
| <b>Additional features</b>              | Hole spacing for mounting - 60 mm (C)<br>Distance between the axes of drilling mounting holes - 71 mm<br>2 knockouts for $\varnothing$ 20 conduits<br>4 knockouts for $\varnothing$ 10 conduits in the bottom<br>2 mounting screws in the set |                                | Hole spacing for mounting - 60 mm (C)<br>Distance between the axes of drilling mounting holes - 71 mm<br>4 knockouts for $\varnothing$ 20 conduits, 2 knockouts for $\varnothing$ 10 conduits<br>2 knockouts for $\varnothing$ 16 conduits in the bottom<br>2 mounting screws in the set |
| <b>Accessories</b>                      |   |                                |  |
|   | Cover PL60 (mounted inside – doesn't stick out of the rim)<br>Connector KD71 (also to connect boxes PV60K, PV60D, PV70, PV80), Extension ring PD60x30   |                                | 2 mounting screws in the set<br>Extension ring PD60x30<br>Cover WS60 or PL60   |



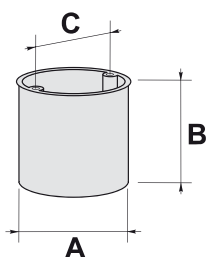
## ▶ PV60D



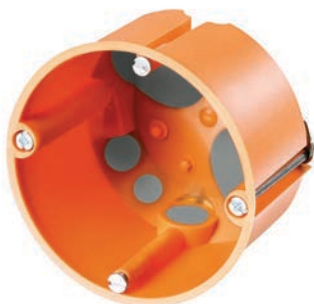
## ▶ P60DF



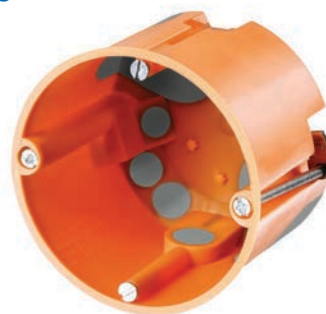
| Colour   Cat. No.                       | deep, combined <b>60 mm</b>  | deep <b>60 mm</b>   |
|---|--|---|
| Blue ●                                  | <b>32 013 203</b> ●  |   |
| Orange ●                                |  | <b>31 074 008</b> ●   |
| <b>Dimensions</b>                       |  |   |
| <b>Outside diameter (A) / Depth (B)</b> | 68 mm / 60 mm  | 68 mm / 60 mm   |
| <b>Weight</b>                           | 34 g   | 27.5 g  |
| <b>Package</b>                          | 40 pcs   | 45 pcs  |
| <b>Material properties</b>              | Self-extinguishing, halogen-free, Heat resistance 960 °C   | Self-extinguishing, Heat resistance 850 °C  |
| <b>Additional features</b>              | Hole spacing for mounting - 60 mm (C)<br>Distance between the axes of drilling mounting holes - 71 mm<br>5 knockouts for $\varnothing$ 20 conduits,<br>4 knockouts for $\varnothing$ 10 conduits in the bottom<br>2 mounting screws in the set | Hole spacing for mounting - 60 mm (C)<br>Distance between the axes of drilling mounting holes - 71 mm<br>4 knockouts for $\varnothing$ 20 conduits, 2 knockouts for $\varnothing$ 10 conduits,<br>2 knockouts for $\varnothing$ 16 conduits in the bottom<br>2 mounting screws in the set |
| <b>Accessories</b>                      |  |   |
|   | Cover PL60 (mounted inside – doesn't stick out of the rim)<br>Connector KD71 (also to connect boxes PV60K, PV60D, PV70, PV80), Extension ring PD60x30  | Extension ring PD60x30<br>Cover WS60 or PL60  |




▶ **E2700**

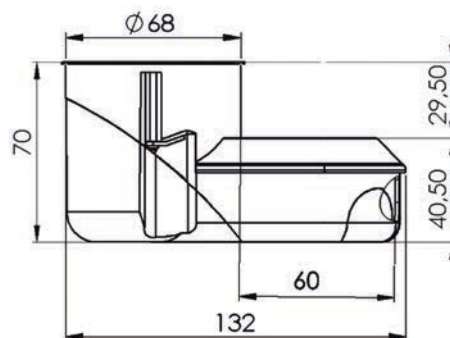


▶ **E3700**

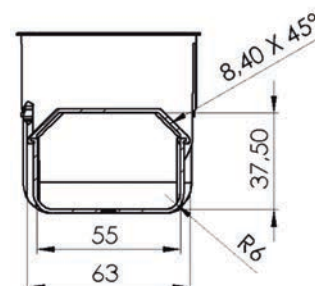


| Colour   Cat. No.   | shallow, with flexible membranes 60 mm  | deep, with flexible membranes 60 mm   |
|---|---|---|
| Orange ● 83 191 088 ●   | 83 191 088 ●  | 83 192 088 ●  |
| Dimensions  |   |   |
| Outside diameter (A) / Depth (B)  | 68 mm / 47 mm   | 68 mm / 61 mm   |
| Weight  | 22 g  | 28 g  |
| Package   | 25 pcs  | 25 pcs  |
| Material properties   | Self-extinguishing, halogen-free, heat resistance 650 °C  | Self-extinguishing, halogen-free, heat resistance 650 °C  |
| Additional features   | Certificate VDE<br>4 membrane slots $\varnothing$ 10 mm and $\varnothing$ 20 mm<br>Hole spacing for mounting - 60 mm (C)<br>2 mounting screws in the set<br>A box for a 71 mm frame module. | Certificate VDE<br>4 membrane slots $\varnothing$ 10 mm and $\varnothing$ 20 mm<br>Hole spacing for mounting - 60 mm (C)<br>2 mounting screws in the set<br>A box for a 71 mm frame module. |
| Accessories   |   |   |
|  | Cover PL60<br>Connector E105  | Cover PL60<br>Connector E105  |

▶ **E5000**



| Colour   Cat. No.   | for electronics, with flexible membranes 60 mm  |
|---|---|
| Orange ● 83 199 008 ●   | 83 199 008 ●  |
| Dimensions  |   |
| Outside diameter (A) / Depth (B)  | 68 mm / 70 mm   |
| Weight  | 22 g  |
| Package   | 10 pcs  |
| Material properties   | Self-extinguishing, halogen-free, Heat resistance 650 °C  |
| Additional features   | Certificate VDE<br>An electronics box (shoe-shaped) for mounting electrical components. Flexible membranes make it easy to insert conductors and conduits. A flexible construction of a side of a box allows the user to install it in a $\varnothing$ 68 mm hole from the front of the wall. |
| Accessories   |   |
|  | Cover PL60<br>Extension ring PD60x30<br>Screws W16, W25, W40  |

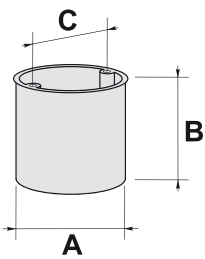



## ▶ E135

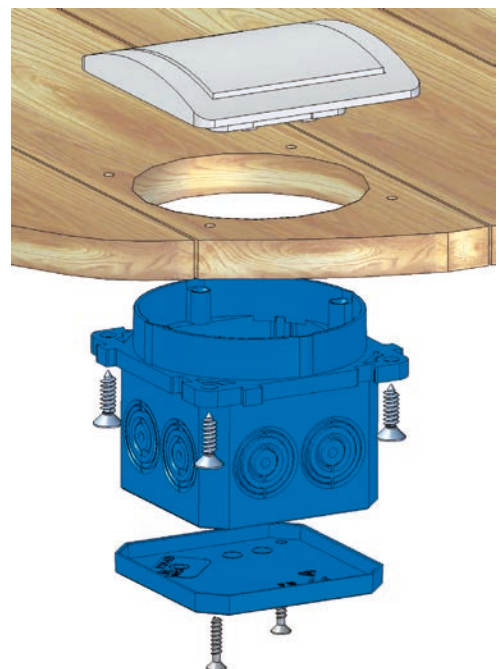


| Colour   Cat. no.                | extra shallow 60 mm  |
|----------------------------------|--|
|                                  | 83 254 006   |
| Outside diameter (A) / Depth (B) | 112 / 156 / 50 mm  |
| Weight                           | 18 g   |
| Package                          | 25 pcs   |
| Heat resistance                  | Heat resistance 850°C  |
| Additional features              | Hole spacing for mounting fixtures– 60 mm<br>Distance between the axes of drilling mounting holes - 71 mm<br>4 knockouts for round installation conductors<br>In the set: 2 screws for mounting fixtures and 2 fixing holders for cavity walls |
| Accessories                      | PD60x30 extension ring. WS60 or PL60 closing cover   |

## ▶ PDD60



| Colour   Cat. No.   | NEW  | for wooden houses shallow 60 mm |
|---|--|---------------------------------|
| Blue ●  | 32 223 203 ●   |                                 |
| Dimensions  |  |                                 |
| Outside diameter (A) / Depth (B)  | 71 mm / 46 mm  |                                 |
| Weight  | 50 g   |                                 |
| Packaging   | 10 pcs   |                                 |
| Material properties   | Self-extinguishing, halogen-free, heat resistance 960 °C   |                                 |
| Additional features   | Hole spacing for mounting - 68 mm (C)<br>In the set: a cover with 2 screws for fixing it to a box, 4 screws for mounting the box to a board, 2 additional screws. Junction box designed for wooden houses. It is mounted in a cavity wall from the inside of it (in the plasterboard or wood panel)) |                                 |
| Accessories   |  |                                 |
|  | Extension ring PD60x30<br>Screws W25, W40  |                                 |



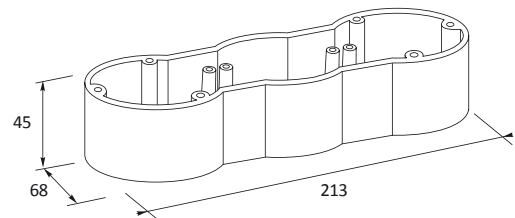
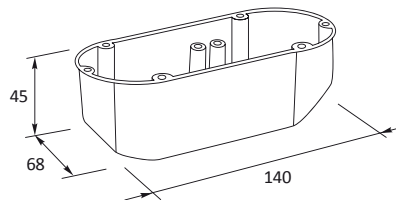
▶ P2x60N



▶ KP64/3L



| Colour   Cat. No.                       | shallow, 2-poles <b>2x60 mm</b>  | shallow, 3-pole <b>3x60 mm</b>   |
|---|--|--|
| Blue ● <b>32 090 203</b> ●              | <b>80 169 003</b> ●  |  |
| <b>Dimensions</b>                       |  |  |
| <b>Outside diameter (A) / Depth (B)</b> | 2 x 68 mm / 46 mm  | 3 x 68 mm / 46 mm  |
| <b>Weight</b>                           | 68 g   | 155 g  |
| <b>Package</b>                          | 35 pcs   | 36 pcs   |
| <b>Material properties</b>              | Self-extinguishing, halogen-free, heat resistance 960 °C   | Self-extinguishing, heat resistance 850 °C   |
| <b>Additional features</b>              | 6 knockouts for $\varnothing$ 20 mm conduits, 2 knockouts for $\varnothing$ 16 mm conduits,<br>4 screws included in the set<br>Hole spacing for mounting - 60 mm<br>Distance between the axes of drilling mounting holes - 71 mm | 6 knockouts for $\varnothing$ 20 mm conduits, 2 knockouts for $\varnothing$ 16 mm conduits,<br>8 knockouts 10 x 20 mm<br>6 screws included in the set<br>Hole spacing for mounting - 60 mm<br>Distance between the axes of drilling mounting holes - 71 mm |



▶ KP64/4L



shallow, 4-pole **4x60 mm**

80 965 003 ●

4 x 68 mm / 46 mm

190 g

28 pcs

Self-extinguishing, heat resistance 850 °C

14 knockouts for  $\varnothing$  20mm conduits, 8 knockouts for  $\varnothing$  10 mm conduits, 12 knockouts 10 x 20 mm  
8 screws included in the set  
Hole spacing for mounting - 60 mm  
Distance between the axes of drilling mounting holes - 71 mm

▶ KP64/5L



shallow, 5-pole **5x60 mm**

80 966 003 ●

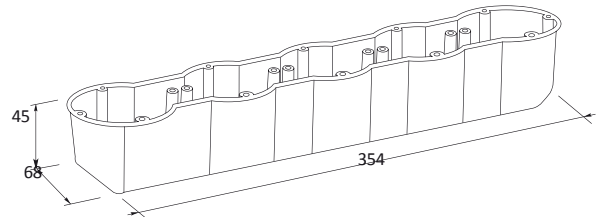
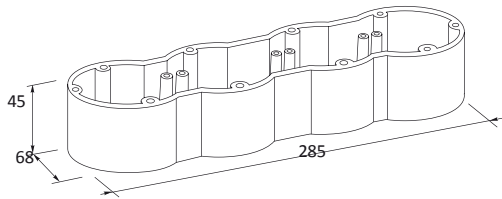
5 x 68 mm / 46 mm

235 g

16 pcs

Self-extinguishing, heat resistance 850 °C

18 knockouts for  $\varnothing$  20 mm conduits, 12 knockouts for  $\varnothing$  10 mm conduits, 16 knockouts 10 x 20 mm  
10 screws included in the set  
Hole spacing for mounting - 60 mm  
Distance between the axes of drilling mounting holes - 71 mm





The series is registered by The Polish Patent Office (nr 20557)

▶ P2x60D

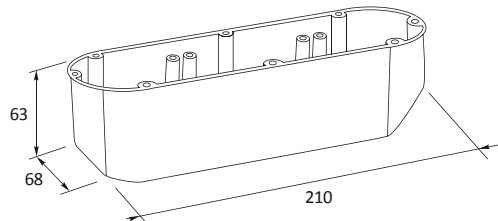
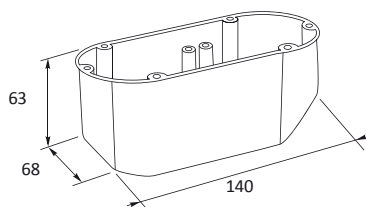


▶ P3x60D

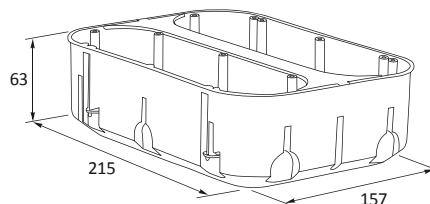


MULTIBOX 2

| Colour   Cat. No.                | deep, 2-pole 2x60 mm  | deep, 3-pole 3x60 mm  |
|----------------------------------|---|---|
| Blue                             | 32 092 203  | 32 104 203  |
| Dimensions                       |   |   |
| Outside diameter (A) / Depth (B) | 2 x 68 mm / 63 mm   | 3 x 68 mm / 63 mm   |
| Weight                           | 86 g  | 146 g   |
| Package                          | 37 pcs  | 24 pcs  |
| Material properties              | Self-extinguishing, halogen-free, heat resistance 960 °C, <b>acid-proof screws</b>  | Self-extinguishing, halogen-free, heat resistance 960 °C, <b>acid-proof screws</b>  |
| Additional features              | 6 knockouts for $\varnothing$ 20 mm conduits, 2 knockouts for $\varnothing$ 16 mm conduits<br>4 screws included in the set<br>Hole spacing for mounting - 60 mm<br>Distance between the axes of drilling mounting holes - 71 mm | 8 knockouts for $\varnothing$ 20 mm conduits, 6 knockouts for $\varnothing$ 16 mm conduits<br>6 screws included in the set<br>Hole spacing for mounting - 60 mm<br>Distance between the axes of drilling mounting holes - 71 mm |
| Accessories                      |   |   |
|                                  | PM1 (closing cover)<br>PM2 (closing cover)<br>PKS60 (connection cover)  | PM1 (closing cover)<br>PM2 (closing cover)<br>PKS60 (connection cover)  |



▶ P6x60D



MULTIBOX 2

| Colour   Cat. No.   | deep, 6-pole 6x60 mm  |
|---------------------|---|
| Blue ●              | 32 174 203 ●  |
| Weight              | 214 g   |
| Package             | 7 pcs   |
| Material properties | Self-extinguishing, halogen-free, heat resistance 960 °C  |
| Additional features | 18 knockouts for $\varnothing$ 20mm conduits, 4 knockouts for $\varnothing$ 16mm conduits, 12 screws included in the set, 4 fixing holders for cavity walls, a built-in partition |
| Accessories         |   |
|                     | PM1 (closing cover), PM2 (closing cover), screws W16, W25, W40.<br>PKS 60 (connection cover)  |

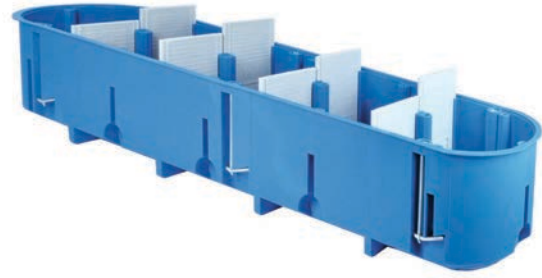
▶ P4x60D



deep, 4-pole **4x60 mm**

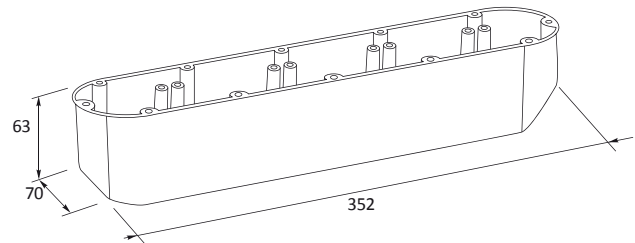
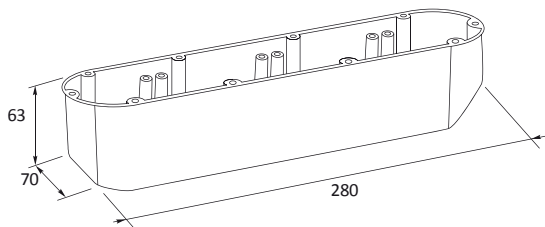
|   |
|---|
| <b>32 097 203</b> ●   |
| 4 x 68 mm / 63 mm   |
| 190 g   |
| 18 pcs  |
| Self-extinguishing, halogen-free, heat resistance 960 °C,<br><b>acid-proof screws</b>   |
| 10 knockouts for $\varnothing$ 20 mm conduits, 8 knockouts for $\varnothing$ 16 mm conduits,<br>8 screws included in the set<br>Hole spacing for mounting - 60 mm<br>Distance between the axes of drilling mounting holes - 71 mm |
| PM1 (Closing cover)<br>PM2 (Closing cover)<br>PKS60 (Connection cover)  |

▶ P5x60D

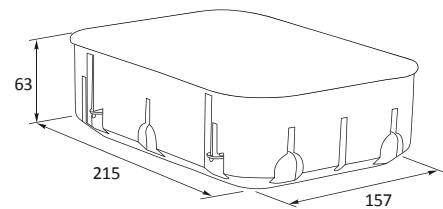


deep, 5-pole **5x60 mm**

|   |
|---|
| <b>32 099 203</b> ●   |
| 5 x 68 mm / 63 mm   |
| 235 g   |
| 15 pcs  |
| Self-extinguishing, halogen-free, heat resistance 960 °C,<br><b>acid-proof screws</b>   |
| 12 knockouts for $\varnothing$ 20 mm conduits, 12 knockouts for $\varnothing$ 16 mm conduits,<br>10 screws included in the set<br>Hole spacing for mounting - 60 mm<br>Distance between the axes of drilling mounting holes - 71 mm |
| PM1 (Closing cover)<br>PM2 (Closing cover)<br>PKS60 (Connection cover)  |



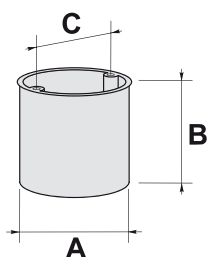
▶ P6x60DP




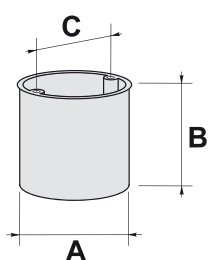
**MULTIBOX 2**


deep with cover **6x60 mm**

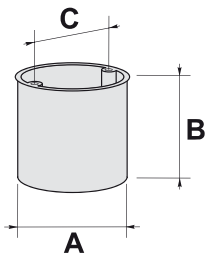
|                            |  |
|----------------------------|--|
| <b>Colour   Cat. No.</b>   | <b>Blue ● 32 178 203 ●</b>   |
| <b>Weight</b>              | 220 g  |
| <b>Package</b>             | 7 pcs  |
| <b>Material properties</b> | Self-extinguishing, halogen-free, heat resistance 960 °C   |
| <b>Additional features</b> | 18 knockouts for $\varnothing$ 20 mm, 4 knockouts for $\varnothing$ 16 mm, cover mounted by 4 screws included in the set,<br>4 fixing holders for cavity walls |
| <b>Accessories</b>         | PM1 (closing cover), PM2 (closing cover), Screws W16, W25, W40.<br>PKS 60 (connection cover)   |



| Colour   Cat. No.   | combined, with cover <b>70 mm</b>   | with cover <b>70 mm</b>   |
|---|---|---|
| Blue ● <b>32 150 203</b> ●  | _____   | _____   |
| Orange ● _____  | _____   | <b>33 242 008</b> ●   |
| <b>Dimensions</b>   |   |   |
| Outside diameter (A) / Depth (B)  | 73 mm / 60 mm   | 73 mm / 47 mm   |
| Weight  | 46 g  | 20.9 g  |
| Package   | 12 pcs  | 10 pcs  |
| Material properties   | Self-extinguishing, halogen-free, heat resistance 960 °C<br><b>acid-proof screws</b>  | Self-extinguishing, halogen-free, heat resistance 960 °C<br><b>acid-proof screws</b>  |
| Additional features   | The box is equipped with a cover and 4 screws. PV70 is an innovative universal solution that can be used in a variety of ways. It can be used to mount electric equipment in it, create installation nodes/branches, can be used as a place to fix different electronic elements.<br>A tightly screwed cover, that is put inside the junction box, is included. It is possible to buy an additional interconnector to create multiple blocks of boxes. A single frame of a standard electrotechnical element hides the rim of a box. In case of using a KD71 multiple interconnector it is not possible to use a multiple frame because of a different spacing between the axes of the boxes.<br>This is the first junction box with an outside diameter of 73 mm with a possibility to mount 60 mm fittings. | 4 knockouts for $\varnothing$ 20 mm conduits<br>2 knockouts for $\varnothing$ 16 mm conduits<br>Hole spacing for mounting 70 mm<br><br>The box is equipped with a cover and 4 screws.<br>The box has two special knockouts to let conductors go between two neighbouring boxes through a $\varnothing$ 16 mm conduit. |
| Accessories   |   |   |
|  | KD71 - connector for PV series  |   |



| Colour   Cat. No.   | combined, with cover <b>80 mm</b>  | with cover <b>80 mm</b>  |
|---|--|--|
| Blue ● <b>32 087 203</b> ●  | _____  | _____  |
| Orange ● _____  | _____  | <b>33 244 008</b> ●  |
| <b>Dimensions</b>   |  |  |
| Outside diameter (A) / Depth (B)  | 83 mm / 60 mm  | 83 mm / 50 mm  |
| Weight  | 53 g   | 28 g   |
| Package   | 10 pcs   | 10 pcs   |
| Material properties   | Self-extinguishing, halogen-free, heat resistance 960 °C,<br><b>acid-proof screws</b>  | Self-extinguishing, halogen-free, heat resistance 960 °C,<br><b>acid-proof screws</b>  |
| Additional feature  | 4 knockouts for $\varnothing$ 20 conduits. A screwed protective cover included.<br>These boxes can be connected into sets with a KD71 interconnector. The screwed cover gets inside the box at the level of the upper rim. | 2 knockouts for $\varnothing$ 20 mm.<br>Hole spacing for mounting - 75 mm (C).<br>The box is equipped with a cover and 4 screws.<br>The box has two special knockouts to let conductors go between two neighbouring boxes through a $\varnothing$ 16 mm conduit. |
| Accessories   |  |  |
|  | KD71 - connector for PV series   |  |



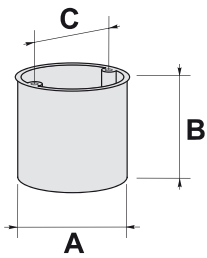
▶ E815



▶ E816



| Colour   Cat. No.                | 120 mm   | with flexible membranes 120 mm   |
|----------------------------------|--|--|
| Orange ● 83 189 008 ●            |  | 83 190 008 ●   |
| Dimensions                       |  |  |
| Outside diameter (A) / Depth (B) | 120 mm / 60 mm   | 120 mm / 60 mm   |
| Weight                           | 35 g   | 22.9 g   |
| Package                          | 1 piece  | 1 piece  |
| Material properties              | Self-extinguishing, halogen-free, heat resistance 650 °C   | Self-extinguishing, halogen-free, heat resistance 650 °C   |
| Additional features              | Certificate VDE<br>Hole spacing for mounting - 120 mm (C)<br>Knockouts in the bottom 2 x ø20 mm, 2 x ø25 mm, 8 x ø10 mm, 12 x ø6 mm<br>The box is equipped with a cover ø120 mm and 2 screws.<br>In the bottom there are many knockouts to let conductors out. | Certificate VDE<br>The box is equipped with a cover ø120 mm and 2 screws.<br>In the bottom are flexible membranes: 2 x ø20mm, 2 x ø25mm, 8 x ø10mm, 12 x ø6mm. |



▶ P110



▶ P32



▶ P2x32



| Colour   Cat. No.                          | 45x115x115 mm   | for wall lights 35 mm  | for wall lights 2x35 mm                                       |
|--|---|--|---|
| Blue ● 32 042 203 ●                        |   | 32 020 203 ●   | 32 023 203 ●  |
| Dimensions                                 |   |  |   |
| Width (diameter) / Height / Length (A/B/C) | 115 mm / 45 mm / 115 mm   | 35 mm / 45 mm / -  | 2 x 35 mm / 45 mm / -   |
| Weight                                     | 223 g   | 12 g   | 18 g  |
| Package                                    | 10 pcs  | 30 pcs   | 15 pcs  |
| Material properties                        | Self-extinguishing, halogen-free, heat resistance 960 °C, <b>acid-proof screws</b>                | Self-extinguishing, halogen-free, heat resistance 960 °C     | Self-extinguishing, halogen-free, heat resistance 960 °C      |
| Additional features                        | 8 knockouts for ø 20 mm conduits<br>8 knockouts for ø 10 mm conduits<br>Cover included in the set | 1 knockout for ø 20 mm conduits<br>Cover included in the set | 2 knockouts for ø 20 mm conduits<br>Cover included in the set |

▶ **P1kn71x71**



Mounting on a TS 35 rail

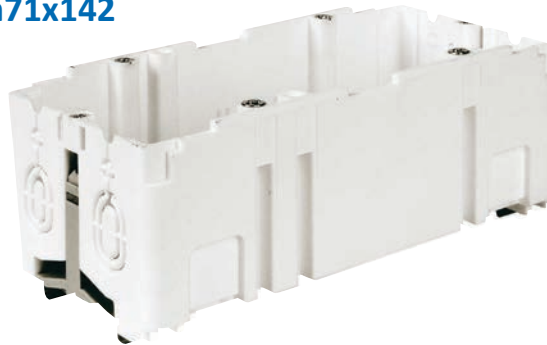


| Colour   Cat. No.             | 60 mm, on a TS35 rail <b>71x71 mm</b>  |
|-------------------------------|--|
| White ○ <b>36 070 206</b> ○   |  |
| <b>Dimensions</b>             |  |
| <b>Length (A) / Depth (B)</b> | 71 mm / 48 mm  |
| <b>Weight</b>                 | 57 g   |
| <b>Package</b>                | 1 piece  |
| <b>Material properties</b>    | Self-extinguishing, halogen-free, heat resistance 960 °C   |
| <b>Additional features</b>    | 4 knockouts for ø 16 mm, 4 knockouts for ø 10...16 mm conduits<br>3 knockouts ø 8 mm conduits in the bottom<br>Hole spacing for mounting 60 mm<br>For installation channels with a TS35 rail |

▶ **P2kn71x142**



Mounting on a TS 35 rail



| Colour   Cat. No.             | 2x60 mm, on a TS35 <b>71x142 mm</b>   |
|-------------------------------|---|
| White ○ <b>36 071 206</b> ○   |   |
| <b>Dimensions</b>             |   |
| <b>Length (A) / Depth (B)</b> | 142 mm / 48 mm  |
| <b>Weight</b>                 | 85 g  |
| <b>Package</b>                | 1 piece   |
| <b>Material properties</b>    | Self-extinguishing, halogen-free, heat resistance 960 °C  |
| <b>Additional features</b>    | 2 knockouts for ø 16 mm conduits, 2 knockouts for ø 8 mm conduits,<br>4 knockouts for ø 10...16 mm conduits<br>2 knockouts for ø 8 mm conduits in the bottom<br>Hole spacing for mounting 60 mm<br>For installation channels with a TS35 rail |

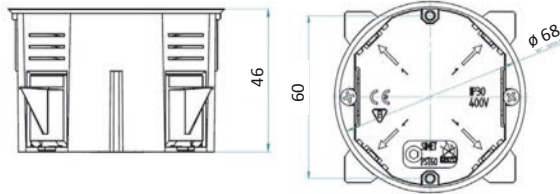
▶ PST60



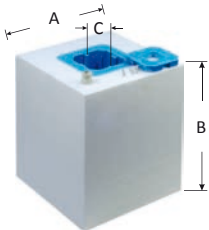
▶ PMST60



| Colour   Cat. No.                | NEW   | for polystyrene 70 mm | NEW  | a plate for mounting equipment | 110x110 m |
|----------------------------------|---|-----------------------|--|--------------------------------|-----------|
| Blue ●                           | 32 273 003 ●  |                       |  |                                |           |
| White ○                          |   |                       | 32 277 006 ○   |                                |           |
| Dimensions                       |   |                       |  |                                |           |
| Outside diameter (A) / Depth (B) | 68 mm / 46 mm   |                       | 110 x 110 mm / 8 mm  |                                |           |
| Weight                           | 17 g  |                       | 120 g  |                                |           |
| Package                          | 12 pcs  |                       | 1 piece  |                                |           |
| Material properties              | Self-extinguishing, halogen-free, heat resistance 960 °C  |                       | Self-extinguishing, halogen-free, heat resistance 960 °C   |                                |           |
| Additional features              | A PST60 box is a simple way to mount installation sockets or to create branches on buildings with externally insulated walls. Just cut a hole in the insulation with a $\varnothing$ 68 mm hole saw and insert the box. To fix the box firmly you need to push the inside parts of the box outwards with your thumb. It is also possible to cover the outside walls of the box with a silicone or acrylic adhesive before mounting. The box can be combined in frame systems using a KD71 connector, it can be covered with a PL60 cover. |                       | A mounting plate that is fixed on a junction box or directly on a styrofoam insulated wall. It is used for mounting items like camera recorders, antennas, detectors or sensors that do not exceed 4 kg. It is equipped with 4 spiral connectors from plastic with 4 screws. |                                |           |



▶ EPS20



▶ 251-KL

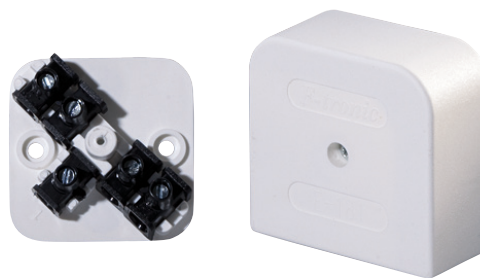


| Colour   Cat. No.   | Block of polystyrene with a box 60 mm  | Hybrid adhesive   |
|---------------------|--|---|
| Blue ●              | 83 113 003 ●   |   |
| White ○             |  | 83 114 006 ○  |
| Dimensions          |  |   |
| A / B / C           | 184 mm / 200 mm / 60 mm  |   |
| Weight              | 560 g  |   |
| Package             | 1 piece  |   |
| Additional features | The block is mounted during the process of covering the walls with insulation, as it must be attached to the surface of the main wall. The block with a fixed junction box is 200 mm deep. The depth can be decreased even to 80 mm depending on the thickness of the insulation. To do so, you need to cut off the lower part of styrofoam. | Special hybrid mounting adhesive, used for bonding the block to the wall or polystyrene. It is a unique formula which allows the user to connect plastic with building materials. Recommended for bonding of EPS 20 block and other boxes mounted in polystyrene. |
| Accessories         | Hybrid adhesive 251-KL   |   |

▶ **E180W**



▶ **E181W**

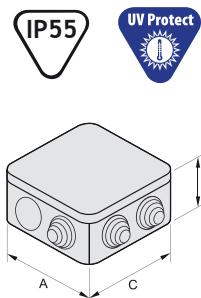


| Colour   Cat. No.              | for kitchen fitting <b>80x80 mm</b>  | for kitchen fitting <b>59x56 mm</b>   |
|--------------------------------|--|---|
| White ○                        | <b>83 108 006</b> ○  | <b>83 109 006</b> ○   |
| <b>Dimensions</b>              |  |   |
| <b>Outside diameter/Height</b> | 80 x 80 mm / 28 mm   | 59 x 56 mm / 26 mm  |
| <b>Weight</b>                  | 70 g   | 55 g  |
| <b>Package</b>                 | 10 pcs   | 10 pcs  |
| <b>Additional features</b>     | A surface junction box that can be mounted on a switch box (it has two slots with 60 mm spacing in the bottom.) Inside there are five 10 mm <sup>2</sup> clamps for making connections. Screwed from the above with one screw. The side walls are thinner to cut out outlets for cables. Halogen-free. | The smallest surface junction box for simple branches on a wall. There are slots with spacings of 33 mm in the bottom. Inside there are five 10 mm <sup>2</sup> clamps for making connections. Screwed from the above with one screw. The side walls are thinner to cut out outlets for cables. It is advisable to mount the box on the basis of a P32 or Z32 junction box. Halogen-free. |

▶ **HAD01**



| Colour   Cat. No.                       | for kitchen fittings <b>80x80 mm</b>   |
|---|--|
| White ○                                 | <b>83 185 006</b> ○  |
| <b>Dimensions</b>                       |  |
| <b>Outside diameter (A) / Depth (B)</b> | 80 x 80 mm / 25 mm   |
| <b>Weight</b>                           | 92 g   |
| <b>Package</b>                          | 5 pcs  |
| <b>Additional features</b>              | A product equipped with 5 two-pole branching/distribution 6 mm <sup>2</sup> terminals and with a clamping ring for a power cord. A box mounted by expanding or by screws in flush mounting boxes or cavity wall boxes of 60 mm diameter. |




#### N80x80

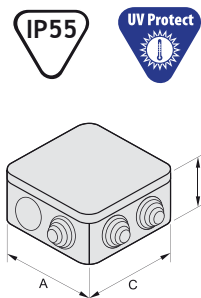


#### N90x90




| Colour   Cat. No.   | 89x55x89 mm  | 95x61x95 mm  |
|---|--|--|
| White ○   | 35 110 206 ○   | 35 120 206 ○   |
| <b>Dimensions</b>   |  |  |
| A / B / C   | 89 mm / 55 mm / 89 mm  | 95 mm / 61 mm / 95 mm  |
| <b>Weight</b>   | 98.2 g   | 117.6 g  |
| <b>Package</b>  | 32 pcs   | 26 pcs   |
| <b>Material properties</b>  | Self-extinguishing, halogen-free, resistant to UV radiation, Heat resistance 960 °C  | Self-extinguishing, halogen-free, resistant to UV radiation, Heat resistance 960 °C  |
| <b>Additional features</b>  | 7 knockouts for grommets (Ø 28 mm)<br>3 pcs of DM1 grommets included in a set(13, 16, 20, 25 mm)<br>Cover fastened with 4 screws<br>A rubber gasket in the cover | 7 knockouts for grommets (Ø 28 mm)<br>3 pcs of DM1 grommets included in a set(13, 16, 20, 25 mm)<br>Cover fastened with 4 screws<br>A rubber gasket in the cover |
| <b>Accessories</b>  |  |  |
|  | Distribution connectors: ZPT 4x2.5, ZPT 5x2.5, ZPT 4x2.5, ZPT 5x4.0<br>Grommet DM1   | Distribution connectors: ZPT 4x2.5, ZPT 5x2.5, ZPT 4x4.0, ZPT 5x4.0, ZPT 4x10, ZPT 5x10<br>Grommet DM1   |

#### N110x110



There are special mounting elements in the bottom of the junction box for installation of clamping rings and screw terminals

| Colour   Cat. No.   | 120x65x120 mm  |
|---|--|
| White ○   | 35 130 206 ○   |
| <b>Dimensions</b>   |  |
| A / B / C   | 120 mm / 65 mm / 120 mm  |
| <b>Weight</b>   | 150 g  |
| <b>Package</b>  | 18 pcs   |
| <b>Material properties</b>  | Self-extinguishing, halogen-free, resistant to UV radiation, heat resistance 960 °C  |
| <b>Additional features</b>  | 7 knockouts for grommets (Ø 28 mm)<br>3 pcs of DM1 grommets included in a set(13, 16, 20, 25 mm)<br>Cover fastened with 4 screws<br>A rubber gasket in the cover |
| <b>Accessories</b>  |  |
|  | Distribution connectors: ZPT 4x2.5, ZPT 5x2.5, ZPT 4x4.0, ZPT 5x4.0, ZPT 4x10, ZPT 5x10<br>Grommet DM1   |

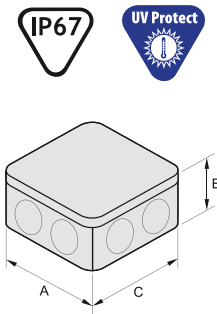


Conduit diameter: (13, 16, 20, 25) PVC grommet



Cover with a gasket is fastened with screws and holder to fix a lead seal.






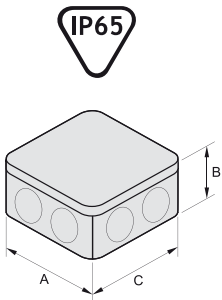
► **N80x80S**



► **N90x90S**



| Colour   Cat. No.   | <b>89x55x89 mm</b>   | <b>95x61x95 mm</b>   |
|---|--|--|
| White ○   | <b>35 133 206</b> ○  | <b>35 135 206</b> ○  |
| <b>Dimensions</b>   |  |  |
| A / B / C   | 89 mm / 55 mm / 89 mm  | 95 mm / 61 mm / 95 mm  |
| <b>Weight</b>   | 98 g   | 117.6 g  |
| <b>Package</b>  | 30 pcs   | 26 pcs   |
| <b>Material properties</b>  | Self-extinguishing, halogen-free, resistant to UV radiation, heat resistance 960 °C                      | Self-extinguishing, halogen-free, resistant to UV radiation, heat resistance 960 °C                    |
| <b>Additional features</b>  | The product has 7 knockouts for cable glands with thread PG 13.5 (Ø 21 mm), Cover fastened with 4 screws | The product has 7 knockouts for cable glands with thread PG 16 (Ø 23 mm), Cover fastened with 4 screws |
| <b>Accessories</b>  |  |  |
|  | Cable glands PG16 and PG21 or grommet DM1  | Cable glands PG16 and PG21 or grommet DM1  |



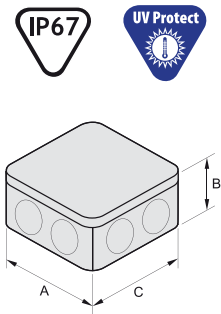
► **FK311**



► **FK411**



| Colour   Cat. No.          | <b>140x79x140 mm</b>  | <b>180x91x180 mm</b>   |
|----------------------------|---|--|
| White ○                    | <b>83 183 006</b> ○   | <b>83 184 006</b> ○  |
| <b>Dimensions</b>          |   |  |
| A / B / C                  | 140 mm / 79 mm / 140 mm   | 180 mm / 91 mm / 180 mm  |
| <b>Weight</b>              | 300 g   | 441 g  |
| <b>Package</b>             | 1 piece   | 1 piece  |
| <b>Material properties</b> | Self-extinguishing, halogen-free, heat resistance 650 °C  | Self-extinguishing, halogen-free, heat resistance 650 °C   |
| <b>Additional features</b> | Certificate VDE<br>4 stepped grommets in the set (12, 16, 20 mm), 2 rubber grommets (16, 20, 25 mm), screws for the cover and tightening pins for mounting conduits in the bottom of a box. Knockouts in the walls of a box can work with conduits: 2xM20, 5xM20/25, 5xM25/32 | Certificate VDE<br>4 stepped grommets in the set (16, 20, 25mm), screws for the cover and tightening pins for mounting conduits in the bottom of a box. Knockouts in the walls of a box can work with conduits: 2xM20, 7xM20/25, 2xM25/32/40 |




## ▶ N110x110S

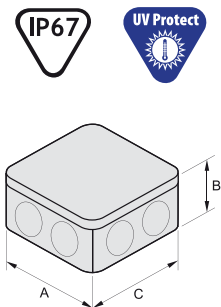



## ▶ N110x180S



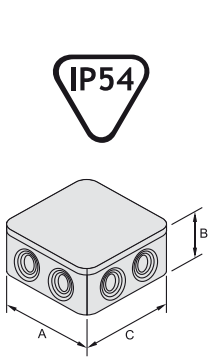
| Colour   Cat. No.   | 120x65x120 mm  | NEW | 188x69x118 mm   |
|---|--|-----|---|
| White ○   | 35 137 206 ○   |     | 35 270 206 ○  |
| Dimensions  |  |     |   |
| A / B / C   | 120 mm / 65 mm / 120 mm  |     | 188 mm / 69 mm / 118 mm   |
| Weight  | 150 g  |     | 245 g   |
| Package   | 18 pcs   |     | 9 pcs   |
| Material properties   | Self-extinguishing, halogen-free, resistant to UV radiation, heat resistance 960 °C                                  |     | Self-extinguishing, halogen-free, resistant to UV radiation, heat resistance 960 °C                                   |
| Additional features   | The product has 7 knockouts for cable glands with thread PG16 (23 mm) and PG21 (29 mm)<br><b>4 acid-proof screws</b> |     | The product has 12 knockouts for cable glands with thread PG16 (23 mm) and PG21 (29 mm)<br><b>4 acid-proof screws</b> |
| Accessories   |  |     |   |
|  | Cable glands PG16 and PG21   |     | Cable glands PG16 and PG21  |

## ▶ N180x180S



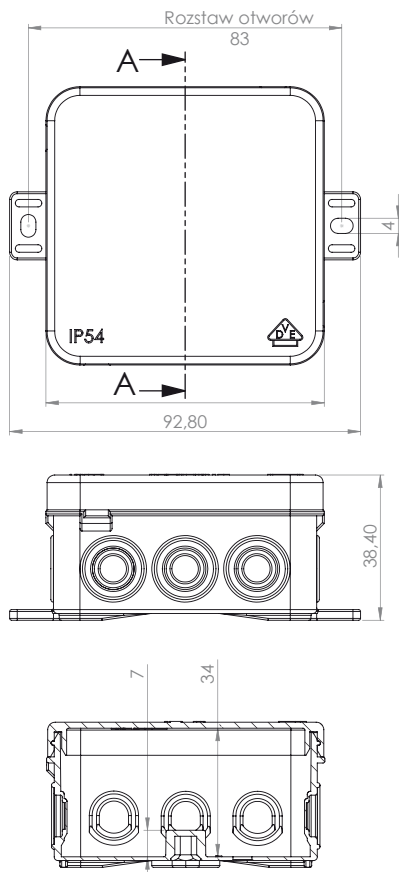
| Colour   Cat. No.   | NEW | 180x88x180 mm   |
|---|-----|---|
| White ○   |     | 35 300 206 ○  |
| Dimensions  |     |   |
| A / B / C   |     | 188 mm / 88 mm / 188 mm   |
| Weight  |     | 413 g   |
| Package   |     | 4 pcs   |
| Material properties   |     | Self-extinguishing, halogen-free, resistant to UV radiation, heat resistance 960 °C                                   |
| Additional features   |     | The product has 12 knockouts for cable glands with thread PG16 and PG21 (Ø 23; Ø 29 mm)<br><b>4 acid-proof screws</b> |
| Accessories   |     |   |
|  |     | Cable glands PG16 and PG21  |

More information | page 20

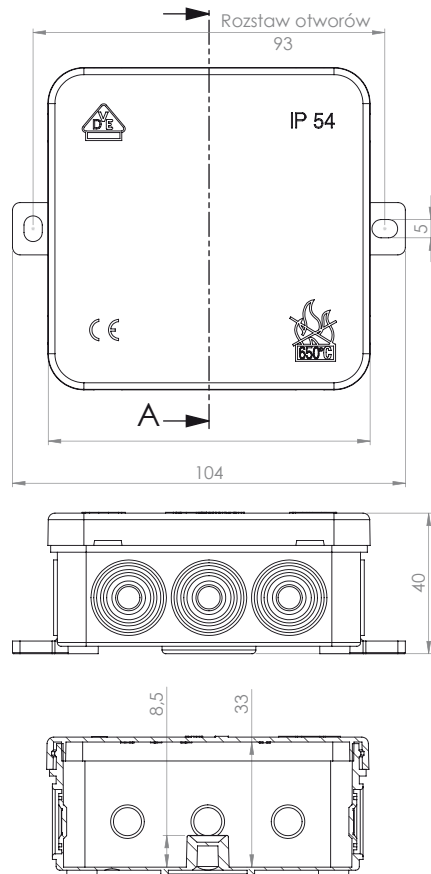


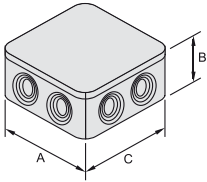
| Colour   Cat. No.   | 75x75x40 mm   | 84x84x39 mm   |
|---------------------|---|---|
| Grey ●              | 83 005 002 ●  | 83 006 002 ●  |
| White ○             | 83 005 006 ○  | 83 006 006 ○  |
| Red ●               | _____   | 83 006 001 ● <b>NEW</b>   |
| Weight              | 33 g  | 42 g  |
| Package             | 110 pcs   | 90 pcs / ● 10 pcs   |
| Material properties | Self-extinguishing, heat resistance 650 °C, halogen-free, RAL7035 | Self-extinguishing, heat resistance 650 °C, halogen-free, RAL7035 |
| Additional features | Certificate VDE<br>12 grommets to cut off:<br>16 / 11 / 6 mm      | Certificate VDE<br>12 grommets to cut off:<br>16 / 11 / 6 mm      |

**N5**



**N6**





**N7**

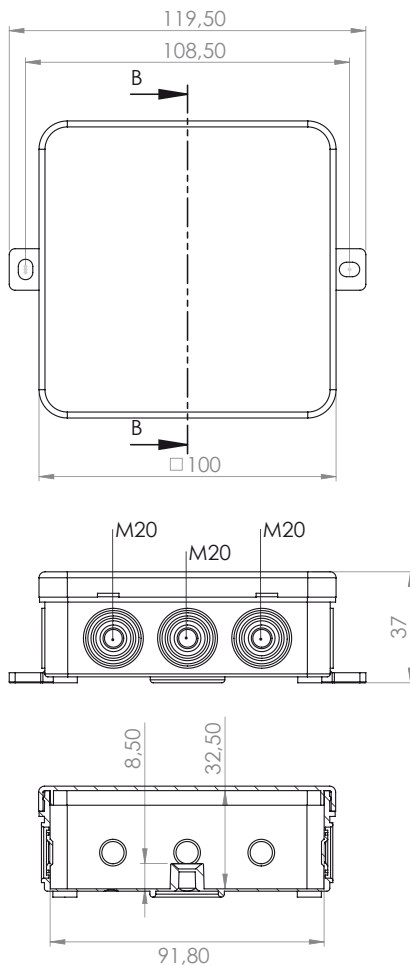


**N8**

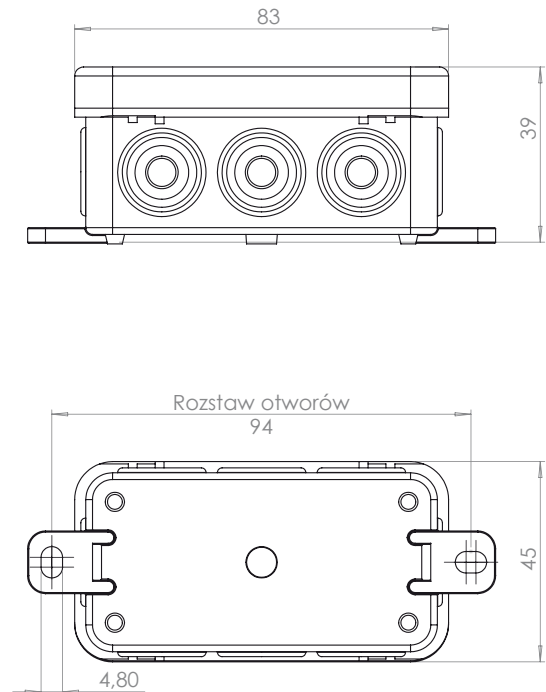


| Colour   Cat. No.   | 100x100x37 mm  | 45x83x39 mm  |
|---------------------|--|--|
| Grey ●              | 83 007 002 ●   | 83 008 002 ●   |
| White ○             | 83 007 006 ○   | 83 008 006 ○   |
| White               | 53 g   | 28 g   |
| Package             | 60 pcs   | 180 pcs  |
| Material properties | Self-extinguishing, heat resistance 650 °C, halogen-free, RAL 7035 | Self-extinguishing, heat resistance 650 °C, halogen-free, RAL 7035 |
| Additional features | Certificate VDE<br>12 grommets to cut off:<br>16 / 11 / 6 mm       | Certificate VDE<br>8 grommets to cut off:<br>16 / 11 / 6 mm        |

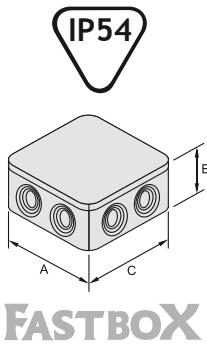
**N7**



**N8**



More information | page 20



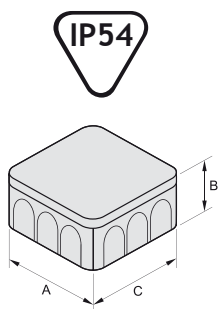
▶ N80x80F



▶ N90x90F



| Colour   Cat. No.          | 89x55x89 mm  | 95x61x95 mm  |
|----------------------------|--|--|
| Grey ●                     | 35 210 002 ●   | 35 220 002 ●   |
| <b>Dimensions</b>          |  |  |
| A / B / C                  | 89 mm / 55 mm / 89 mm  | 95 mm / 61 mm / 95 mm  |
| <b>Weight</b>              | 65 g   | 83.3 g   |
| <b>Package</b>             | 36 pcs   | 28 pcs   |
| <b>Material properties</b> | Self-extinguishing, heat resistance 650 °C, RAL 7035, for special order RAL 7012 | Self-extinguishing, heat resistance 650 °C, RAL 7035, for special order RAL 7012 |
| <b>Additional features</b> | 7 knockouts for grommets, 4 holes in cover for screws W16                        | 7 knockouts for grommets, 4 holes in cover for screws W16                        |
| <b>Accessories</b>         |  |  |
|                            | Distribution connectors: ZPT 4x2.5, ZPT 5x2.5, ZPT 4x2.5, ZPT 5x4.0              | Distribution connectors: ZPT 4x2.5, ZPT 5x2.5, ZPT 4x4.0, ZPT 5x4.0, ZPT 5x10    |

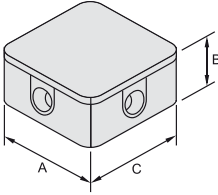

**E1000W**

**E1100W**


| Colour   Cat. No.          | 75x40x75 mm  | 85x40x85 mm  |
|----------------------------|--|--|
| White ○                    | 83 196 006 ○   | 83 197 006 ○   |
| <b>Dimensions</b>          |  |  |
| A / B / C                  | 75 mm / 40 mm / 75 mm  | 85 mm / 45 mm / 85 mm  |
| <b>Weight</b>              | 47 g   | 50 g   |
| <b>Package</b>             | 1 piece  | 1 piece  |
| <b>Material properties</b> | Self-extinguishing, heat resistance 650 °C   | Self-extinguishing, heat resistance 650 °C   |
| <b>Additional features</b> | Certificate VDE<br>A box equipped with 12 membrane inlets 14 mm wide (for inserting 13,5 mm conduits or just cables.) At the bottom it is possible to insert max. five 2.5 mm conductors. A halogen-free product. Heat resistance to 650 °C. | Certificate VDE<br>A box equipped with 12 membrane inlets 14 mm wide (for inserting 13,5 mm conduits or just cables.) At the bottom it is possible to insert max. five 2.5 mm conductors. A halogen-free product. Heat resistance to 650 °C. |

► PO75

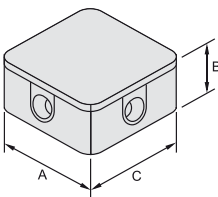
► PO75p



| Colour   Cat. No.   | 85x40x85 mm                       | 85x40x85 mm            |
|---------------------|-----------------------------------|------------------------|
| White ○             | 83 012 006 ○                      | 83 011 006 ○           |
| Dimensions          |                                   |                        |
| A / B / C           | 85 mm / 40 mm / 85 mm             | 85 mm / 40 mm / 85 mm  |
| Weight              | 75.3 g                            | 59.9 g                 |
| Package             | 60 pcs                            | 60 pcs                 |
| Material properties | Heat resistance 650 °C            | Heat resistance 650 °C |
| Additional features | With clamps 4x2.5 mm <sup>2</sup> |                        |

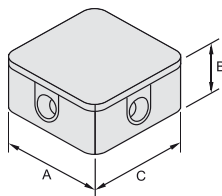
► PH

► PH/p



| Colour   Cat. No.   | 85x40x85 mm  | 85x40x85 mm            |
|---------------------|--|------------------------|
| White ○             | 83 014 006 ○   | 83 013 006 ○           |
| Dimensions          |  |                        |
| A / B / C           | 85 mm / 40 mm / 85 mm                                  | 85 mm / 40 mm / 85 mm  |
| Weight              | 71 g   | 50.7 g                 |
| Package             | 48 pcs   | 40 pcs                 |
| Material properties | Heat resistance 650 °C                                 | Heat resistance 650 °C |
| Additional features | With clamps 4x2.5mm <sup>2</sup><br>Cable gland D-13.5 | Cable gland D-13.5     |

## ▶ PK3

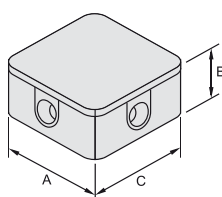


## ▶ PK-2P



| Colour   Cat. No.   | 125x35x125 mm           | 103x60x103 mm           |
|---------------------|-------------------------|-------------------------|
| White ○             | 83 026 006 ○            | 83 023 006 ○            |
| Dimensions          |                         |                         |
| A / B / C           | 125 mm / 35 mm / 125 mm | 103 mm / 60 mm / 103 mm |
| Weight              | 123.0 g                 | 143.5 g                 |
| Package             | 1 piece                 | 1 piece                 |
| Material properties | Heat resistance 650 °C  | Heat resistance 650 °C  |
| Additional features |                         | Cable gland D-25        |

## ▶ PK4



## ▶ PK5



## ▶ PK8



| Colour   Cat. No.   | 125x45x125 mm           | 125x80x125 mm           | 185x72x165 mm           |
|---------------------|-------------------------|-------------------------|-------------------------|
| White ○             | 83 027 006 ○            | 83 028 006 ○            | 83 029 006 ○            |
| Dimensions          |                         |                         |                         |
| A / B / C           | 125 mm / 45 mm / 125 mm | 125 mm / 80 mm / 125 mm | 185 mm / 72 mm / 165 mm |
| Weight              | 192.8 g                 | 221 g                   | 315.5 g                 |
| Package             | 1 piece                 | 1 piece                 | 1 piece                 |
| Material properties | Heat resistance 650 °C  | Heat resistance 650 °C  | Heat resistance 650 °C  |
| Dodatkové cechy     | Cable gland D-25        | Cable gland D-25        |                         |



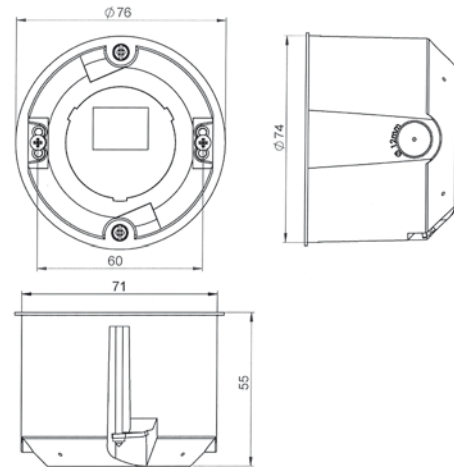
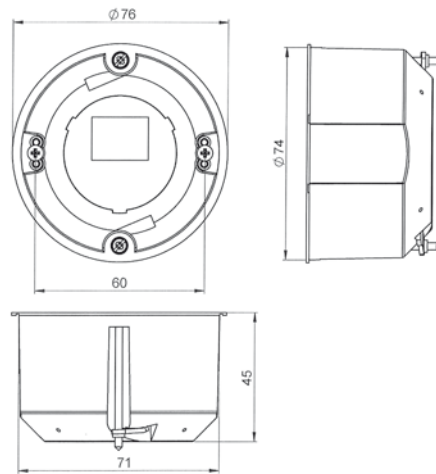
▶ **BS115**



▶ **BS117**



| Colour   Cat. No.     | NEW  | shallow 60 mm | NEW  | deep 60 mm |
|-----------------------|--|---------------|--|------------|
| Black ●               | 83 119 007 ●   |               | 83 117 007 ●   |            |
| Fire protection class | E 90   |               | E 90   |            |
| Depth                 | 44 mm  |               | 54 mm  |            |
| Mounting slot         | 74 mm  |               | 74 mm  |            |
| Weight                | 68 g   |               | 83 g   |            |
| Package               | 12 pcs   |               | 12 pcs   |            |
| Additional features   | Certificate VDE<br>Although the box is larger than the standard outside dimensions, it can be mounted with frames of 71 mm spacing. Special flattened parts of its walls make it possible to mount it in such a spacing. |               | Certificate VDE<br>Although the box is larger than the standard outside dimensions, it can be mounted with frames of 71 mm spacing. Special flattened parts of its walls make it possible to mount it in such a spacing. |            |



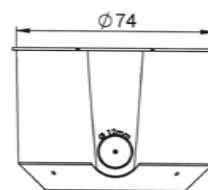
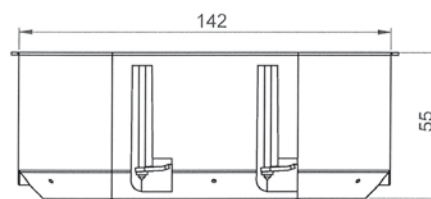
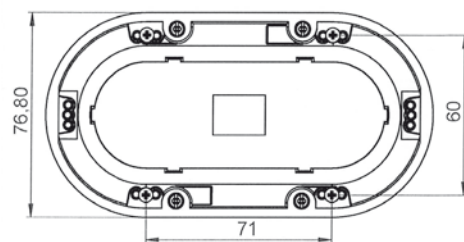
▶ **BS112**



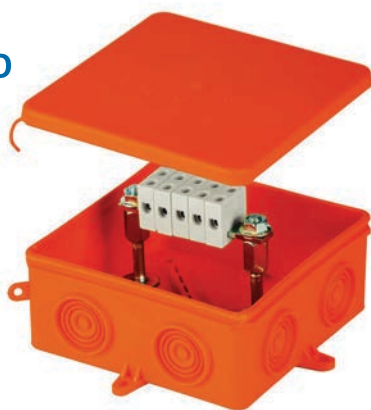
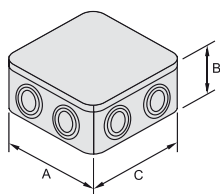
▶ **BS112/2**



| Colour   Cat. No. | NEW                                | Closign cover 60 mm | NEW                    | Closing cover 2x60 mm |
|-------------------|------------------------------------|---------------------|------------------------|-----------------------|
| Black ●           | 83 127 007 ●                       |                     | 83 128 007 ●           |                       |
| Diameter          | 74 mm                              |                     | 2 x 74 mm              |                       |
| Weight            | 11 g                               |                     | 18 g                   |                       |
| Package           | 10 pcs                             |                     | 5 pcs                  |                       |
| For use with      | For junction boxes BS115 and BS117 |                     | For junction box BS118 |                       |

▶ **BS118**

| Colour   Cat. No.         | <b>NEW</b>  | Deep 2-pole <b>2x60 mm</b> |
|---------------------------|---|----------------------------|
| Black ●                   | <b>83 118 007</b> ●   |                            |
| Fire protection class     | E 90  |                            |
| Depth                     | 54 mm   |                            |
| Hole spacing for mounting | 2 x 74 mm   |                            |
| Weight                    | 147 g   |                            |
| Package                   | 6 pcs   |                            |
| Additional features       | Certificate VDE<br>A 2-pole frame with a 71 mm spacing can be used. A 4-pole standard frame can be used for 2 boxes put side by side. |                            |

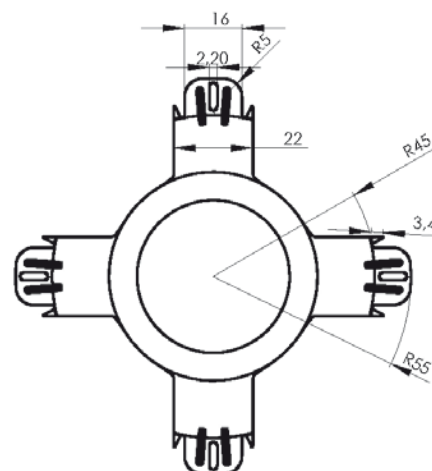
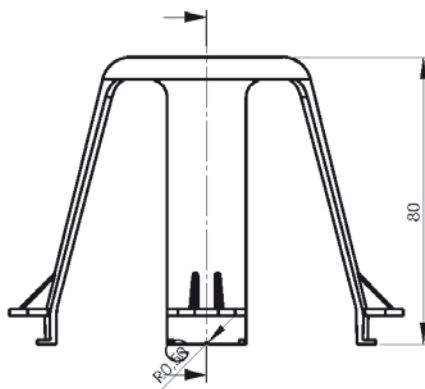
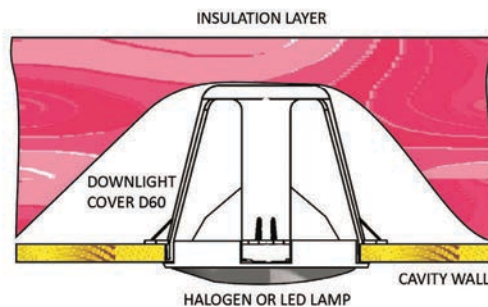
▶ **8135PO**

| Colour   Cat. No.                            | <b>112x63x112 mm</b>    |
|--|-------------------------|
| Orange ●                                     | <b>80 800 008</b> ●     |
| Dimensions                                   |                         |
| A / B / C                                    | 105 mm / 40 mm / 105 mm |
| Number x cross-section of ceramic connector  | 5 x 6 mm <sup>2</sup>   |
| Grommets x cross-section of connection pipes | 8, 16, 20, 25 mm        |
| Diameter of slot for cable gland             | 25 mm                   |
| Weight                                       | 120 g                   |
| Keeping the electrical circuit working       | 90 min. (E90)           |
| Package                                      | 1 piece                 |

▶ D60



|                          |   |
|--------------------------|---|
| Colour   Cat. No.        | <b>60-85x80 mm</b>  |
| Blue ●                   | <b>83 300 002 ●</b>   |
| Dimensions               |   |
| Outside diameter / Depth | 60-85 mm / 80 mm  |
| Material properties      | Self-extinguishing, halogen-free, heat resistance 960 °C  |
| Weight                   | 12 g  |
| Package                  | 25 pcs  |
| Additional features      | <p>A specialist downlight cover made of self-extinguishing halogen-free polyamide, that is safe from the electrotechnical point of view. It is used to create safe space between the insulation layer and the source of light in the wall. Fixed LED and halogen lamps need to get rid of the heat they produce inside the wall. If there is insulation on the wall, it is necessary to “move it away” from the light for the safety from fire, and for the durability of the light bulb.</p> <p>Mounting</p> <ul style="list-style-type: none"> <li>• make a hole of 60 to 85 mm</li> <li>• insert the downlight cover, push the inside parts of the box outwards with your thumb so that the teeth of its legs get into the sides of the hole</li> <li>• insert the lamp and mount it traditionally using its springs between the legs of a cover.</li> </ul> |



▶ PD60x12



▶ PD60x24



▶ PD60x30



| Colour   Cat. No.         | 60x12 mm  | 60x24 mm   | universal 60x30 mm                                       |
|---------------------------|---|--|--|
| White ○                   | 37 058 006 ○  | 37 059 006 ○   | 37 012 006 ○   |
| Dimensions                |   |  |  |
| Hole spacing for mounting | 60 mm   | 60 mm  | 60 mm  |
| Height                    | 12 mm   | 24 mm  | 30 mm  |
| Material properties       | Self-extinguishing, halogen-free, heat resistance 960 °C  | Self-extinguishing, halogen-free, heat resistance 960 °C | Self-extinguishing, halogen-free, heat resistance 960 °C |
| Weight                    | 4.4 g   | 8.0 g  | 9.5 g  |
| Package                   | 50 pcs  | 50 pcs   | 25 pcs   |
| Additional features       | Extension rings are used to increase the depth of junction boxes: z60k, z60kf, z60kw, z60kfw, z60d, z60f, z60dw, SE2x60, SE2x60G, Z60DFw, S60K, S60KF, S60Kw, S60KFw, S60D, S60DF, S60DFw, S60G, S60Gw<br>PD60x30 - ring with 5 segments with possibility to cut off every 6 mm |  |  |

▶ PD70x12



▶ PD70x24



| Colour   Cat. No.         | 70x12 mm  | 70x24 mm   |
|---------------------------|---|--|
| White ○                   | 37 060 006 ○  | 37 061 006 ○   |
| Dimensions                |   |  |
| Hole spacing for mounting | ∅ 70 mm   | ∅ 70 mm  |
| Height                    | 12 mm   | 24 mm  |
| Material properties       | Self-extinguishing, halogen-free, heat resistance 960 °C                                  | Self-extinguishing, halogen-free, heat resistance 960 °C |
| Weight                    | 5 g   | 8.9 g  |
| Package                   | 40 pcs  | 40 pcs   |
| Additional features       | Extension rings are used to increase the depth of junction boxes: Z70K, Z70KF, PV70, P70F |  |

**Multiwall**  
**MULTIBOX 2**

▶ PS1



▶ PS2



| Colour   Cat. No.     | 70x72 mm   | 70x72 mm   |
|-----------------------|--|--|
| Orange ● 37 165 008 ● |  | 37 166 008 ●   |
| Dimensions            | 70 x 72 mm   | 70 x 72 mm   |
| Material properties   | Self-extinguishing, halogen-free, heat resistance 960 °C   | Self-extinguishing, halogen-free, heat resistance 960 °C   |
| Weight                | 7 g  | 8 g  |
| Package               | 50 pcs   | 50 pcs   |
| Additional features   | Location signalling cover for boxes from Multiwall series + M4x60F, M5x60F. It covers outermost poles. It is used to mark where the box is after plastering. | Location signalling cover for boxes from Multiwall series + M4x60F, M5x60F. It covers the central pole and used with PS1 cover closes the whole box. |

**Multiwall**  
**MULTIBOX 2**

▶ PM1



▶ PM2



| Colour   Cat. No.    | 66x69 mm  | 66x71 mm   |
|----------------------|---|--|
| White ○ 37 162 006 ○ |   | 37 163 006 ○   |
| Dimensions           | 66 x 69 mm  | 66 x 71 mm   |
| Material properties  | Self-extinguishing, halogen-free, heat resistance 960 °C  | Self-extinguishing, halogen-free, heat resistance 960 °C   |
| Weight               | 6 g   | 7 g  |
| Package              | 20 pcs  | 20 pcs   |
| Additional features  | A closing cover for outermost poles in boxes from Multiwall and Multibox2 series + M6x60F. Fixed with 4 mounting screws | A closing cover for central poles in boxes from Multiwall and Multibox2 series + M6x60F. Used with PM1 cover closes the whole box. Fixed with 4 mounting screws. |

**Multiwall**  
**MULTIBOX 2**

▶ PDM60Z



▶ PDM60W



| Colour   Cat. No.    | 30x71x71 mm   | 30x71x71 mm   |
|----------------------|---|---|
| White ○ 37 288 006 ○ |   | 37 289 006 ○  |
| Dimensions           | 30 x 71 x 71 mm   | 30 x 71 x 71 mm   |
| Material properties  | Self-extinguishing, halogen-free, Heat resistance 960 °C  | Self-extinguishing, halogen-free, Heat resistance 960 °C  |
| Weight               | 20 g  | 18 g  |
| Package              | 24 pcs  | 24 pcs  |
| Additional features  | Extension ring is used to increase the depth of junction boxes from Multiwall and Multibox2 series. | Extension ring is used to increase the depth of junction boxes from Multiwall and Multibox2 series. |

▶ KD12



▶ KD71



| Colour   Cat. No.   | Interconnector  | Connector  |
|---------------------|---|--|
| Blue ● 37 088 003 ● |   | 37 015 003 ●   |
| Dimensions          |   |  |
| A / B / C           | 22 mm / 22 mm / -   | 14 mm / 23 mm / 42 mm                                    |
| Material properties | Self-extinguishing, halogen-free, heat resistance 960 °C  | Self-extinguishing, halogen-free, heat resistance 960 °C |
| Weight              | 8.0 g   | 3.2 g  |
| Package             | 50 pcs  | 10 pcs   |
| Additional features | It increases the spacing of serially connected boxes by 14 mm to use a single frame. (S60K, S60KF, S60Kw, S60KFw, S60D, S60DF, S60DFw, S60G, S60Gw, SE2x60, SE2x60G). | For connection of boxes PV60K, PV60D, PST60, PV70, PV80  |

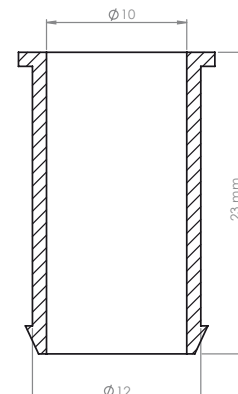
▶ KZ71



▶ E105



| Colour   Cat. No.     | Connector   | Connector  |
|-----------------------|---|--|
| Grey ● 37 261 002 ●   |   |  |
| Orange ● 83 129 008 ● |   |  |
| Dimensions            |   |  |
| Outside diameter      | 66 mm   |  |
| Material properties   | Self-extinguishing, halogen-free, heat resistance 960 °C  | Self-extinguishing, heat resistance 650 °C             |
| Weight                | 4 g   | 2 g  |
| Package               | 10 pcs  | 25 pcs   |
| Additional features   | Interconnector for a serial connection of ZZ60KFw and ZZ60DFw boxes. It gives a standard frame spacing of 71 mm, that allows a user to use multipole frames of any number of poles. | A connector for windproof boxes E2700 and E3700, E135. |



▶ WS60



▶ WS70/80



| Colour   Cat. No.   | Cover 60 mm                             | Cover 70/80 mm                                   |
|---------------------|---|--|
| White ○             | 89 001 006 ○                            | 37 081 006 ○                                     |
| Dimensions          | ø 72 mm                                 | ø 93 mm  |
| Material properties | Heat resistance 650 °C                  | Heat resistance 650 °C                           |
| Weight              | 4.4 g                                   | 11.1 g   |
| Package             | 200 pcs                                 | 150 pcs  |
| Additional features | With springs<br>For junction boxes ø 60 | With springs<br>For junction boxes ø 70 and ø 80 |

▶ PKS60



▶ PL60



| Colour   Cat. No.   | Cover 60 mm   | Cover 60 mm   |
|---------------------|---|---|
| White ○             | 37 268 306 ○  | 37 107 006 ○  |
| Dimensions          | 71 x 71 mm  | ø 59 mm   |
| Material properties | Self-extinguishing, halogen-free, heat resistance 960 °C  | Self-extinguishing, halogen-free, heat resistance 960 °C  |
| Weight              | 12 g  | 7 g   |
| Package             | 10 pcs  | 10 pcs  |
| Additional features | A cover allows the conductors to enter the box of ø 60mm. Special tunnels let in the 3-wire conductor of 1,5 or 2,5 mm <sup>2</sup> . | A smooth cover for cavity wall boxes (PV..) . It can be used in other boxes (Z.. and S.. series), but then it is fixed on the surface of the box. |

▶ PS60



▶ E121

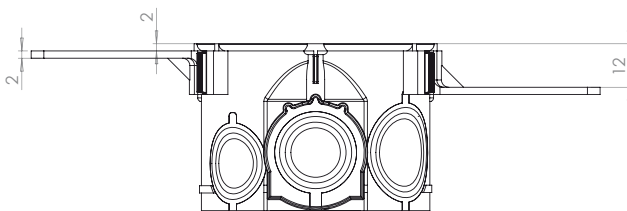
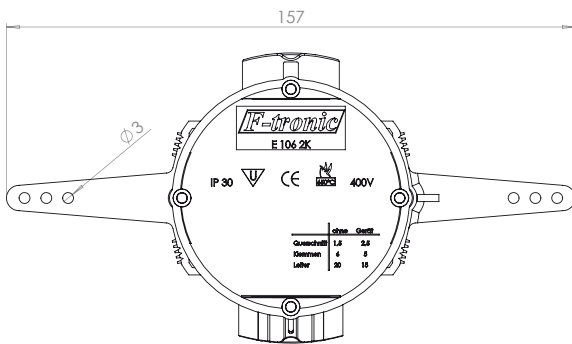


| Colour   Cat. No.   | Signal cover 60 mm  | Signal cover 70 mm  |
|---------------------|---|---|
| Red ●               | _____   | 83 188 001 ●  |
| Orange ●            | 37 083 008 ●  | _____   |
| Diameter            | ø 64 mm   | 69 mm   |
| Material properties | Heat resistance 650 °C  | Heat resistance 650 °C  |
| Weight              | 4.8 g   | 6 g   |
| Package             | 50 pcs  | 50 pcs  |
| Additional features | Location signalling cover for boxes from Z, ZZ S and SE series. It is used to mark where the box is after plastering. | Location signalling cover for junction boxes 70 mm (for Z70K, Z70KF). It is used to mark where the box is after plastering. |

► E104



| Colour   Cat. No.          | NEW   | Mounting holder |
|----------------------------|---|-----------------|
| Red ● 83 116 001 ●         |   |                 |
| <b>Material properties</b> | Self-extinguishing, heat resistance 650 °C  |                 |
| <b>Weight</b>              | 5 g   |                 |
| <b>Package</b>             | 50 pcs  |                 |
| <b>Additional features</b> | A specialist mounting holder for fixing flush mounting boxes in a wall chase. In a prepared chase boxes, that are fixed serially and equipped with holders, are nailed to the wall. It guarantees an even fixture of boxes before starting to plaster. Such mounting makes your work faster, easier and more precise. While ordering our products remember that each box needs two holders. The product matches fixing parts of the body of serial boxes with membrane knockouts: E1062K and E1072K, or E106-2K, E107-2K boxes from F-tronic. |                 |



► F-Clip



| Colour   Cat. No.          | Mounting ring   |
|----------------------------|---|
| White ○ 83 187 003 ○       |   |
| <b>Outside diameter</b>    | Max. 60 mm grooves in the wall  |
| <b>Material properties</b> | Heat resistance 650 °C  |
| <b>Weight</b>              | 2 g   |
| <b>Package</b>             | 50 pcs  |
| <b>Additional features</b> | A clip for fixing cables in grooves used instead of problematic preparatory plastering. |



▶ E06



▶ E07



▶ E08



| Colour   Cat. No.                | Tightening membranes   |               |                 |
|----------------------------------|--|---------------|-----------------|
| Grey ● 83 206 302 ●              | 83 207 302 ●   | 83 208 302 ●  |                 |
| <b>Dimensions</b>                |  |               |                 |
| <b>Diameter outside / inside</b> | 16 mm / 11 mm  | 20 mm / 15 mm | 25 mm / 19.5 mm |
| <b>Package</b>                   | 50 pcs   | 50 pcs        | 50 pcs          |
| <b>Additional features</b>       | <p>A tightening membrane for conduits and boxes, the outside conduit <math>\varnothing</math> 16 mm, the inside conduit <math>\varnothing</math> 11 mm</p> <p>A tightening membrane for conduits and boxes, the outside conduit <math>\varnothing</math> 20mm, the inside conduit <math>\varnothing</math> 15 mm</p> <p>A tightening membrane for conduits and boxes, the outside conduit <math>\varnothing</math> 25 mm, the inside conduit <math>\varnothing</math> 19,5mm</p> <p>A standard usage of grommets is to make the insertion of a conduit to the box tight. If the inserted conduit is loose, it is not airtight. Tightening of the ending of a conduit that is inserted in the box makes the connection airtight/airproof (especially in flush mounted installations.)</p> |               |                 |

▶ E09




▶ E10



▶ DM1



| Colour   Cat. No.                | Tightening membranes  | Grommet $\varnothing$ 32 mm   |
|----------------------------------|---|---|
| Grey ● 83 209 302 ●              | 83 210 302 ●  | _____   |
| White ○ _____                    | _____   | 37 113 906 ○  |
| <b>Dimensions</b>                |   |   |
| <b>Diameter outside / inside</b> | 32 mm / 25 mm   | 40 mm / 31.5 mm   |
| <b>Package</b>                   | 50 pcs  | 50 pcs  |
| <b>Additional features</b>       | <p>A tightening membrane for conduits and boxes, the outside conduit <math>\varnothing</math> 32 mm, the inside conduit <math>\varnothing</math> 25 mm</p> <p>A tightening membrane for conduits and boxes, the outside conduit <math>\varnothing</math> 40 mm, the inside conduit <math>\varnothing</math> 31.5 mm</p> <p>A standard usage of grommets is to make the insertion of a conduit to the box tight. If the inserted conduit is loose, it is not airtight. Tightening of the ending of a conduit that is inserted in the box makes the connection airtight/airproof (especially in flush mounted installations.)</p> |   |
|                                  |   | <p>Cable grommet for surface boxes: N80x80, N90x90, N110x110. For mounting pipes or conductors in diameters: 10; 13.5; 16; 20; 25 mm. The grommet has special rims that gives a tight connection with the conduit or cable.</p>  |

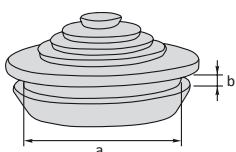
▶ STM25



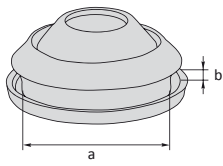
▶ STM32



▶ STM40



| Colour   Cat. No.                        | Grommet $\varnothing$ 25 mm   | Grommet $\varnothing$ 32 mm | Grommet $\varnothing$ 40 mm |
|--|---|-----------------------------|-----------------------------|
| Grey ● 83 121 002 ●                      | 83 122 002 ●  | 83 123 002 ●                |                             |
| <b>Dimensions</b>                        |   |                             |                             |
| <b>Hole spacing for mounting / Depth</b> | 23-26 mm / 3 mm   | 30-33 mm / 3 mm             | 38-40 mm / 3 mm             |
| <b>Diameters of conduits to insert</b>   | 5, 13.5, 16, 20 mm  | 5, 16, 20, 25 mm            | 5, 13.5, 16, 20, 25, 32 mm  |
| <b>Package</b>                           | 20 pcs  | 20 pcs                      | 20 pcs                      |
| <b>Additional features</b>               | <p>Rubber grommets used in junction boxes with an IP 54 for making inlets tight. A required diameter is made by cutting off a protruding part with a utility knife. The grommet is made of special flexible rubber that gives a tight connection with the conduit or cable.</p> |                             |                             |



## ▶ DMS20



## ▶ DMS25



## ▶ DMS32



| Colour   Cat. No.                 | Grommet ø 20 mm | Grommet ø 25 mm | Grommet ø 32 mm |
|-----------------------------------|-----------------|-----------------|-----------------|
| Grey ● 83 124 002 ●               | 83 124 002 ●    | 83 125 002 ●    | 83 126 002 ●    |
| <b>Dimensions</b>                 |                 |                 |                 |
| Hole spacing for mounting / Depth | 20 mm / 3 mm    | 25 mm / 3 mm    | 32 mm / 3 mm    |
| Diameters of conduits to insert   | 6-13.5 mm       | 8-17 mm         | 12-24 mm        |
| Package                           | 20 pcs          | 20 pcs          | 20 pcs          |

## ▶ W16



## ▶ W25



## ▶ W40



| Colour   Cat. No. | Screw 16 mm | Screw 25 mm | Screw 40 mm |
|-------------------|-------------|-------------|-------------|
|                   | 37 086 160  | 37 086 250  | 37 086 400  |
| Screw length      | 16 mm       | 25 mm       | 40 mm       |
| Package           | 100 pcs     | 100 pcs     | 50 pcs      |

## ▶ Onegel



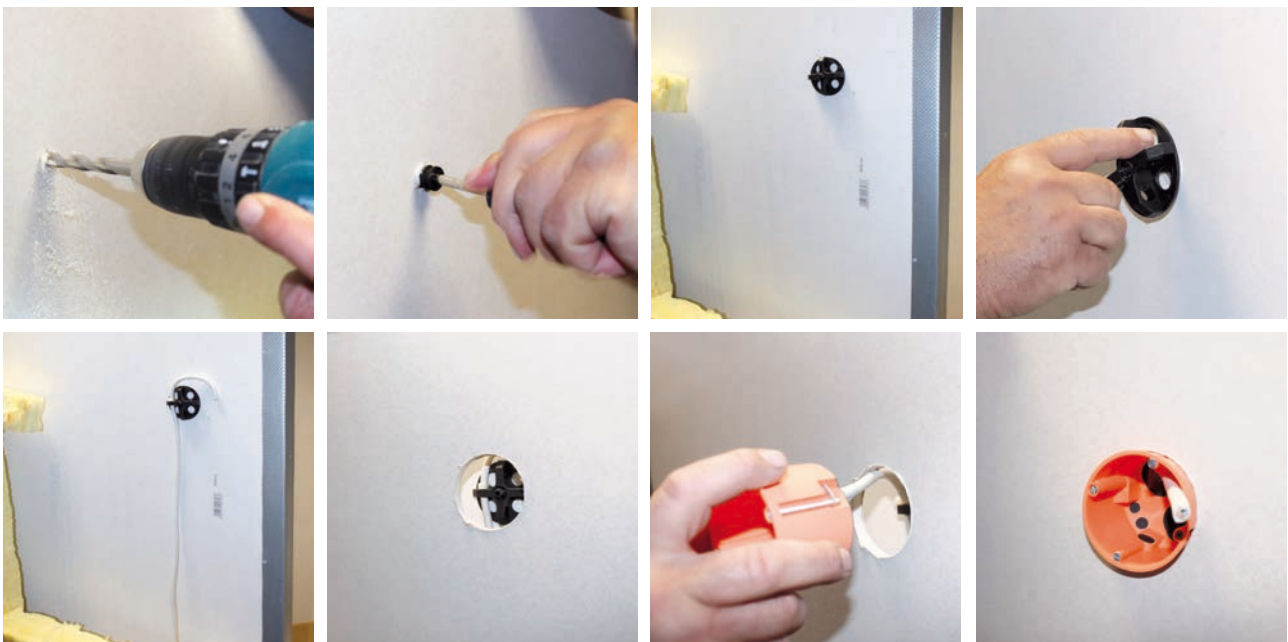
| Colour   Cat. No.          | Insulating gel  |
|----------------------------|---|
| Transparent ○ 89 154 000 ○ |   |
| Operating temperature      | - 60°C ÷ +180°C   |
| Resistance                 | 10 G ohm/mm   |
| Dielectric                 | 25 kV/mm  |
| Weight                     | 300 ml  |
| Package                    | 1 piece   |
| Additional features        | An insulating and filling gel for spaces where electric and electronic devices are. It insulates from humidity, water, dust and gas.<br><b>Advantages:</b> ready to use, transparent, non-toxic, eco-friendly, easy to use, removable so the connection can be reused, for vertical or horizontal use. It can be applied in casings with the outside temperature between +5 and +40 °C. |

▶ MFX



A new product for installation  
in cavity walls  
**Memofix**

| Colour   Cat. No.    | Mounting clip  |
|----------------------|--|
| Black ● 83 115 007 ● |  |
| Weight               | 25 g   |
| Package              | 10 pcs   |
| Additional features  | Memofix is an innovative electrotechnical solution that makes it much easier to install cables in cavity walls. An era of taking out a cable from under the drywall with a curved wire has finished. Now Memofix gives new possibilities that save your time and money. Memofix is an idea to locate the cables at the back of drywall quickly. This solution allows the user to avoid the unexpected expenses of cutting a cable accidentally or losing it under drywall while trying to take it out. We are sure you will never go back to your old methods after using Memofix for the first time. The whole idea can be watched on Youtube, just type Memofix. |



Drill an axis for placing the support/ring, insert a screw, mount the support on the screw, lead the cable through the support, at the back of the drywall drill an axis for a hole saw, make a hole and mount a junction box, take the cable out of the support into the box and it's ready!



**How to read the catalogue number**

The position in the numerical sequence: ... / ... / ... / ... / ... / ... / ... / ...  
 1 2 3 4 5 6 7 8

**Signature/ symbol / indication:**

**position 1,2 – a two-digit number of a product group**

- 11 – Rail-mounted screw terminal blocks NOWA series
- 12 – Rail-mounted screw terminal blocks standard series
- 13 – Rail-mounted screw terminal blocks for special purposes
- 14 – Protective rail-mounted screw terminal blocks
- 15 – Miniature rail-mounted screw terminal blocks
- 17 – Accessories for rail-mounted terminal blocks
- 18 – Cross-connections
- 21 – Thermoplastic screw connector strips – orange series
- 22 – Thermoplastic screw connector strips – traditional orange series
- 23 – Thermoplastic screw connector strips – professional series
- 24 – Thermoplastic screw connector strips – Series for lighting
- 25 – Thermosetting screw connector strips
- 26 – Thermoplastic connector strips for special purposes
- 27 – Cut thermoplastic connector strips
- 31 – Junction boxes for cavity walls – orange series
- 32 – Junction boxes for cavity walls – blue series
- 33 – Flush mounted junction boxes – orange series
- 34 – Flush mounted junction boxes – blue series

- 35 – Surface junction boxes
- 36 – Junction boxes mounted on a TS35 rail
- 37 – Accessories for junction boxes
- 42 – Self-connectors
- 43 – Twisting connectors
- 44 – Porcelain connectors

**position 3,4,5 – three-digit number of a product** (unambiguous for a product of a certain construction)

**position 6,7 – a two-digit version of a product** (informing about individual technical features)

**position 8 – a one-digit version of a colour**

(1 – red, 2 – grey, 3 – blue, 4 – yellow, 5 – green, 6 – white, 7 – black, 8 – orange, 9 – green-yellow, 0 – transparent, natural or metallic)

**An example of a catalogue number, which is a red ZSG1-2.5N connector:**

**11 / 221 / 31 / 1**  
 GROUP      PRODUCT      VERSION      COLOR

**Partnership:**



Simet with SI Powstaniec from Karpicko and SI "Spamel" from Twardogóra established the Polish Group of Electrotechnical Equipment Producers.

[www.gppe.pl](http://www.gppe.pl)



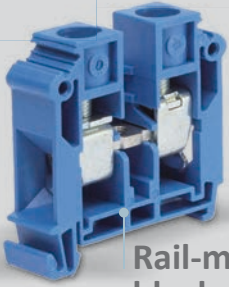
[www.si-karpicko.pl](http://www.si-karpicko.pl)



[www.spamel.com.pl](http://www.spamel.com.pl)

**Simet SA uses following brands for its series of products:**

- MULTIBOX 2** - series of junction boxes for cavity wall
- MultiWall** - series of junction boxes for flush mounting
- FASTBOX** - series of surface junction boxes
- SIMLIC** - series of modular devices
- SIMTEC** - series of digital electricity meters
- NOWA** - series of rail-mounted screw terminal blocks



Rail-mounted terminal blocks Cu



Rail-mounted terminal blocks Al/Cu



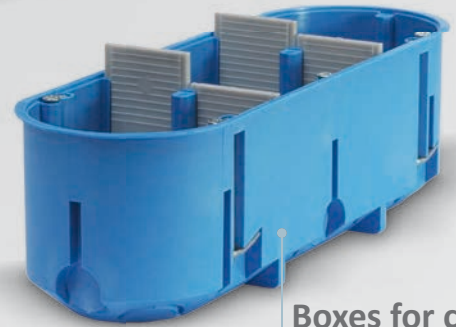
Porcelain terminal blocks



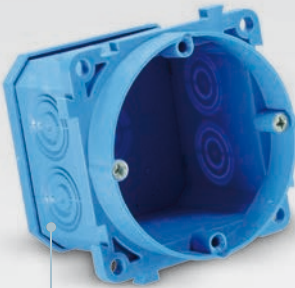
Air-tight boxes



Connector strips



Boxes for cavity walls



Digital electricity meters MID



Flush mounted junction boxes



Surface junction boxes



Varistor surge protectors

COOPERATION WITH FOREIGN PARTNERS:



Simet SA cooperates with German company F-tronic in trade and production areas. In trade offer SIMET have surface junction boxes and with rubber gommets

Full offer: [www.f-tronic.de](http://www.f-tronic.de)



Commercial offer Simet SA includes rail-mounted terminal blocks of company Morek from Lithuania. Simet SA is main distributor of this company in Poland.

Full offer: [www.morek.eu](http://www.morek.eu)

**SIMET SA**

Al. Jana Pawła II 33  
58-506 Jelenia Góra  
T.: +48 75 6471400  
F.: +48 75 6472060

[www.simet.com.pl](http://www.simet.com.pl)

**Orders and queries:**

T.: +48 75 6471481  
F.: +48 75 6472062  
[export@simet.com.pl](mailto:export@simet.com.pl)