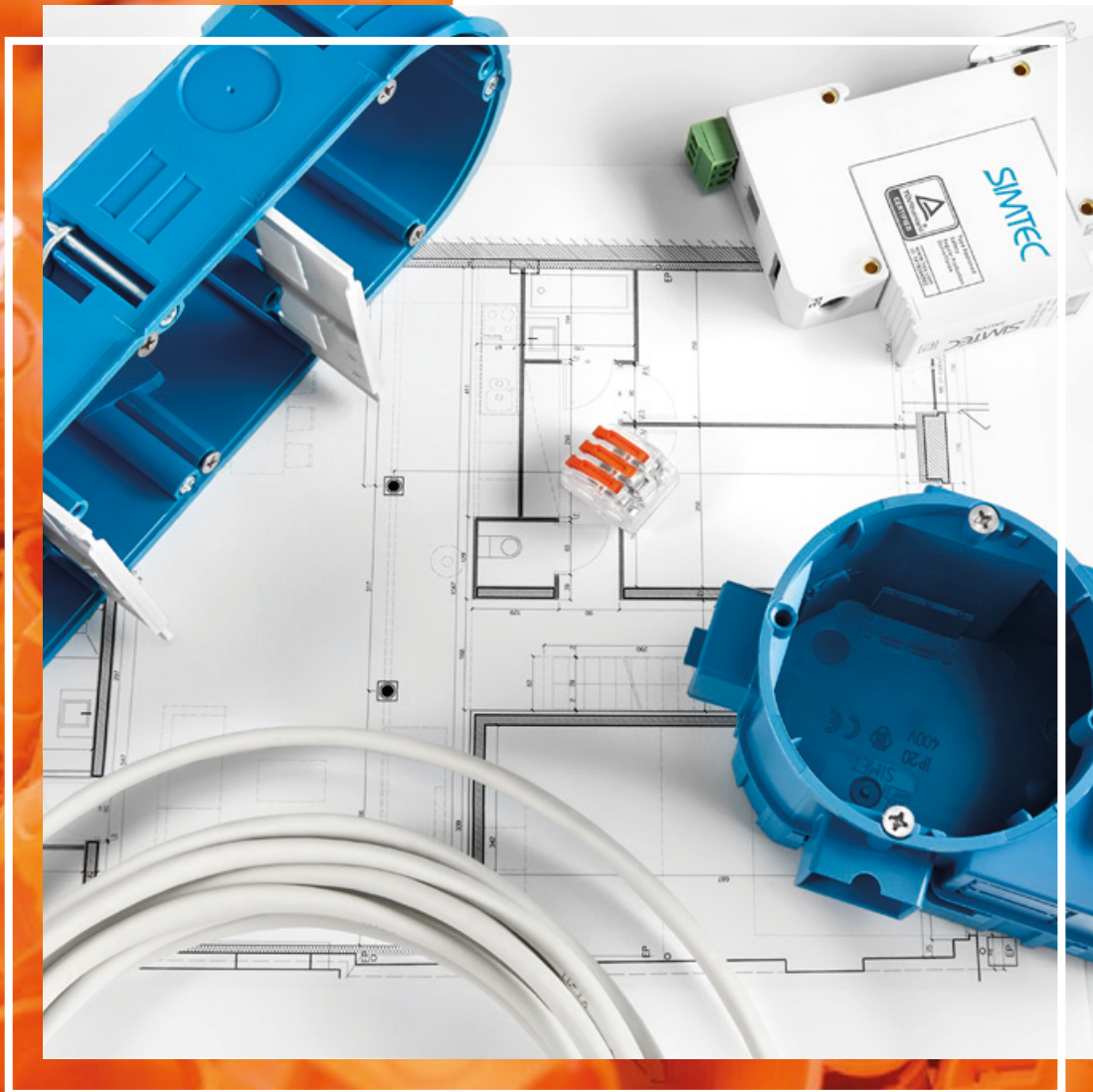




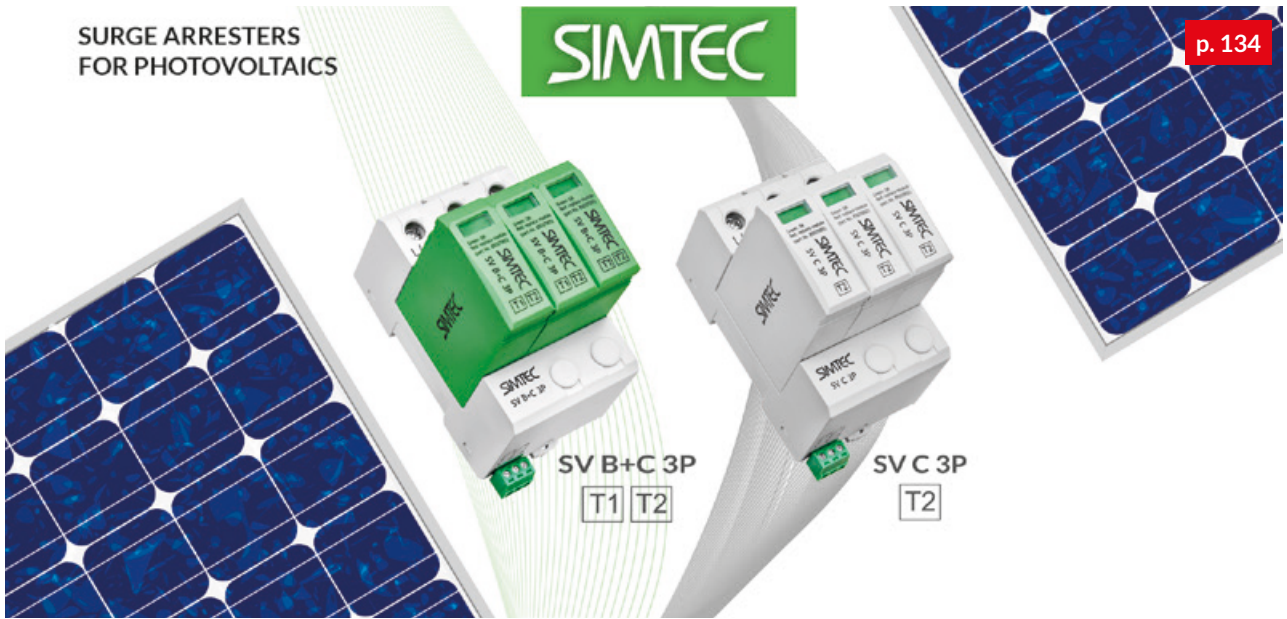
# CATALOGUE OF ELECTROTECHNICAL PRODUCTS 2022 / 2023



SURGE ARRESTERS  
FOR PHOTOVOLTAICS

**SIMTEC**

p. 134



RAIL-MOUNTED SCREW  
TERMINAL BLOCKS

**SIMBLOCK**

DISTRIBUTION BLOCKS

p. 39



STB

SUB

SCB

SDB

SBB

SURFACE JUNCTION BOXES WITH A HOOK

**FASTBOX**<sup>®</sup>  
& HOOK

p. 107





# OUR BESTSELLERS

## FASTBOX<sup>®</sup> & HOOK

NS6



Surface junction box with a hook

p. 107

PV60D



P60DF



Junction boxes for cavity walls

p. 95

SE2x60G

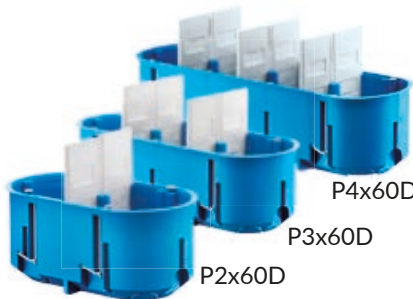


SE2x60

Flush-mounted junction boxes for electronics

p. 93

## MULTIBOX 2



P4x60D

P3x60D

P2x60D

Multi-pole junction boxes for cavity walls

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Flush-mounted junction box

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LTF Connector strips

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LS3-F

Digital electricity meters

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## SIMTEC

ST30B+C 4P Grey



Varistor surge arresters

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## SIMTEC

SM20C 4P Grey



Varistor surge arresters

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## SALES DEPARTMENT OF SIMET

**Maciej Waszak**  
Commercial Director



## DOMESTIC SALES

The product sales are conducted based on the Sales Department of SIMET. The Sales Department's structure includes 5 regional representatives, who maintain commercial relations with domestic recipients.

<b>I area (Pomerania)</b> Szczecin, Koszalin, Słupsk, Gdańsk, Elbląg, Gorzów Wlk, Piła, Bydgoszcz, Toruń	<b>Marcin Poździak</b> +48 502 496 652 <a href="mailto:region1@simet.com.pl">region1@simet.com.pl</a>	<b>III area (West)</b> Zielona Góra, Poznań, Leszno, Jelenia Góra, Legnica, Wrocław, Kalisz, Wałbrzych	<b>Jakub Kacpura</b> +48 502 496 655 <a href="mailto:region3@simet.com.pl">region3@simet.com.pl</a>
<b>V area (Centre)</b> Włocławek, Płock, Konin, Warszawa, Sieradz, Łódź, Olsztyn, Suwałki, Ostrołęka	<b>Jakub Raniszewski</b> +48 502 496 656 <a href="mailto:region5@simet.com.pl">region5@simet.com.pl</a>	<b>VI area (South)</b> Opole, Częstochowa, Katowice, Kraków, Bielsko Biała, Gliwice, Chorzów	<b>Szczepan Wojtas</b> +48 502 496 653 <a href="mailto:region6@simet.com.pl">region6@simet.com.pl</a>
<b>VII area (East)</b> Białystok, Siedlce, Biała Podlaska, Lublin, Kielce, Zamość, Tarnów, Rzeszów, Przemyśl, Nowy Sącz, Radom	<b>Dominik Jakubowski</b> +48 502 496 651 <a href="mailto:region7@simet.com.pl">region7@simet.com.pl</a>		

## FOREIGN SALES



































Our foreign customers are handled by the Foreign Trade Department







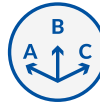
**Justyna Paszkiewicz**  
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## TECHNICAL CONSULTING

+48 512 978 402  
[doradcatech@simet.com.pl](mailto:doradcatech@simet.com.pl)

Pictograms								
Type of material	 polyamide	 polyamide	 polyethylene	 polypropylene	 polyphenylene sulphide	 thermoplastic elastomers	 polystyrene	
Material properties	 fire resistance	 halogen-free	 self-extinguishing	 flame retardancy	 UV	 extinguishing flame retardancy	 extinguishing flame retardancy	
Protection rating	 IP 20	 IP 30	 IP 44	 IP 54	 IP 55	 IP 65	 IP 65 67	 IP 67
Certificates, declarations, standards, tests								
			 INSTYTUT FIZYKI PLAZMY I LASEROWEJ MIKROSYNTEZY ul. Czerwonej 44, 01-206 Warszawa					

Pictograms						
Rated current	Power	Voltage value	Operating temperature	Ambient temperature	Collective packaging	Dimensions
						



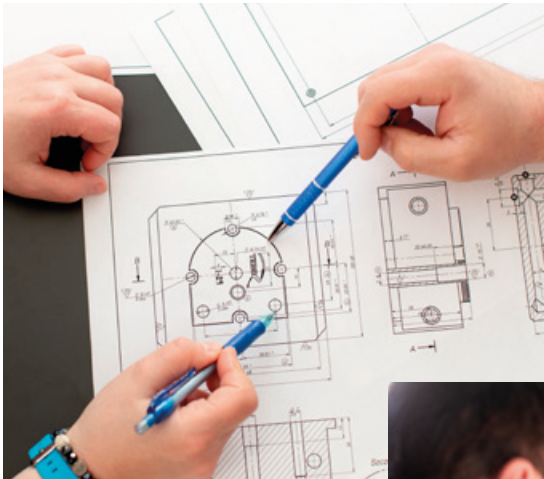
## ELECTROTECHNICAL EQUIPMENT PRODUCER

*„We want to facilitate the work of installers by supplying to the market the products that are characterised not only by excellent quality and precise workmanship, but also by exceptional ergonomics and ease of use.“*

As a leading Polish producer of electrotechnical equipment, we have devoted the last 50 years of our activity to providing all installers with the products that meet high standards applicable in the world of electrical engineering. SIMET is the largest plant of protected work in the area and it currently employs 133 disabled people, out of 232 people employed in the company.



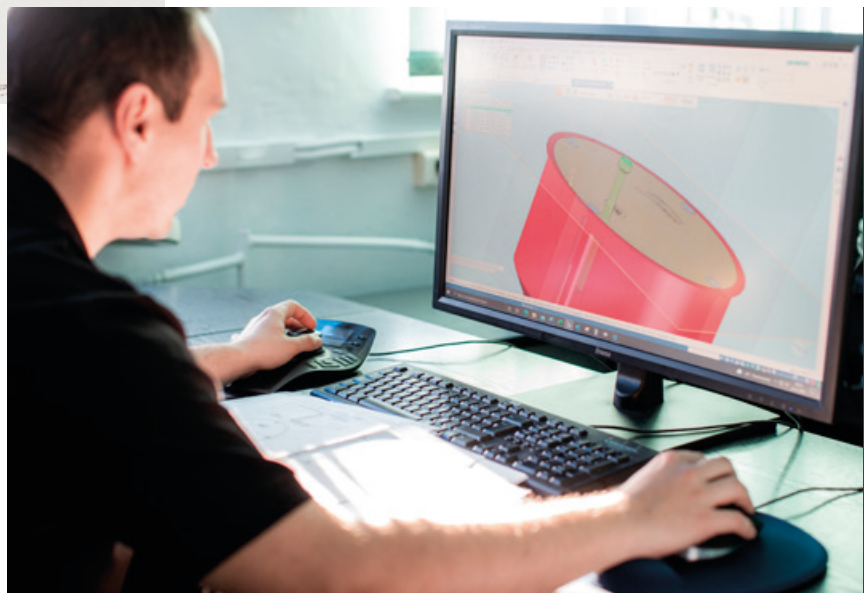
## RESEARCH AND DEVELOPMENT DEPARTMENT



**SIMET puts great emphasis on the improvement of its own products as well as introduction of new products to its offer.**

This is possible thanks to our qualified staff. Due to comprehensive training systems and improvement of the qualifications of our employees, we enhance the quality of products and increase the efficiency of our company's operation.

Our R&D Department consists of experienced design engineers, who anticipate the needs of the installers. We implement innovative projects that correspond to the needs of the market. In the scope of our work, we rely on the CAD3D software, which we use to implement the conceptual works by creating virtual models of our projects.







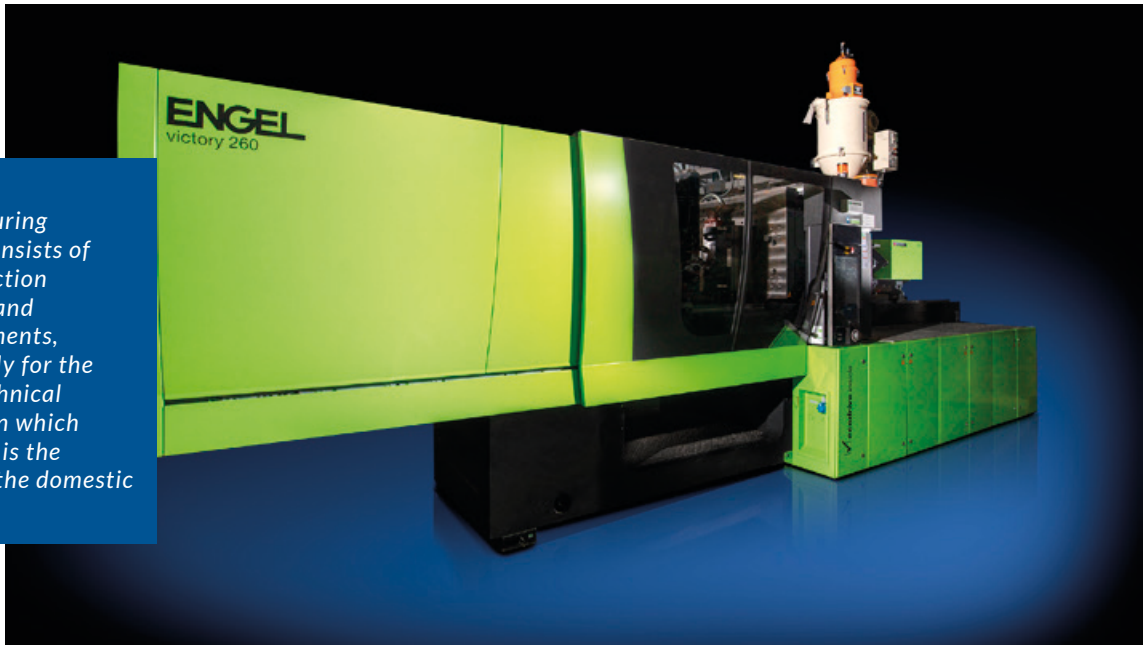
## MODERN STOCK OF MACHINE TOOLS



**SIMET achieved its important position in the industry thanks to its high-class stock of machine tools, which allows to implement new solutions.**

The production of modern electrotechnical equipment made of steel, brass, thermoplastic and thermosetting plastics, as well as electrotechnical porcelain, is implemented with the use of injection moulding machines, machines for the processing of metals, and in the assembly departments.

*Our main manufacturing activity consists of the production of plastic and metal elements, particularly for the electrotechnical industry, in which Simet S.A. is the leader on the domestic market.*





## OUR OWN TOOL-SHOP

*The production support is provided by our own tool-shop, which is mainly used for the production and servicing of moulds used in the processing of plastics. Having such a department at our disposal is very beneficial and provides SIMET S.A. with unlimited control over the entire process - from the idea to the finished product. Our staff constitutes a treasury of knowledge, starting from the creation of moulds and tools, to the production of (among others) junction boxes, while many years of experience protect us from unnecessary waste of time and allow us to avoid mistakes. Servicing of the production line or assembly departments are only a few benefits resulting from having our own tool-shop.*



## INTERNATIONAL COOPERATION

**Our company runs extensive activity as part of the cooperation agreements.**

Our experience results from cooperation with such giants as: Korean LG Electronics, German companies - Flott, Dr Schneider, Geyer AG, SAIA Burgess and Jean Mueller, Philips Lighting, Polish company Fideltronik and the Swiss branch of Johnson Electric. Currently, we are working with the following companies: FEP Fahrzeugelektrik PIRNA GmbH & Co. KG, Fideltronik, MST, Legrand, PAPADELTA, and the branches of EATON from Germany, Romania and France.







## WAREHOUSE INFRASTRUCTURE



### **The available area allows for optimal stock management.**

The company runs its business activity in modern production halls with a total production and warehouse area of 17 100 m<sup>2</sup>, which are located by the main thoroughfare of Jelenia Góra.

*Modern warehouse infrastructure, e.g. a silo for plastics and a high-class warehouse management system, allows to control the production and logistics processes, as well as to quickly respond to changing needs of the market.*





# MULTIBOX

Multi-solution for installers



SIMET SA's offer includes a wide range of multi-pole junction boxes for cavity walls, which ensure connections, as well as protection of electric and teletechnical conductors. The Multibox series products constitute an excellent solution for installers and they are intended for installation in cavity walls, both thick (series of deep junction boxes Multibox 2) and thin ones (series of shallow junction boxes Multibox K).

The Multibox junction box series will be especially useful in electric installations mounted in the OSB and plasterboards. Due to the fact that installations in cavity walls are encumbered with the risk of ignition and spreading of fire, the bodies of junction boxes are made of PA6 polyamide, i.e. self-extinguishing and halogen-free material). The compact and flexible structure of the Multibox junction box easily adapts to the mounting hole. Numerous knockouts at the bottom enable easy and convenient routing of cables, pipes or conduits. The series is valued on the market due to safety of use, functionality, as well as aesthetics.

## More space

Changed structure of the body, along with the use of a new type of hooks provided the possibility to enlarge the space inside the box, while maintaining almost the same external dimensions. The new branching routing system under mounted fittings requires more space, so these junction boxes had to face this challenge. In total, the internal dimensions of Multibox 2 increased by approx. 20%, providing not only convenience, but also new installation possibilities.



Multibox K partitions

## More functionalities

Unlike its predecessors - the idea of these junction boxes is based on retractable partitions that separate the individual installation poles. They fulfil an insulating function, which is justified by the need to separate electric parts from electronic parts, and they also improve the stiffness of the structure. In the lower part, these partitions include knockouts for routing conductors and connections running at the level of the box bottom. Modernised bottom of the junction box makes it easier to cut holes for conduits and installation pipes. Moreover, it is also possible to connect adjacent boxes with the use of  $\varnothing 16\text{mm}$  and  $\varnothing 20\text{mm}$  pipes in Multibox2 and  $\varnothing 20\text{mm}$  and  $\varnothing 25\text{mm}$  pipes in MultiboxK.

Hooks with a new design allow for the mounting of boxes to the walls with very small thickness of the structure - even millimeter thicknesses (made of sheet metal or plastics).



Multibox 2 partitions



## Greater versatility

Junction box versatility is a feature that allows it to be used in individual, often significantly different from the standard ones, installation conditions. The Multibox series provides the possibility of equipping it with box accessories included in the Simet's offer, which allow to obtain new installation applications.

The main innovation increasing its versatility is adaptation to the function of branching junction box, in its entirety or in part, i.e. closing its interior with closing covers (PM1 or PM2). This feature is often useful for jointly placement of electronic, electric and IT devices in the body of the junction box. Moreover, it is possible to use connection covers in it - PKS60. They are intended for routing the conductors out of the enclosed space of the junction box (e.g. for direct connection of electric installation of kitchen fittings to the built-in installation - equipped with wires without plugs).

## More satisfaction

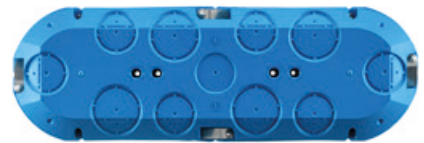
The Multibox series is a reason for Simet's satisfaction and contentment of the installers. The previous series proved successful and generated significant sales, as well as constituted an important position in the development of Simet's products. We are proud of the new one, because we are sure that its innovative features will satisfy electric installers, as well as investors. These ideas were created not only on the drawing board, but also constituted a response to new practices and condition of electric installations. It is a combination of expectations emerging from electrotechnical, construction and partly IT industry.



New hooks allow to mount the junction boxes on thin walls with a thickness of 1mm.



Retractable partitions with knockouts provides convenience in the scope of routing wires between the poles.



Knockouts for the boxes are tight for full insulation of air flow in the box body.



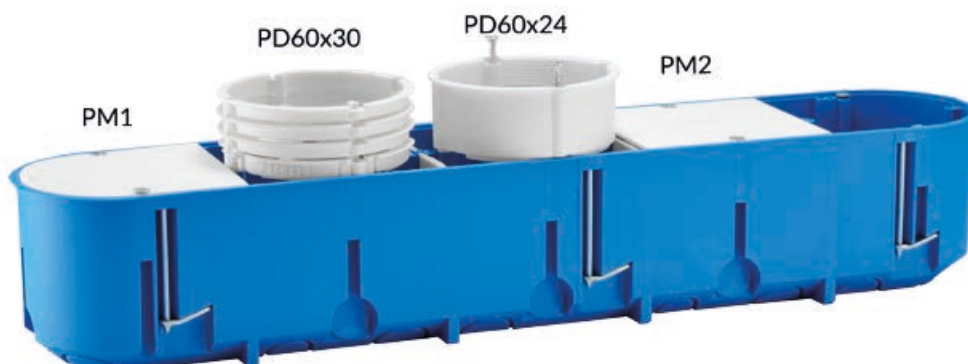
Optional PM1, PM2 covers (closing individual poles of the box).



PKS60 cover (for routing conductors out of the box - they offer many possibilities apart from mounting the fittings).



PDM60Z and PDM60W - segmental extension rings, external and internal.



The Multibox series is the quintessence of innovative solutions and just like before, it does not disappoint - offering new useful electric installation functions. This innovative product has a special task to carry out - removing electric installation disarray behind the TV cabinets, i.e. minimising current splitters on the floors and expanding the number of power outlets mounted in one installation block. Moreover, the version with a cover allows it to be used as branching junction box.

## P6x60D

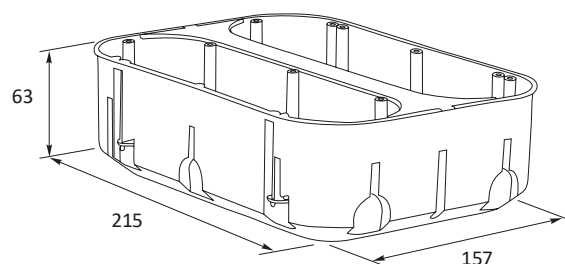
The P6x60D junction box for fittings is a continuation of the production line of Multibox 2 junction boxes for cavity walls. Our goal was to increase the number of poles in a multi-track box over five. Limitations regarding the design of this junction box resulted from the fact that most of the connector and socket manufacturers did not have 6-pole frames in their offer. The solution is to use two 3-pole frames, which are placed one below the other. In order to ensure proper installation of the fittings, a special internal partition is applied between these frames, which cover the clearance between them, so that most frames from various manufacturers can be freely installed in these boxes. This junction box allows for compact (block) embedding of many sockets directly in the wall, without the need for using unaesthetic branching in extension cords or current splitters. The number of used various installation sockets has increased in the recent years due to the use of many connections. In addition to the electric sockets, also the IT, TV, speaker and antenna sockets are used. Similarly to the entire series of Multibox 2 junction boxes, this one is also made of self-extinguishing halogen free material with strong



and compact structure. For demanding installers and modern customers, this product faces new challenges such as electric installations in smart buildings.



Multibox2 - P6x60D



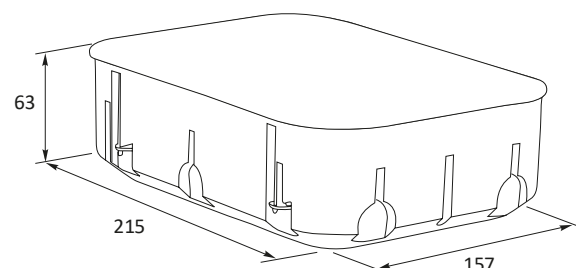
## P6x60DP

The P6x60DP junction box is the second version of the P6x60D junction box for fittings. This one has a completely different application and due to that fact, it has no internal partition, however a cover closing

its interior was added. The electrotechnical task of this junction box is to obtain a large space in the plasterboard for embedding electric or electronic elements.



Multibox2 - P6x60DP





# Multiwall

**Multiwall Series** – the series of multi-pole flush-mounted junction boxes. It consists of six junction boxes: 2-, 3-, 4-, 5-, 6-pole junction boxes, respectively. The idea for these boxes originates directly from the groundbreaking series of multi-pole boxes for cavity walls named Multibox. Multi-polarity, i.e. enclosing a box intended for embedding several pieces of hardware elements in one solid block, has already established itself on the Polish market and such phenomenon decided about the new series' success.



**Interior** - as a standard, these junction boxes are equipped with retractable partitions with knockouts implemented in the end sections in order to allow for routing wires in their lower part, which connect individual elements embedded in the box. The possibility of extending a partition was applied in order to facilitate access to the bottom part of the junction box, where conductors can be routed or, in the case there is no such need, the partition can be simply removed.

The sense of using partitions results from the principle of isolating electric elements from electronic elements, in places where such elements are adjacent. Moreover, partitions improve the stiffness of the entire box structure, which due to the long side walls could be subject to deformations under the impact of masonry works. Box interior does not include any neckings in order to obtain a maximum installation and usable space. The size of internal space became a priority in this case, which is especially important for electrical installers, because there is more and more equipment, which the junction boxes must remain in traditional dimensions. This results from the use of traditional tools for punching holes for the junction boxes, as well as from limited space in the walls.

**Accessories** - as standard, i.e. in the sales version, the junction boxes are equipped with 2 „half partitions” and 4 screws for fittings (M2x60F), and 4 „half partitions” and 8 screws for fittings (M2x60F), respectively. As it is usually implemented in high-class flush-mounted junction boxes, in order to ensure their efficient embedding and then to uncover space in the boxes - signalling covers can be used. Two types of rings are used for this purpose: PS1 - for covering the external spaces of the junction box, and PS2 - for central part of the junction box (P3x60F). This means that in order to fully cover the M2x60F junction box, it is necessary to use two PS1 covers, and in the case of the M3x60F junction boxes, it is necessary to use two PS1 covers and PS2 cover.

## Accessories for the junction boxes of Multiwall series

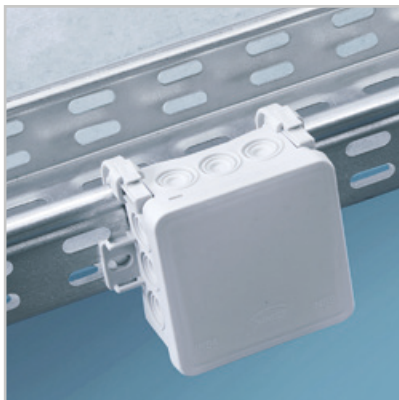
PDM60Z and PDM60W extension rings provide new possibilities for improving the usability of junction boxes. Two models that have been introduced on the market ensure the enlargement of the entire space of junction boxes: PDM60Z - for external poles and PDM60W - for internal poles. They are manufactured in segmental technology and allow individual selection of their height from 6 to 30 mm (by cutting the ring every 6 mm). They are fixed with the use of screws provided with the junction box (in its holes). Each segment of the rings includes mounting holes for fixing them to the face of connectors or sockets with a spacing of 60 mm.



PS series signalling covers and PM series covers complete the accessories by making the series fully usable, just like the accessories in single-pole junction box.

**FASTBOX**<sup>®</sup>  
& HOOK

Fastbox&Hook products consist of surface junction boxes, which have been specially designed for the installation on cable routes. This series of junction boxes is innovative in terms of installation technology and it includes the following junction boxes: NS5, NS6, NS7, NS8, NS9 as well as the HNS hook. Their body is made of polyethylene (PE). The self-locking cover, which is made of polypropylene (PP), results in the fact that after closing, the body of the junction box is stiff. The hook is made of polyamide (PA6). The junction box's bottom includes two openings for inserting hooks, which allow easy installation of the junction box on the cable tray. Quality of these junction boxes has been confirmed by the positive results of tests carried out by the accredited national certification body for electrical products - Quality Research Office (BBJ). As a result of the above-mentioned innovative technology, the installation using the HNS hook is an added value, compared to the previous series of Fastbox junction boxes.



Installation on a cable route with the use HNS hooks takes less than 10 seconds.



An innovative method of installation with the use of hooks, which is reserved in the patent office.



Bracket for mounting with the use of bands or screws (Ø 6mm) that facilitate the installation.



The self-locking cover is made of polypropylene. Its smooth surface allows for placement of the description of the installation.



One central knockout in the NS8 box.



Cutter for knockouts.

# 1.3

## SERIES OF FASTBOX & HOOK IP54 JUNCTION BOXES



Junction boxes in four colours.



Good value for money.



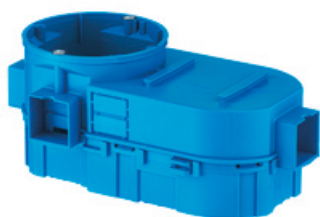
Quality confirmed by the positive results of tests carried out by the BBJ.

# 1.4

## JUNCTION BOXES FOR MOUNTING ELECTRICAL DEVICES

SE2x60 and SG2x60G junction boxes are adapted for embedding specialised electric and electronic devices. Specially widened interior of these junction boxes provides the possibility of placement of additional elements, e.g. control elements, in addition to the fittings mounted on the flange. It is possible to use the entire space of the box for only electronic, electric or control elements and closing them with the PL60 cover. These junction boxes are characterised by serial structure, which allows them to be connected to each other from any given side. The structure of these boxes consists of two separate elements connected via latches.

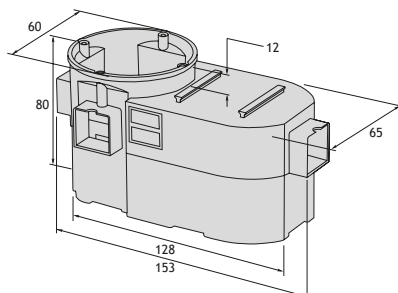
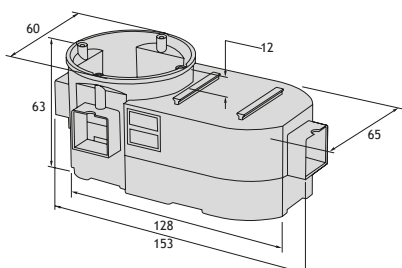
### SE2x60



### SE2x60G



Closure of the junction box space using a cover adapted to the upper box flange (PL60).





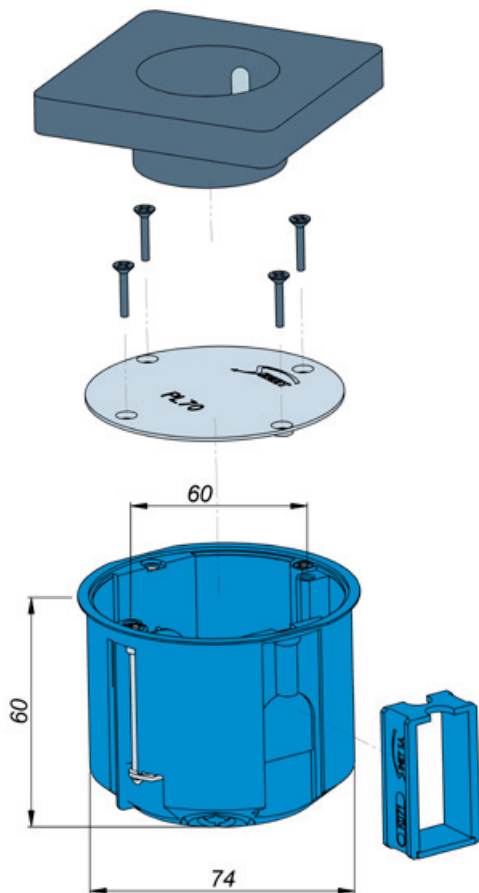
**PV Series - junction boxes for cavity walls - combined**

Junction boxes of the PV series constitute unique products in terms of functional solutions. It includes 4 basic fitting and branching boxes, whose main common feature is their combination into frame systems with a spacing of 71 mm (60 mm in the case of boxes for fittings). Connection of these boxes into blocks is based on one element - KD71 connector that fits all of them, as well as the PST60 box for polystyrene foam insulation. Bodies of the boxes are made of the highest quality material used in electrotechnical engineering - flame-retardant halogen-free polyamide PA6. It meets the requirements of the most rigorous test for heat resistance with a value of 960 °C. The PV60K and PV60D boxes for fittings can be also used as branching after installation of the PL60 cover.



**PV Series - junction boxes for cavity walls - combined**

(Combined boxes of the PV series - PV80, PV70, PV60K, PV60D, KD71)



The cover precisely enters into the box space, creating one plane with the flange.



Convenient knockouts for conduits with a diameter 20 mm that allow for perpendicular routing of the wires.



The box's important structural element is the application of two holes with a spacing of 60 mm. This provides the possibility to mount fittings on the box. Due to the use of larger box diameter, the interior under fittings gained more space.

Connected boxes allow for the application of installation practice consisting of the placement of electronic elements in the space next to the mounted fittings.

# SIMBLOCK



The STB series of aluminium screw terminal blocks is characterised by an extensive variety of applications. They are used in the industrial equipment, automation, wind turbines, solar technology and electrotechnical switchgears - STB screw terminal blocks constitute an exceptionally versatile solution. Their extensive functionality ensures significant advantages in the scope of wire connection technology. All connections implemented using the STB series are safe for the installer in accordance with the EN 50274 standard - they prevent accidental insertion of fingers into the terminal block.

The STB screw terminal blocks are equipped with aluminium terminals. Their special coating makes these terminals suitable not only for aluminium wires, but also for copper ones. The STB terminal blocks hold the certifications for both above-mentioned metals. Furthermore, another advantage of using an aluminium terminal is the significantly lower weight of screw terminal blocks compared to more conventional terminal blocks offered by other manufacturers.

SIMET offers a solution intended for large cross-sections - up to 300 mm<sup>2</sup>. The area in the terminal block has been increased compared to terminal blocks offered by the competitors that have a maximum size of 240 mm<sup>2</sup>, which allows for easier installation of the cables characterised by large cross-sections.

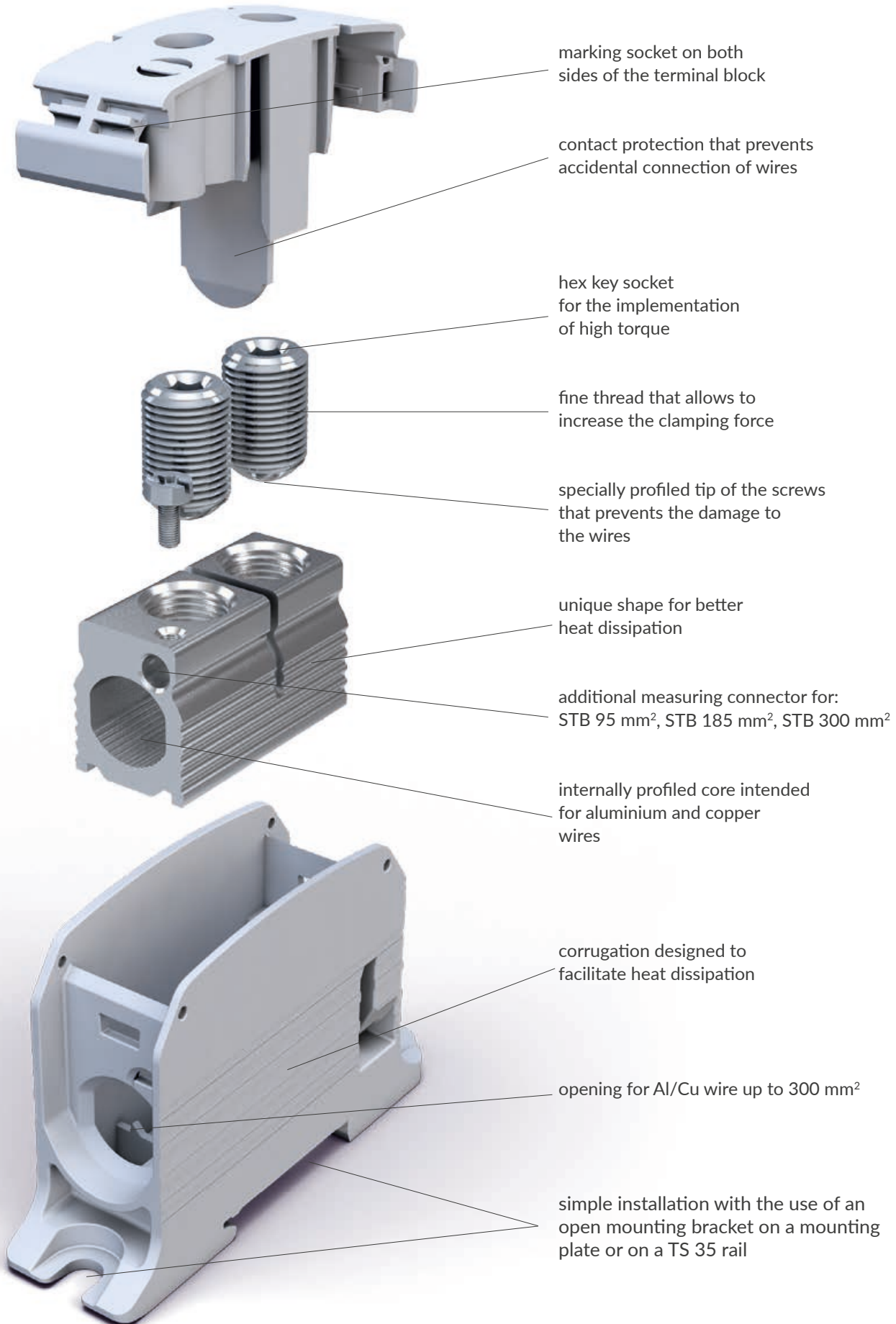
Regardless of whether the installed wires are round, sectoral, solid, multi-core or flexible wires, the additional space allows you to install all types of cables. The STB screw terminal blocks not only allow for the connection of installation wires, but they are also perfect for distribution applications. The STB series of SIMET brand is very user-friendly, primarily due to its compact, space-saving and solid structure. All products included in this series can be installed on the mounting plates or TS 35 rails in accordance with the IEC 60715/EN 50022 standard.

Moreover, the STB terminal blocks are equipped with protection against leakage current, which prevents the contact between the wires inside and possible oxidation. The screws are characterised by hexagonal heads, which allow to obtain high torque during assembly with the use of hex key, while the appropriately machined screw ends prevent damage to soft aluminium wires during installation. The terminal and the plastic housing have been designed in a manner ensuring effective dissipation of heat during use.

As a standard, all STB models with a size  $\geq 95$  mm<sup>2</sup> are equipped with a measuring connector, which makes them optimised for applications associated with power supply of additional devices and monitoring connections, in order to ensure the possibility of uninterrupted analysis and monitoring of the installation, without the need to disconnect previously connected power cables.

The process of installation is easier thanks to the additional accessories. Dust covers stop the unwanted contamination and they include cutouts adapted to the required wire sizes. The terminal blocks are available in RAL colours - grey, brown, black, blue and green, which facilitate the connection marking of live wires, neutral wires and protective wires. The terminal blocks as well as the covers include the possibility of using markers designed to identify the connections of individual wires.

SIMBLOCK



marking socket on both sides of the terminal block

contact protection that prevents accidental connection of wires

hex key socket for the implementation of high torque

fine thread that allows to increase the clamping force

specially profiled tip of the screws that prevents the damage to the wires

unique shape for better heat dissipation

additional measuring connector for: STB 95 mm<sup>2</sup>, STB 185 mm<sup>2</sup>, STB 300 mm<sup>2</sup>

internally profiled core intended for aluminium and copper wires

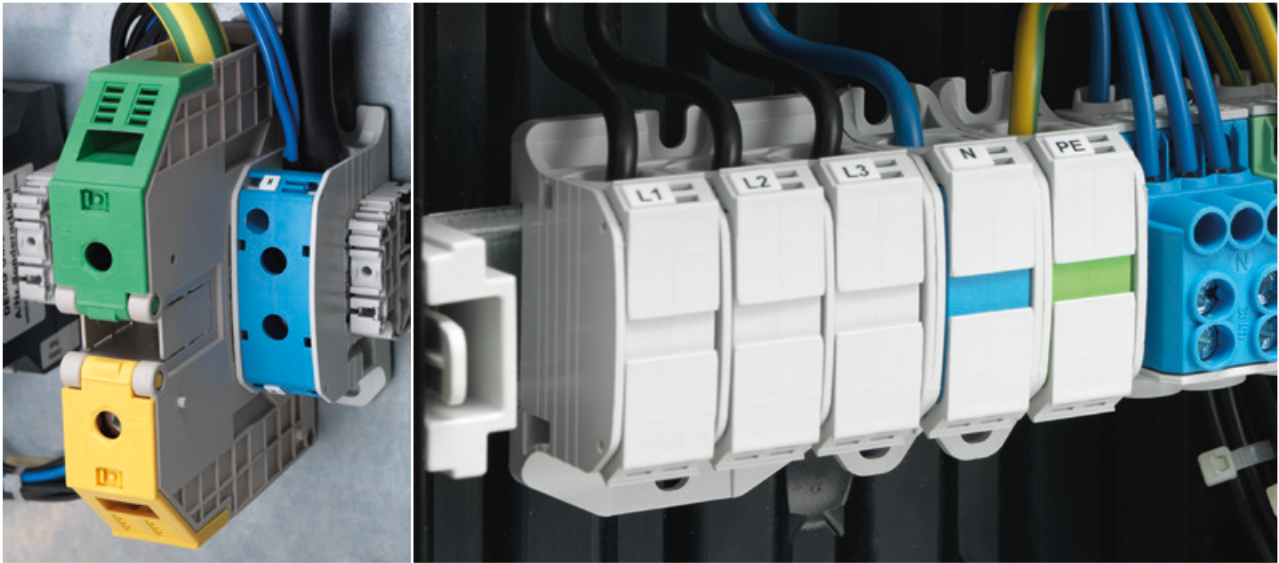
corrugation designed to facilitate heat dissipation

opening for Al/Cu wire up to 300 mm<sup>2</sup>

simple installation with the use of an open mounting bracket on a mounting plate or on a TS 35 rail



## The STB series at a glance



## CHARACTERISTICS

- products intended for aluminium and copper wires
- compact and solid structure
- housing that protects against accidental contact of fingers with the active parts
- simple installation
- easy insertion of wires due to large cross-sections of the terminal blocks

## APPLICATION AREAS

- mechanical engineering
- manufacturing plants
- switchgears
- wind farms
- solar technologies
- automation of production processes
- ... and many others

## OPTIONAL ACCESSORIES

- snap-on dust cover with the possibility of adaptation to the applied wire
- markers for the following wires: L1, L2, L3, N, PE
- coloured covers for identification of the wires

## CERTIFICATES, CONFORMITY AND SAFETY

- ▶ IEC 60947-7-1
- ▶ IEC 61238-1 (Class A)
- ▶ UL-1059
- ▶ UL 486E
- ▶ CSA C22.2 No.158-10



## STB rail-mounted screw terminal blocks

The use of STB series products from 50 mm<sup>2</sup> to 300 mm<sup>2</sup> allows for connection of the wires characterised by cross-sections from 6 mm<sup>2</sup> to 300 mm<sup>2</sup>, as well as the wires equipped with end sleeves from 4 mm<sup>2</sup> to 240 mm<sup>2</sup>. The exceptional structure of these terminal blocks improves the functioning of electrical connections. The unique shape of the core, as well as the special corrugation of the body result in the fact that heat generated during the terminal block's operation is not accumulated, but discharged to the outside. High standard of the Al/Cu connections is guaranteed by the UL 486E certificate. Due to thicker walls of the housing, the terminal block



Al/Cu STB 95 SIMBLOCK Rail-mounted screw terminal blocks

does not deform during tightening of the wires and it is stable on a TS 35 rail. The hex key screws equipped with fine thread increase the clamping force. The colours of body cover (gray/ blue / green / brown / black) refer to the actual colours of connected wires. An exceptional characteristic of the STB from 95 mm<sup>2</sup> to 300 mm<sup>2</sup> is the additional area in its structure for the so-called measuring connector. It provides the possibility to control the status of wire connection in specific location, and to monitor the whole installation. Shape of the housing of each STB terminal block guarantees protection of the installer's hand. The entire aesthetic appearance of the STB is completed with a dust cover (OSTB), which includes a special place for the marking (L1, L2, L3, N, PE).

### SDB Distribution blocks and SUB Universal distribution blocks

SUB has a special place in the entire SIMBLOCK category. This series includes products with input cross-sections from 2.5 mm<sup>2</sup> to 185 mm<sup>2</sup> for the solid-core wires as well as stranded-core wires, and from 1,5 mm<sup>2</sup> to 150 mm<sup>2</sup> for the wires equipped with end sleeves. This provides an unlimited possibility to connect wires characterised by various sizes and shapes. The advantage of these blocks is their ergonomic shape and unique structure. The SUB has been designed in a manner adapted to the inner shape of the installer's hand. Its gentle rounded edges facilitate manual work during installation of wires and protect the installer against unwanted contact with the active part of the core. The transparent SUB cover allows for the inspection of each of the connected and distributed wires. Numerical and letter markings intuitively guide the installer between the input and output channels. At the same time, the SUB includes special places prepared for the purpose of implementing connections with round and flat wires.



Al/Cu SUB 220 SIMBLOCK Universal distribution blocks

With the use of lateral hooks, each SUB may be connected to the adjacent block in order to create a section, in any given order and regardless of the size, and it provides the possibility of bridging them. This may be implemented with the use of round wires, as well as specially insulated flat bridges. An additional advantage is the brass core adapted to operation with a voltage of 1000 V AC / 1500 V DC, which is particularly important in the locations, in which greater loads of the network occur. On the other hand, the SDB series has been designed to distribute power in small switchgears and control cabinets. The SDB series includes blocks with input cross-sections from 2.5 mm<sup>2</sup> to 70 mm<sup>2</sup> for the solid-core wires as well as stranded-core wires, and from 1,5 mm<sup>2</sup> to 50 mm<sup>2</sup> for the wires equipped with end sleeves. In the cases, in which wires with smaller cross-sections are used and in which a lower current intensity occurs, the SDB successfully fulfills its function. The SDB 100 may be mounted horizontally as well as vertically, while the lateral hooks allow to create sections on the TS 35 rail in any given order.

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### SCB BRANCH DISTRIBUTION BLOCKS

SCB is a very significant distribution block, which should be used by the installer when connecting power cables, both in devices and facilities. In the case of this product, there is a possibility to connect the wires from 2.5 mm<sup>2</sup> to 70 mm<sup>2</sup>, as well as the wires equipped with end sleeve from 1,5 mm<sup>2</sup> to 50 mm<sup>2</sup>. The characteristic that distinguishes the SCB blocks from all other similar products on the Polish market is its width. In the case of the SCB 25, its width amounts to only 17.8 mm. This dimension, when calculated for the length of the standard TS 35 rail, used in the connection cabinets and switchgears, provides the possibility of installing more SCBs in series. This is particularly significant in the scope of using the space intended for BRANCH DISTRIBUTION BLOCKS in the area of every electrical cabinet. As a result, the installer has more possibilities to freely route the wires. Another advantage is the durability of terminals intended for locking of the wires in the SCB core. Every wire introduced into the SCB is secured with the use of two set screws. By using an appropriate screwdriver, it is possible to achieve durable fixing of the wire with a specific cross-section in the innovatively constructed core. Structure of the SCB housing prevents the screws from falling out. All SCBs are characterised by the possibility of being combined into sections, while the 3-, 4- and 5-pole SCBs may be additionally installed in horizontal as well as vertical position. Such positioning possibility of SCB in the connection cabinets and switchgears will be appreciated by every installer encountering some spatial limitations during conducted installation works. BRANCH DISTRIBUTION BLOCKS may also be used by the distributors and owners of power grids during implementation of connections in the facilities.



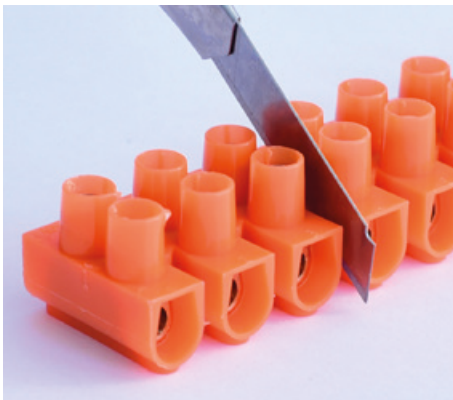
Al/Cu SCB 25-5X SIMBLOCK Branch distribution block

Thermoplastic screw connectors strips are a traditional electrotechnical product used in connection technology. Almost 30 years of production experience, as well as our high position on the Polish and European market place make us the leader position in this range of products. These products are used to connect wires in junction boxes, lighting technology, cable-distribution cabinets and other common electric installation works. „12-track products” are widely used in the scope of connecting single- and multi-solid wire conductors. The series manufactured by Simet allows for connecting conductors in the range from 0.5 mm<sup>2</sup> to 35 mm<sup>2</sup>. Currently, our range of products consists of five product series and accessories used with thermoplastic connector strips.

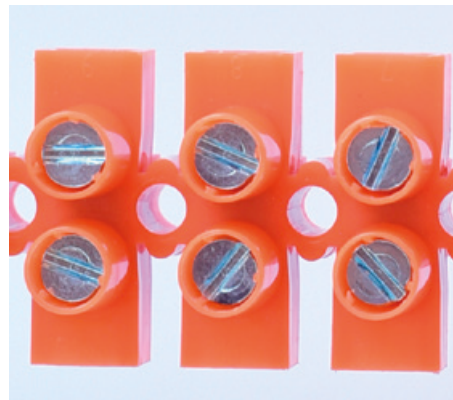


### Traditional orange series

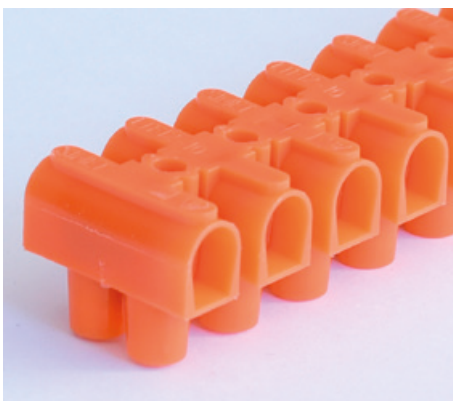
These products are widely used in basic electric installation works. They are mainly applied in lighting technology, connections in junction boxes and other connections for low-voltage currents. Favourable price, exceptional ease of current circuit separation, as well as hand-friendly soft flexible body material are the main advantages of the series. The body of these products is made of polyethylene, which provides the possibility of ease division of the terminal block into the desired number of current circuits with the use of mounting knife or by twisting the connector. The terminal block is equipped with holes that allow it to be attached to a substrate or a holder provides the possibility of its mounting on a TS35 rail. The terminal blocks are equipped with solid brass current circuits and galvanised screws. Operating temperature: - 40 °C to + 55 °C.



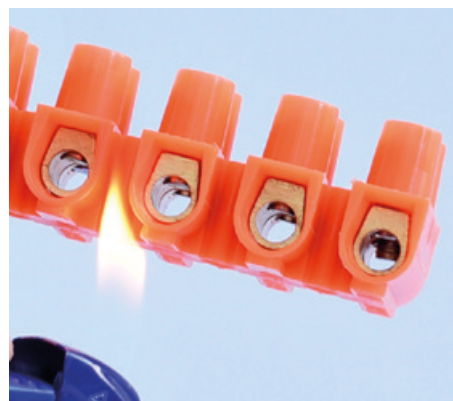
Easy separation for current circuits.



Holes that allow mounting to a substrate.



Rounded edges are convenient in use.



The body made of non-flammable polypropylene.



### Standard series

The standard series products are intended for industrial applications, especially where the quality of connection should be characterised by increased durability and higher resistance to weather conditions. Its distinguishing feature is the body material - Polyamide PA 6 and the covering of brass clamp with galvanic coating, which increases the resistance to corrosion. The plastic used in this product is characterised by the following properties: elasticity - resistance to cracks, good electric and mechanical properties (puncture resistance, resistance to creeping current  $CTI > 600$ , operating temperature from  $-40\text{ }^{\circ}\text{C}$  to  $+85\text{ }^{\circ}\text{C}$ , long-term operation at elevated temperature  $+85\text{ }^{\circ}\text{C}$ ), halogen-free material. Body material in the mounting holes has special grooves that improve division of terminal blocks into segments.



Easy separation into current circuits due to knockouts in connectors.



Clamps and screws covered by galvanic coating.



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

The series intended for professional applications manufactured in accordance with assumptions of the German VDE standard. These products are distinguished by the use of the best body material. It is polyamide PA 66, which is characterised by high operating temperature, as well as optimal mechanical and electric properties (puncture resistance, resistance to creeping currents  $CTI > 600$ , resistance to „thermal aging”, operating temperature from  $-40\text{ }^{\circ}\text{C}$  to  $+125\text{ }^{\circ}\text{C}$ , short-term peak operation at elevated temperature up to  $+200\text{ }^{\circ}\text{C}$ ). The product is halogen-free - it does not contain silicone connections, PCB and dioxin).



Increased distance between the current circuits.



Clamps and screws covered by galvanic coating



Polyamide PA66 - halogen-free, self-extinguishing material.

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

Similarly to the professional series, it is made of polyamide PA 66 and in principle, in terms of the body and clamp characteristics, it is similar to those terminal blocks. The distinguishing feature is the use of a steel plate inside the clamp. The purpose of this plate is to provide pressure caused by tightening the conductor screw in such a manner that its structure is not damaged. These characteristics are useful in the cases, where situations of temporary wire disconnection occur, or where there will be no possibility of clamp control during a longer period of time. This clamp is also useful in the case, when periodic forces acting on the conductor occur that can break it out of the terminal block. The conductor material is pressed there on a larger space and provides greater stability of the connected system.



# NowA

The NOWA series was developed with consideration of the functional needs, as well as the latest trends emerging on the market, in a group of terminal blocks mounted on a TS 35 rail. It includes many innovative solutions that facilitate installation work. It covers terminal blocks with a rated cross-section from 2.5 to 120 mm<sup>2</sup>. They are used in switching stations, cable connectors, switching boxes, control cabinets and electrical devices.

The most important functional features that determine high quality of the series include:

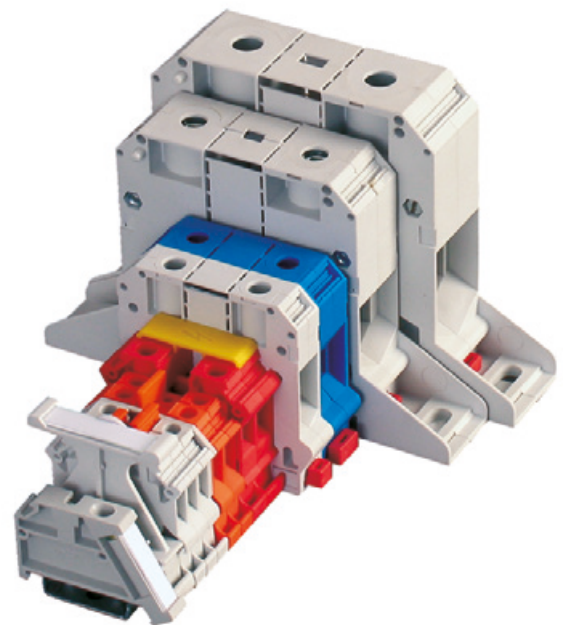
- Modern screw clamp - a combination of steel and galvanised copper is used - this allows for the use of high wire clamping force and stability of embedding in this clamp. A spring upper part of the clamp protects against automatic loosening of the clamp.
- „+/-“ screws used in the pressure screws of the terminal blocks in the range 2.5 - 10 mm<sup>2</sup> allow for the possibility of efficient manual and mechanical tightening. Allen screw is used in the terminal blocks in the range from 16 to 120 mm<sup>2</sup> due to the use of higher wire tightening torques.
- Current circuits - made of brass, covered with galvanised coating, provide optimal conditions of electric connection, with minimal voltage drop, and protect against corrosion.
- Body - made of polyamide PA66 of high quality in electric and mechanical terms. This body is characterised by good fire resistance and it is a halogen-free material, manufactured in V0 class. Operating temperature of the terminal blocks' working environment: -25° C ... + 125° C.
- Small size - structure of these terminal blocks has been developed in accordance with the principle of spatial optimisation. Dimensions of the terminal blocks are extremely small in their class and allow for economical use of space in the switch cabinets.

Main advantage of the NOWA series rail-mounted terminal blocks is the possibility of using supplementary equipment, which consists of electric short-circuit bridges:

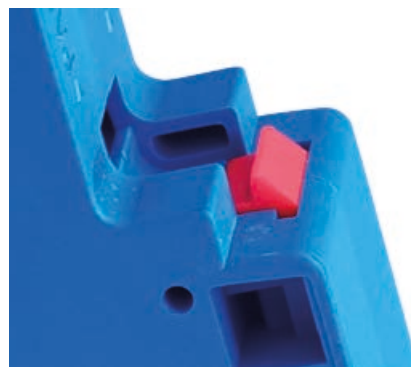
- Compound screw short-circuit bridge - allows for convenient and durable connection of current circuits of the rail-mounted terminal blocks. Its integrated structure, along with the insulating element, enables quick and safe installation.
- Plug-in short-circuit bridge - the latest-generation short-circuit bridge characterised by exceptional

comfort in quick and secure mounting. It just have to be inserted into the current circuit, without the use of any tools. Its new original feature is the possibility of alternating use of short-circuit bridges, where e.g. using 2-pole short-circuit bridge it is possible to connect any given number of terminal blocks.

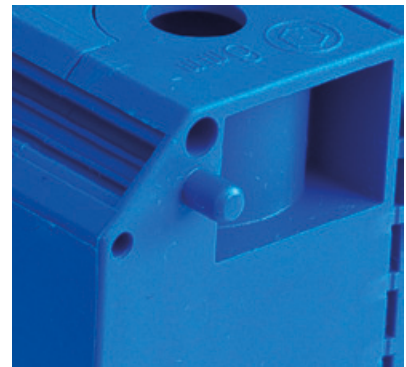
Short-circuit bridges allow for breaking the internal poles and providing the possibility of shorting terminal blocks that are not located in their immediate vicinity.



Body tightening screw.



Clamp for mounting on a rail.



Pin fastening the adjacent terminal blocks 16, 36, 70 and 120 mm<sup>2</sup>.



# TERMINAL BLOCKS



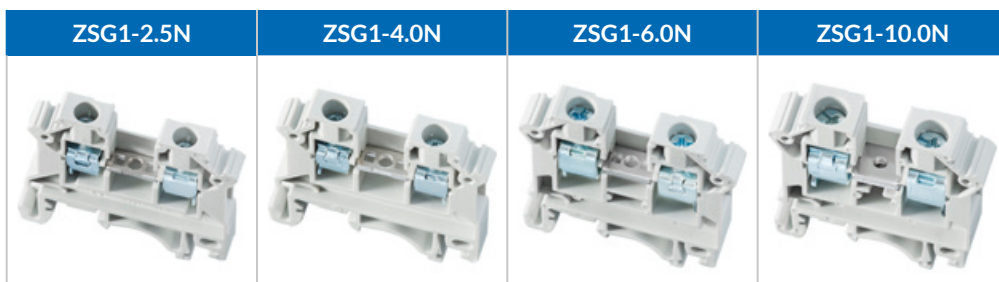
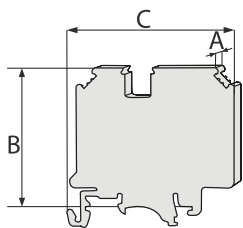
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## RAIL-MOUNTED SCREW TERMINAL BLOCKS

NOWA series

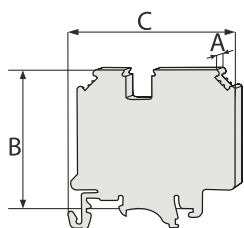


# NowA



	ZSG1-2.5N	ZSG1-4.0N	ZSG1-6.0N	ZSG1-10.0N
	<b>2,5 mm<sup>2</sup></b>	<b>4 mm<sup>2</sup></b>	<b>6 mm<sup>2</sup></b>	<b>10 mm<sup>2</sup></b>
<b>Colour   Cat. number</b>				
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 ●
<b>Standard</b>	PN-EN IEC 60947-1	PN-EN IEC 60947-1	PN-EN IEC 60947-1	PN-EN IEC 60947-1
<b>Certificate / Declaration</b>	CE	CE	CE	CE
<b>Rated cross-section</b>	2,5	4	6	10
<b>Solid wire</b>	0,5 ... 2,5 mm <sup>2</sup>	0,5 ... 4 mm <sup>2</sup>	0,5 ... 6 mm <sup>2</sup>	1,5 ... 10 mm <sup>2</sup>
<b>Stranded wire</b>	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>
<b>Current data</b>				
<b>Rated voltage (max. impulse)</b>	800 V / 6 kV	800 V / 6 kV	800 V / 6 kV	800 V / 6 kV
<b>Rated current</b>	24 A	32 A	41 A	57 A
<b>External dimensions</b>				
<b>A / B / C [mm]</b>	6 / 34 / 44	6,5 / 34 / 44	8 / 39,5 / 48	10 / 39,5 / 48
<b>Set screw - bolt</b>	M2,5	M3	M3,5	M4
<b>Tightening torque</b>	0,4 ... 0,6 Nm	0,4 ... 1,0 Nm	0,8 ... 1,6 Nm	1,2 ... 2,0 Nm
<b>Stripped wire length</b>	10 mm	10 mm	12 mm	12 mm
<b>Mounting</b>	on TS 32, TS 35 rail	on TS 32, TS 35 rail	on TS 32, TS 35 rail	on TS 32, TS 35 rail
<b>Weight</b>	6,6 g	7,5 g	13 g	17,3 g
<b>Collective packaging</b>	50 pcs	50 pcs	50 pcs	50 pcs

Optional equipment	Designation	Cat. no.	Col. pack.	Designation	Cat. no.	Col. pack.	Designation	Cat. no.	Col. pack.	Designation	Cat. no.	Col. pack.	
<b>Spacer</b>													
	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
<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>Screw-cross connection</b>													
	2-pole	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-pole	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-pole	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-pole	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
<b>Pluggable cross connection</b>													
	2-pole	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-pole	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			
<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>Marker</b>													
		DK / Z5			DK / Z5			DK / Z5			DK / Z6		
								DK / Z6					



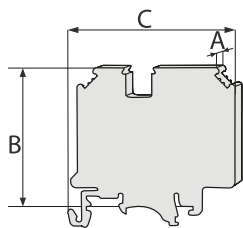
	ZSG1-16.0N	ZSG1-35.0N	ZSG1-70N	ZSG1-120N
	<b>16 mm<sup>2</sup></b>	<b>35 mm<sup>2</sup></b>	<b>70 mm<sup>2</sup></b>	<b>120 mm<sup>2</sup></b>
<b>Colour   Cat. number</b>				
Red ●	11 621 311 ●	11 721 311 ●	—	—
Grey ●	11 621 312 ●	11 721 312 ●	11 951 312 ●	11 953 312 ●
Blue ●	11 621 313 ●	11 721 313 ●	11 951 313 ●	11 953 313 ●
Yellow ●	11 621 314 ●	11 721 314 ●	—	—
<b>Standard</b>	PN-EN IEC 60947-1	PN-EN IEC 60947-1	PN-EN IEC 60947-1	PN-EN IEC 60947-1
<b>Certificate / Declaration</b>	CE	CE	CE	CE
<b>Rated cross-section</b>	16	35	70	120
<b>Solid wire</b>	2,5 ... 16 mm <sup>2</sup>	2,5 ... 35 mm <sup>2</sup>	10 ... 70 mm <sup>2</sup>	35 ... 120 mm <sup>2</sup>
<b>Stranded wire</b>	2,5 ... 16 mm <sup>2</sup>	2,5 ... 35 mm <sup>2</sup>	10 ... 70 mm <sup>2</sup>	35 ... 120 mm <sup>2</sup>
<b>Current data</b>				
<b>Rated voltage (max. impulse)</b>	800 V / 6 kV	800 V / 6 kV	1000 V / 8 kV	1000 V / 8 kV
<b>Rated current</b>	76 A	125 A	192 A	269 A
<b>External dimensions</b>				
<b>A / B / C [mm]</b>	12 / 52,5 / 60	16 / 53 / 60	24 / 78 / 132	26 / 89 / 140
<b>Set screw - bolt</b>	screw type +/- M5x12	screw M6x12 / allen 5 mm	allen 6 mm	allen 8 mm
<b>Tightening torque</b>	1,2 ... 2,0 Nm	2,5 ... 5,0 Nm	12 Nm	20 Nm
<b>Stripped wire length</b>	14 mm	17 mm	23 mm	26 mm
<b>Mounting</b>	on TS 35 rail	on TS 35 rail	on TS 35 rail	on TS 35 rail
<b>Weight</b>	33,8 g	55,7 g	179 g	280 g
<b>Collective packaging</b>	40 pcs	20 pcs	5 pcs	5 pcs

Optional equipment	Designation	Cat. no.	Col. pack.	Designation	Cat. no.	Col. pack.	Designation	Cat. no.	Col. pack.	Designation	Cat. no.	Col. pack.
<b>Spacer</b>												
Grey ●	closed structure that does not require a spacer			closed structure that does not require a spacer			closed structure that does not require a spacer			closed structure that does not require a spacer		
<b>End bracket</b>												
	Grey ●	T 910	17 910 312	50 pcs	Grey ●	T 910	17 910 312	50 pcs	Grey ●	T 910	17 910 312	50 pcs
	Grey ●	T 940	17 940 312	50 pcs	Grey ●	T 940	17 940 312	50 pcs	Grey ●	T 940	17 940 312	50 pcs
<b>Screw-cross connection</b>												
	2-pole	ZZ 2-16.0	18 621 128	10 pcs	ZZ 2-35.0	18 721 128	10 pcs					
	4-pole	ZZ 4-16.0	18 621 148	10 pcs	ZZ 4-35.0	18 721 148	10 pcs					
<b>Screw-cross connection</b>												
	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
<b>Rail marker</b>												
	Grey ●	T 900	17 900 302	50 pcs	Grey ●	T 900	17 900 302	50 pcs	Grey ●	T 900	17 900 302	50 pcs
	Grey ●	T 927	17 927 302	50 pcs	Grey ●	T 927	17 927 302	50 pcs	Grey ●	T 927	17 927 302	50 pcs
<b>Marker</b>												
		DK / Z6			DK / Z6		DK / Z6			DK / Z6		

# 2.1.2

## RAIL-MOUNTED SCREW TERMINAL BLOCKS

Standard series

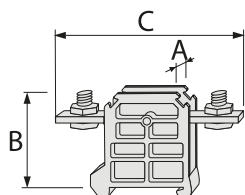


	lowered structure <b>16 mm<sup>2</sup></b>	lowered structure <b>35 mm<sup>2</sup></b>	<b>70 mm<sup>2</sup></b>
<b>Colour   Cat. number</b>			
Red ●	12 601 311 ●	12 701 311 ●	12 901 312 ●
Grey ●	12 601 312 ●	12 701 312 ●	12 901 313 ●
Blue ●	12 601 313 ●	12 701 313 ●	12 901 314 ●
Yellow ●	12 601 314 ●	12 701 314 ●	—
<b>Standard</b>	PN-EN IEC 60947-1	PN-EN IEC 60947-1	PN-EN 60998-1
<b>Certificate / Declaration</b>	CE	CE	CE
<b>Rated cross-section</b>	16	35	70
<b>Solid wire</b>	2,5 ... 16 mm <sup>2</sup>	2,5 ... 35 mm <sup>2</sup>	10 ... 70 mm <sup>2</sup> (with a cable lug)
<b>Stranded wire</b>	4 ... 16 mm <sup>2</sup>	2,5 ... 25 mm <sup>2</sup>	10 ... 70 mm <sup>2</sup> (with a cable lug)
<b>Current data</b>			
<b>Rated voltage (max. impulse)</b>	800 V / 6 kV	800 V / 6 kV	800 V / 8 kV
<b>Rated current</b>	76 A	125 A	192 A
<b>External dimensions</b>			
<b>A / B / C [mm]</b>	13 / 41 / 48	14 / 44 / 58	41 / 61 / 88
<b>Set screw - bolt</b>	screw type +/- M5x12	screw M6x12 / allen 5 mm	M8
<b>Tightening torque</b>	1,2 ... 2,0 Nm	2,5 ... 5,0 Nm	25 ... 30 Nm
<b>Stripped wire length</b>	12 mm	14 mm	29 mm
<b>Mounting</b>	on TS 35 rail	on TS 35 rail	on TS 35 rail + screw
<b>Weight</b>	27,0 g	50,5 g	179 g
<b>Collective packaging</b>			

Optional equipment	Designation	Cat. no.	Col. pack.	Designation	Cat. no.	Col. pack.	Optional equipment	Designation	Cat. no.	Col. pack.
<b>Spacer</b>							<b>Spacer</b>			
Grey ●	T 922	17 922 302	25 pcs	T 922	17 922 302	25 pcs	Grey ●	T 924	17 924 302	25 pcs
	T 925	17 925 302	25 pcs	T 923	17 923 302	25 pcs				
<b>End bracket</b>							<b>End bracket</b>			
Grey ●	T 910	17 910 312	50 pcs	T 910	17 910 312	50 pcs	Grey ●	T 910	17 910 312	50 pcs
Grey ●	T 940	17 940 312	50 pcs	T 940	17 940 312	50 pcs	Grey ●	T 940	17 940 312	50 pcs
<b>Fixed cross connection</b>							<b>Cover</b>	<b>Additional equipment</b>		
2-pole	ZW 62/T18	18 601 020	10 pcs	ZW 72/T19	18 701 020	10 pcs	Yellow ●	Cover ZP 200 (item no. 89 926 004)	5 pcs	
10-pole	ZW 61/T18	18 601 100	10 pcs							
<b>Rail marker</b>							<b>Rail marker</b>			
Grey ●	T 900	17 900 302	50 pcs	T 900	17 900 302	50 pcs	Grey ●	T 900	17 900 302	50 pcs
Grey ●	T 927	17 927 302	50 pcs	T 927	17 927 302	50 pcs	Grey ●	T 927	17 927 302	50 pcs
<b>Marker</b>							<b>Marker</b>			
		DK / Z6			DK / Z6				DK / Z6	

NOTE! After placement on the rail, the terminal block must be secured by tightening the screw in its body. Path of the current made of electrotechnical copper and galvanised.





	ZSG1-95.0	ZSG1-120.0	ZSG1-240.0
	<b>95 mm<sup>2</sup></b>	<b>120 mm<sup>2</sup></b>	<b>240 mm<sup>2</sup></b>
<b>Colour   Cat. number</b>			
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 ●
<b>Standard</b>	PN-EN 60998-1	PN-EN 60998-1	PN-EN 60998-1
<b>Certificate / Declaration</b>	CE	CE	CE
<b>Rated cross-section</b>	95	120	240
<b>Solid wire</b>	10 ... 95 mm <sup>2</sup> (with a cable lug)	35 ... 120 mm <sup>2</sup> (with a cable lug)	10 ... 240 mm <sup>2</sup> (with a cable lug)
<b>Stranded wire</b>	10 ... 95 mm <sup>2</sup> (with a cable lug)	35 ... 120 mm <sup>2</sup> (with a cable lug)	10 ... 240 mm <sup>2</sup> (with a cable lug)
<b>Current data</b>			
<b>Rated voltage (max. impulse)</b>	800 V / 8 kV	800 V / 8 kV	800 V / 8 kV
<b>Rated current</b>	232 A	269 A	415 A
<b>External dimensions</b>			
<b>A / B / C [mm]</b>	41 / 56 / 85	41 / 61 / 86	41 / 66 / 104
<b>Set screw - bolt</b>	M10	M10	M12
<b>Tightening torque</b>	25 ... 30 Nm	25 ... 30 Nm	25 ... 30 Nm
<b>Stripped wire length</b>	29 mm	34 mm	34 mm
<b>Mounting</b>	on TS 35 rail + screw	on TS 35 rail + screw	on TS 35 rail + screw
<b>Weight</b>	221,9 g	222,9 g	365,5 g
<b>Collective packaging</b>			

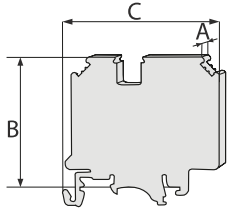
Optional equipment	Designation	Cat. no.	Col. pack.	Designation	Cat. no.	Col. pack.	Designation	Cat. no.	Col. pack.
<b>Spacer</b>									
Grey ○	T 924	17 924 302	50 pcs	T 924	17 924 302	25 pcs	T 924	17 924 302	25 pcs
<b>End bracket</b>									
Grey ○	T 910	17 910 312	50 pcs	T 910	17 910 312	50 pcs	T 910	17 910 312	50 pcs
Grey ○	T 940	17 940 312	50 pcs	T 940	17 940 312	50 pcs	T 940	17 940 312	50 pcs
<b>Cover</b>	<b>Additional equipment</b>			<b>Additional equipment</b>			<b>Additional equipment</b>		
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		
<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 / Z6			DK / Z6			DK / Z6		

NOTE! After placement on the rail, the terminal block must be secured by tightening the screw in its body. Path of the current made of electrotechnical copper and galvanised.

## 2.1.3

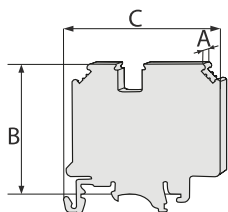
### RAIL-MOUNTED SCREW TERMINAL BLOCKS

For special applications



	ZUW3-2.5	ZUW2-4.0
	<b>3x2,5 mm<sup>2</sup></b>	<b>2x4 mm<sup>2</sup></b>
Colour   Cat. number		
Grey	13 204 312	13 304 312
Standard	PN-EN 60998-1	PN-EN 60998-1
Certificate / Declaration	CE	CE
Rated cross-section	2,5	4
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>
Current data		
Rated voltage	400 V	400 V
Rated current	24 A	32 A
External dimensions		
A / B / C [mm]	7,5 / 61 / 88	6,5 / 75 / 72
Set screw - bolt	M2,5	M3
Tightening torque	0,4 ... 0,6 Nm	0,4 ... 1,0 Nm
Stripped wire length	10 mm	10 mm
Mounting	on TS 35 rail	on TS 35 rail
Weight	25,9 g	22,4 g
Additional information	3-track	2-track
Collective packaging		

Optional equipment	Designation	Cat. no.	Col. pack.	Designation	Cat. no.	Col. pack.
Spacer						
Grey	body in the set with a cover			T 914	17 914 302	25 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
Fixed cross connection						
2-pole	ZW 22W/T17	18 204 020	10 pcs	ZW 32/T12	18 301 020	10 pcs
10-pole	ZW 21W/T17	18 204 100	10 pcs	ZW 31/T12	18 301 100	10 pcs
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
Marker						
		DK / Z5			DK / Z6	
		DK / Z6				



	ZUB1-2.5	ZUB1-2.5D with signal LED
	<b>2,5 mm<sup>2</sup></b>	<b>2,5 mm<sup>2</sup></b>
Colour   Cat. number		
Grey ●	13 202 312	*13 202 972 (12 V) **13 202 982 (230 V) ***13 202 992 (24 V)
Standard	PN-EN 60998-1	PN-EN 60998-1
Certificate / Declaration	CE	CE
Rated cross-section	2,5	2,5
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>
Current data		
Rated voltage	380 V	(12 V, 24 V) ∴ / 230 V ~
Rated current	MAX 6,9 A	MAX 6,9 A
External dimensions		
A / B / C [mm]	9 / 55 / 57	9 / 55 / 57
Set screw - bolt	M2,5	M2,5
Tightening torque	0,4 ... 0,6 Nm	0,4 ... 0,6 Nm
Stripped wire length	7 mm	7 mm
Mounting	on TS 32, TS 35 rail	on TS 32, TS 35 rail
Weight	17,4 g	22 g
Additional information	single track / fusible insert 5 x 20 mm	single track / fusible insert 5 x 20 mm
Collective packaging		

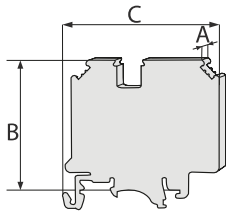
Optional equipment	Designation	Cat. no.	Col. pack.	Designation	Cat. no.	Col. pack.
Pokrywa						
Grey ●	body in the set with a cover			body in the set with a cover		
End bracket						
Grey ●	T 910	17 910 312	50 pcs	T 910	17 910 312	50 pcs
Grey ●	T 940	17 940 312	50 pcs	T 940	17 940 312	50 pcs
Rail marker						
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
Marker						
		DK / Z6			DK / Z6	



# 2.1.4

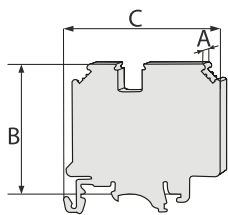
## RAIL-MOUNTED SCREW TERMINAL BLOCKS

Protective







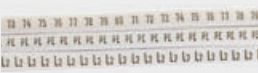


	ZSO1-4.0	ZSO1-6.0
	<b>4 mm<sup>2</sup></b>	<b>6 mm<sup>2</sup></b>
Colour   Cat. number		
Green-Yellow	14 313 319	14 403 319
Standard	PN-EN 60998-1	PN-EN 60998-1
Certificate / Declaration	CE	CE
Rated cross-section	4	6
Solid wire	0,5 ... 6 mm <sup>2</sup>	0,5 ... 10 mm <sup>2</sup>
Stranded wire	0,5 ... 4 mm <sup>2</sup>	0,5 ... 6 mm <sup>2</sup>
Current data		
Rated voltage (max. impulse)	500 V	500 V
Rated current	32 A	41 A
External dimensions		
A / B / C [mm]	9 / 50 / 58	10 / 47 / 57
Set screw - bolt	M3	M3,5
Tightening torque	0,4 ... 1,0 Nm	0,8 ... 1,6 Nm
Stripped wire length	10 mm	12 mm
Mounting	on TS 35 rail	on TS 35 rail
Weight	27,55 g	30,91 g
Collective packaging		

Optional equipment	Designation	Cat. no.	Col. pack.	Designation	Cat. no.	Col. pack.
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
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
Marker						
		DK / Z5			DK / Z5	



	ZSO1-10.0	ZSO1-16.0	ZSO1-35.0
			
	<b>10 mm<sup>2</sup></b>	<b>16 mm<sup>2</sup></b>	<b>35 mm<sup>2</sup></b>
Colour   Cat. number			
Green-Yellow 	14 503 319 	14 603 319 	14 703 319 
Standard	PN-EN 60998-1	PN-EN IEC 60947-7-2	PN-EN IEC 60947-1
Certificate / Declaration	CE	CE	CE
Rated cross-section	10	16	35
Solid wire	1,5 ... 10 mm <sup>2</sup>	4 ... 16 mm <sup>2</sup>	2,5 ... 35 mm <sup>2</sup>
Stranded wire	2,5 ... 10 mm <sup>2</sup>	2,5 ... 10 mm <sup>2</sup>	2,5 ... 25 mm <sup>2</sup>
Current data			
Rated voltage (max. impulse)	500 V	800 V	750 V
Rated current	57 A	76 A	125 A
External dimensions			
A / B / C [mm]	10 / 45 / 57	12 / 55 / 56	15 / 58 / 52
Set screw - bolt	M4	screw typee +/- M5x12	M6
Tightening torque	1,2 ... 2,0 Nm	2,5 ... 5,0 Nm	2,5 ... 5,0 Nm
Stripped wire length	16 mm	14 mm	24 mm
Mounting	on TS 35 rail	on TS 35 rail	on TS 35 rail
Weight	37,40 g	76,14 g	96,98 g
Collective packaging			

Optional equipment	Designation	Cat. no.	Col. pack.	Designation	Cat. no.	Col. pack.	Designation	Cat. no.	Col. pack.
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
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	

### Screw cross-connections



Cross-connections	Term. block	ZSG1-2.5N		ZSG1-4.0N	
		Designation	Cat. no.	Designation	Cat. no.
	2-pole	ZZ2-2.5	18 221 128	ZZ2-4.0	18 321 128
	3-pole	ZZ3-2.5	18 221 138	ZZ3-4.0	18 321 138
	4-pole	ZZ4-2.5	18 221 148	ZZ4-4.0	18 321 148
	10-pole	ZZ10-2.5	18 221 108	ZZ10-4.0	18 321 108

Cross-connections	Term. block	ZSG1-6.0N		ZSG1-10.0N	
		Designation	Cat. no.	Designation	Cat. no.
	2-pole	ZZ2-6.0	18 421 128	ZZ2-10.0	18 521 128
	3-pole	ZZ3-6.0	18 421 138	ZZ3-10.0	18 521 138
	4-pole	ZZ4-6.0	18 421 148	ZZ4-10.0	18 521 148
	10-pole	ZZ10-6.0	18 421 108	ZZ10-10.0	18 521 108

Cross-connections	Term. block	ZSG1-16.0N		ZSG1-35.0N	
		Designation	Cat. no.	Designation	Cat. no.
	2-pole	ZZ2-16.0	18 621 128	ZZ2-35.0	18 721 128
	4-pole	ZZ4-16.0	18 621 148	ZZ4-35.0	18 721 148

Cross-connections	Term. block	ZSG1-70N		ZSG1-120N	
		Designation	Cat. no.	Designation	Cat. no.
	2-pole	ZZ2-70.0	18 951 128	ZZ2-120.0	18 953 128
	3-pole			ZZ3-120.0	18 953 138

Collective packaging:



### Pluggable cross-connection for NOWA series



Cross-connections	Term. block	ZSG1-2.5N		ZSG1-4.0N	
		Designation	Cat. no.	Designation	Cat. no.
	2-pole	ZW2-2.5	18 221 328	ZW2-4.0	18 321 328
	10-pole	ZW10-2.5	18 221 308	ZW10-4.0	18 321 308

Cross-connections	Term. block	ZSG1-6.0N	
		Designation	Cat. no.
	2-pole	ZW2-6.0	18 421 328
	10-pole	ZW10-6.0	18 421 308

Collective packaging:



### Fixed cross-connections for ZSG 1-16.0, ZSG 1-35.0, ZUW3-2.5 and ZUW2-4.0



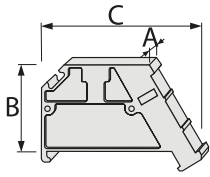
Cross-connections	Term. block	ZUW3-2.5		ZUW2-4.0	
		Designation	Cat. no.	Designation	Cat. no.
	2-pole	ZW22W/T17	18 204 020	ZW32/T12	18 301 020
	10-pole	ZW21W/T17	18 204 100	ZW31/T12	18 301 100

Cross-connections	Term. block	ZSG1-16.0		ZSG1-35.0	
		Designation	Cat. no.	Designation	Cat. no.
	2-pole	ZW62/T18	18 601 020	ZW72/T19	18 701 020
	10-pole	ZW61/T18	18 601 100		

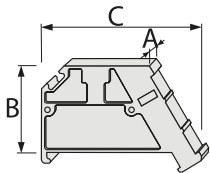
Collective packaging:



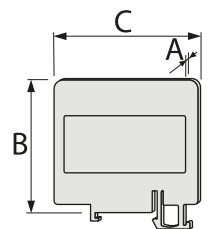




	T910	T940
<b>Colour   Cat. number</b>		
Grey ●	17 910 312	17 940 312
<b>External dimensions</b>		
A / B / C [mm]	8 / 28 / 47	10 / 41 / 54
<b>Weight</b>	8 g	15 g
<b>Mounting</b>	on TS 35 rail	on TS 35 rail
<b>Additional information</b>	End bracket	End bracket, strengthened handle on the rail
<b>Collective packaging</b>		



	KU1	KU2	KU3
<b>Colour   Cat. number</b>			
Grey ●	84 019 002	84 033 002	84 044 002
Yellow ●	84 019 004	84 033 004	84 044 004
<b>External dimensions</b>			
A / B / C [mm]	8 / 38 / 44	10 / 48 / 44	10 / 26 / 44
<b>Weight</b>	8 g	13 g	5 g
<b>Mounting</b>	on TS 32, TS 35 rail	on TS 32, TS 35 rail	on TS 32, TS 35 rail
<b>Additional information</b>	holder	holder	holder
<b>Collective packaging</b>			

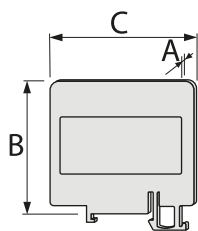




	T914	T922
<b>Colour   Cat. number</b>		
Grey ●	17 914 302	17 922 302
<b>External dimensions</b>		
A / B / C [mm]	1 / 75 / 72	1,5 / 72 / 75
<b>Weight</b>	4,4 g	3,2 g
<b>Mounting</b>	on TS 35 rail	on TS 35 rail
<b>Additional information</b>	spacer for terminal blocks ZUW 2-4.0	spacer for terminal blocks ZSG1-16.0 i ZSG1-35.0
<b>Collective packaging</b>		

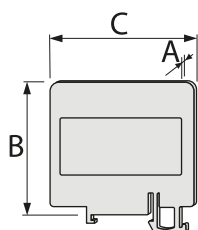
## 2.1.5


### EQUIPMENT FOR TERMINAL BLOCKS

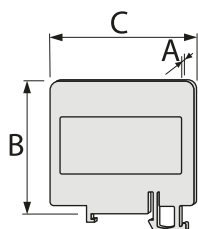
accessories for rail-mounted terminal blocks / spacers, markers







	T923	T924
<b>Colour   Cat. number</b>		
Grey ●	<b>17 923 302</b>	<b>17 924 302</b>
<b>External dimensions</b>		
A / B / C [mm]	1,5 / 32 / 58	5 / 70 / 150
<b>Weight</b>	1,5 g	2 g
<b>Additional information</b>	spacer for standard series terminal block ZSG1-35.0	spacer for ZSG1-70.0 / 95.0 / 120.0 / 240.0
<b>Collective packaging</b>		



	T925
<b>Colour   Cat. number</b>	
Grey ●	<b>17 925 302</b>
<b>External dimensions</b>	
A / B / C [mm]	1,5 / 37 / 44
<b>Weight</b>	2,5 g
<b>Additional information</b>	spacer for standard series terminal block ZSG1-16.0
<b>Collective packaging</b>	



	T928	T929
<b>Colour   Cat. number</b>		
Grey ●	<b>17 928 302</b>	<b>17 929 302</b>
<b>External dimensions</b>		
A / B / C [mm]	1,5 / 23 / 41,5	1,5 / 28 / 46,5
<b>Weight</b>	4 g	4 g
<b>Additional information</b>	spacer for NOWA series ZSG1-2.5N; ZSG1-4.0N	spacer for NOWA series ZSG1-6.0N; ZSG1-10.0N
<b>Collective packaging</b>		

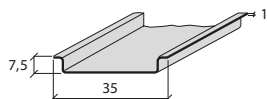
	T900	T927
		
Colour   Cat. number		
Grey ○	17 900 302	17 927 302
External dimensions		
A / B / C [mm]	20 / 40 / 45	10 / 40 / 45
Weight	4 g	2 g
Intended use	markers for TS35 and TS32 rail	markers for TS35 and TS32 rail
Additional information	with description glass, wide (20 mm)	with description glass, wide (10 mm)
Collective packaging		


## Contact grease SR1

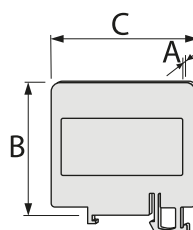


Colour   Cat. number	
Colourless ○	89 764 000
Application temperature	-30 °C ... +110 °C
Base oil viscosity	at 100 °C -10; 40 °C -112
Condensation temperature	≥ for 180 °C
Class	NLGI 2
Packaging	tube 250 ml
Application	SR1 grease is intended for application on the surface of conductors and clamps. It increases the contact surface of the wire and the clamp, which improves the contact area, and protects it against oxidation, as well as improves conduction properties at the contact point of the wire and the clamp. This feature is very important due to the fact that it ensures the correct functioning of the connected aluminium, copper and steel elements over a longer period of time.
Additional information	This grease has no skin irritating effect.

## Rail TS 35




Colour   Cat. number	
Metallic	80 035 000
Dimensions	
A / B / C [mm]	1000 / 7,5 / 35
Weight	340 g
Material	steel
Coating	galvanized
Declaration of conformity, Standard	IEC 50022; PN-EN 60715
Collective packaging	

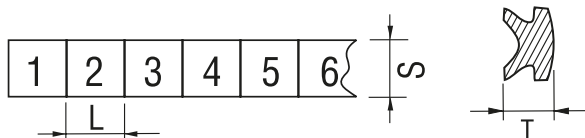


## ZP200



Colour   Cat. number	
Yellow ○	84 926 004
External dimensions	
A / B / C [mm]	420 / 750 / 200
Weight	8 g
Additional information	Cover for ZSG1-70.0 / 95.0 / 120.0 / 240.0
Collective packaging	

Markers for rail-mounted terminal blocks – DK series



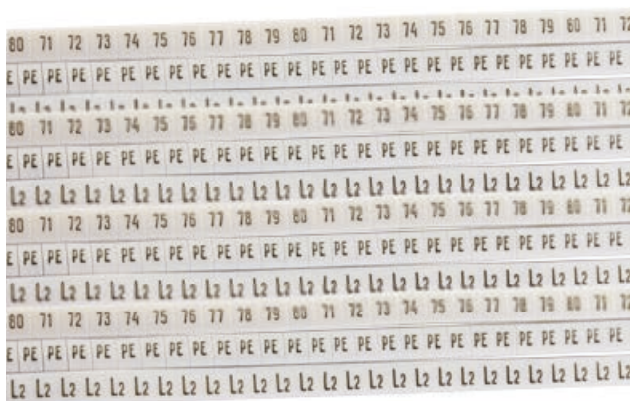
Properties of markers DK:

- indelible imprint in black colour,
- resistant to the effects of fuel, oils, acids and typical solvents,
- self-extinguishing,
- stable on the conduit or in the socket,
- made of insulating materials,
- protected by a trademark.

	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 the markers DK

Imprints on the marker	0, 1, 2, 3, 4, ... 9); (A, B, C, D, ... Z) (a, b, c, d, ... z); (L1, L2, L3, PE, N) + -	digits, uppercase letters, lowercase letters, symbols, characters
	1, 2, 3, 4, ... 10); (11, 12, 13, ... 20) (21, 22, 23, ... 30); (31, ..... ) (391, 392, ... 400); (10, 20, 30, ... 100) etc.	for DK strips 10 markers each



Cat. no.	Designation	Description	Colour	Intended use
89 292 006	DK1/Z6"B/overprint" DK1/Z6"B/overprint"	Marker DK 1, Z6 "no overprint"	white	self-designation
89 334 006	DK1/Z5B/overprint"	Marker DK 1, Z5 no overprint	white	
89 273 006	DK1/Z5"0"	Marker DK 1, Z5 "0"	white	
89 282 006	DK1/Z5"1"	Marker DK 1, Z5 "1"	white	
89 283 006	DK1/Z5"2"	Marker DK 1, Z5 "2"	white	
89 284 006	DK1/Z5"3"	Marker DK 1, Z5 "3"	white	
89 285 006	DK1/Z5"4"	Marker DK 1, Z5 "4"	white	
89 286 006	DK1/Z5"5"	Marker DK 1, Z5 "5"	white	
89 287 006	DK1/Z5"6"	Marker DK 1, Z5 "6"	white	
89 288 006	DK1/Z5"7"	Marker DK 1, Z5 "7"	white	
89 289 006	DK1/Z5"8"	Marker DK 1, Z5 "8"	white	
89 290 006	DK1/Z5"9"	Marker DK 1, Z5 "9"	white	
89 201 006	DK1/Z6"1-10"	Marker DK 1, Z6 "1-10"	white	
89 202 006	DK2/Z6"11-20"	Marker DK 2, Z6 "11-20"	white	
89 203 006	DK2/Z6"21-30"	Marker DK 2, Z6 "21-30"	white	
89 204 006	DK2/Z6"31-40"	Marker DK 2/Z6 "31-40"	white	
89 205 006	DK2/Z6"41-50"	Marker DK 2, Z6 "41-50"	white	
89 206 006	DK2/Z6"51-60"	Marker DK 2, Z6 "51-60"	white	
89 207 006	DK2/Z6"61-70"	Marker DK 2, Z6 "61-70"	white	
89 208 006	DK2/Z6"71-80"	Marker DK 2, Z6 "71-80"	white	
89 209 006	DK2/Z6"81-90"	Marker DK 2, Z6 "81-90"	white	
89 210 006	DK2/Z6"91-100"	Marker DK 2, Z6 "91-100"	white	
89 211 006	DK3/Z6"101-110"	Marker DK 3, Z6 "101-110"	white	
89 212 006	DK3/Z6"111-120"	Marker DK 3, Z6 "111-120"	white	
89 213 006	DK3/Z6"121-130"	Marker DK 3, Z6 "121-130"	white	
89 214 006	DK3/Z6"131-140"	Marker DK 3, Z6 "131-140"	white	
89 215 006	DK3/Z6"141-150"	Marker DK 3, Z6 "141-150"	white	
89 216 006	DK3/Z6"151-160"	Marker DK 3, Z6 "151-160"	white	
89 217 006	DK3/Z6"161-170"	Marker DK 3, Z6 "161-170"	white	
89 218 006	DK3/Z6"171-180"	Marker DK 3, Z6 "171-180"	white	
89 219 006	DK3/Z6"181-190"	Marker DK 3, Z6 "181-190"	white	
89 220 006	DK3/Z6"191-200"	Marker DK 3, Z6 "191-200"	white	numerical
89 221 006	DK3/Z6"201-210"	Marker DK 3, Z6 "201-210"	white	
89 222 006	DK3/Z6"211-220"	Marker DK 3, Z6 "211-220"	white	
89 223 006	DK3/Z6"221-230"	Marker DK 3, Z6 "221-230"	white	
89 224 006	DK3/Z6"231-240"	Marker DK 3, Z6 "231-240"	white	
89 225 006	DK3/Z6"241-250"	Marker DK 3, Z6 "241-250"	white	
89 226 006	DK3/Z6"251-260"	Marker DK 3, Z6 "251-260"	white	
89 227 006	DK3/Z6"261-270"	Marker DK 3, Z6 "261-270"	white	
89 228 006	DK3/Z6"271-280"	Marker DK 3, Z6 "271-280"	white	
89 229 006	DK3/Z6"281-290"	Marker DK 3, Z6 "281-290"	white	
89 230 006	DK3/Z6"291-300"	Marker DK 3, Z6 "291-300"	white	
89 231 006	DK3/Z6"301-310"	Marker DK 3, Z6 "301-310"	white	
89 232 006	DK3/Z6"311-320"	Marker DK 3, Z6 "311-320"	white	
89 233 006	DK3/Z6"321-330"	Marker DK 3, Z6 "321-330"	white	
89 234 006	DK3/Z6"331-340"	Marker DK 3, Z6 "331-340"	white	
89 235 006	DK3/Z6"341-350"	Marker DK 3, Z6 "341-350"	white	
89 236 006	DK3/Z6"351-360"	Marker DK 3, Z6 "351-360"	white	
89 237 006	DK3/Z6"361-370"	Marker DK 3, Z6 "361-370"	white	
89 238 006	DK3/Z6"371-380"	Marker DK 3, Z6 "371-380"	white	
89 239 006	DK3/Z6"381-390"	Marker DK 3, Z6 "381-390"	white	
89 240 006	DK3/Z6"391-400"	Marker DK 3, Z6 "391-400"	white	
89 278 006	DK1/Z5"1-10"	Marker DK 1, Z5 "1-10"	white	
89 279 006	DK2/Z5"11-20"	Marker DK 2, Z5 "11-20"	white	
89 280 006	DK2/Z5"21-30"	Marker DK 2, Z5 "21-30"	white	
89 281 006	DK2/Z5"31-40"	Marker DK 2, Z5 "31-40"	white	
89 297 006	DK2/Z5"41-50"	Marker DK 2, Z5 "41-50"	white	
89 298 006	DK2/Z5"51-60"	Marker DK 2, Z5 "51-60"	white	
89 299 006	DK2/Z5"61-70"	Marker DK 2, Z5 "61-70"	white	
89 300 006	DK2/Z5"71-80"	Marker DK 2, Z5 "71-80"	white	
89 301 006	DK2/Z5"81-90"	Marker DK 2, Z5 "81-90"	white	
89 302 006	DK2/Z5"91-100"	Marker DK 2, Z5 "91-100"	white	
89 275 006	DK2/Z5"L1"	Marker DK 2, Z5 "L1"	white	
89 276 006	DK2/Z5"L2"	Marker DK 2, Z5 "L2"	white	
89 277 006	DK2/Z5"L3"	Marker DK 2, Z5 "L3"	white	
89 295 006	DK1/Z5"L"	Marker DK 1, Z5 "L"	white	conductors
89 296 006	DK1/Z5"N"	Marker DK 1, Z5 "N"	white	
89 303 006	DK2/Z5"PE"	Marker DK 2, Z5 "PE"	white	
89 326 006	DK2/Z5"PEN"	Marker DK 2, Z5 "PEN"	white	
89 332 006	DK1/Z5"earth"DK1/ Z5"earth"	Marker DK 1, Z5 "earth"	white	
89 329 006	DK1/Z5"+"	Marker DK 1, Z5 "+"	white	polar
89 330 006	DK1/Z5"-"	Marker DK 1, Z5 "-"	white	
89 304 006	DK1/Z5"F"	Marker DK 1, Z5 "F"	white	
89 305 006	DK1/Z5"G"	Marker DK 1, Z5 "G"	white	
89 306 006	DK1/Z5"H"	Marker DK 1, Z5 "H"	white	
89 307 006	DK1/Z5"A"	Marker DK 1, Z5 "A"	white	
89 308 006	DK1/Z5"J"	Marker DK 1, Z5 "J"	white	
89 309 006	DK1/Z5"K"	Marker DK 1, Z5 "K"	white	
89 310 006	DK1/Z5"B"	Marker DK 1, Z5 "B"	white	
89 311 006	DK1/Z5"E"	Marker DK 1, Z5 "E"	white	
89 312 006	DK1/Z5"M"	Marker DK 1, Z5 "M"	white	
89 313 006	DK1/Z5"C"	Marker DK 1, Z5 "C"	white	
89 314 006	DK1/Z5"O"	Marker DK 1, Z5 "O"	white	
89 315 006	DK1/Z5"P"	Marker DK 1, Z5 "P"	white	
89 316 006	DK1/Z5"Q"	Marker DK 1, Z5 "Q"	white	
89 317 006	DK1/Z5"R"	Marker DK 1, Z5 "R"	white	
89 318 006	DK1/Z5"S"	Marker DK 1, Z5 "S"	white	alphabetical
89 319 006	DK1/Z5"T"	Marker DK 1, Z5 "T"	white	
89 320 006	DK1/Z5"U"	Marker DK 1, Z5 "U"	white	
89 321 006	DK1/Z5"V"	Marker DK 1, Z5 "V"	white	
89 322 006	DK1/Z5"W"	Marker DK 1, Z5 "W"	white	
89 323 006	DK1/Z5"X"	Marker DK 1, Z5 "X"	white	
89 324 006	DK1/Z5"Y"	Marker DK 1, Z5 "Y"	white	
89 325 006	DK1/Z5"Z"	Marker DK 1, Z5 "Z"	white	
89 327 006	DK1/Z5"D"	Marker DK 1, Z5 "D"	white	
89 328 006	DK1/Z5"E"	Marker DK 1, Z5 "E"	white	
89 341 006	DK1/Z5"I"	Marker DK 1, Z5 "I"	white	
89 295 006	DK1/Z5"L"	Marker DK 1, Z5 "L"	white	
89 296 006	DK1/Z5"N"	Marker DK 1, Z5 "N"	white	

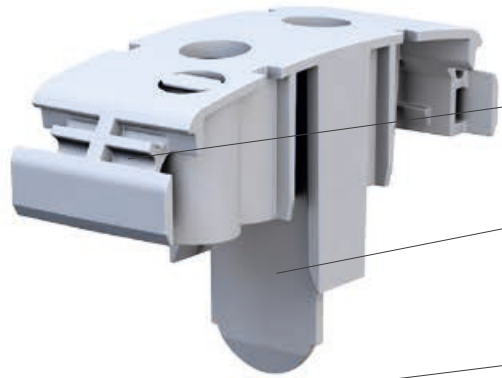


# SIMBLOCK

## RAIL-MOUNTED SCREW TERMINAL BLOCKS STB



product video



marking socket on both sides of the terminal block

contact protection that prevents accidental connection of wires

hex key socket for the implementation of high torque



fine thread that allows to increase the clamping force

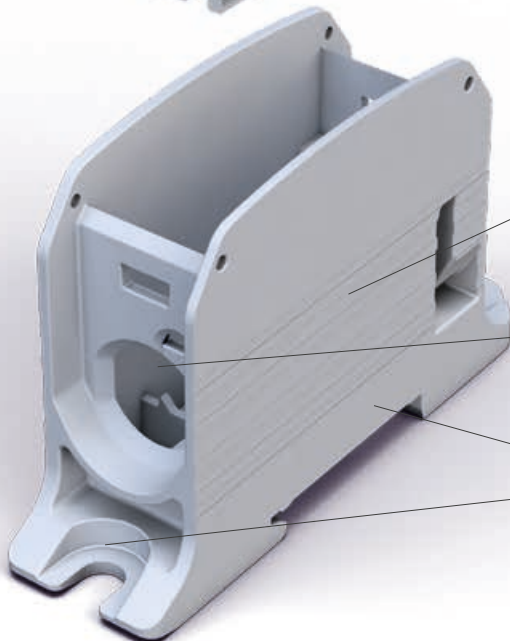
specially profiled tip of the screws that prevents the damage to the wires



unique shape for better heat dissipation

additional measuring connector for: STB 95 mm<sup>2</sup>, STB 185 mm<sup>2</sup>, STB 300 mm<sup>2</sup>

internally profiled core intended for aluminium and copper wires



corrugation designed to facilitate heat dissipation

opening for Al/Cu wire up to 300 mm<sup>2</sup>

simple installation with the use of an open mounting bracket on a mounting plate or on a TS 35 rail

# 2.1.6

## UNIVERSAL SCREW CONNECTORS Al/Cu - STB-SERIES

for connection of Al/Cu, Cu/Cu, Al/Al conductors, single-pole, 2 holes

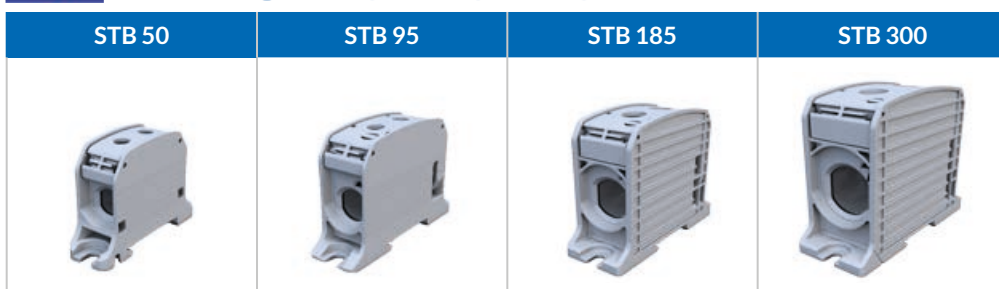


# SIMBLOCK

**Al / Cu**

Compliance with standards:

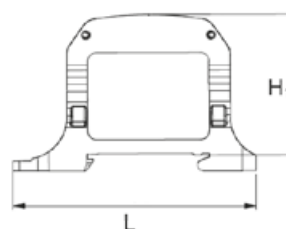
- IEC 60947-7-1
- IEC 61238-1
- UL-1059
- CSA C22.2 No. 158-10

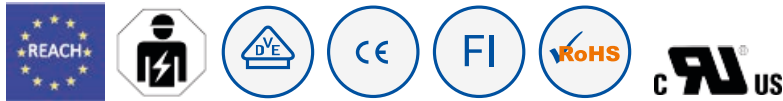


	STB 50		STB 95		STB 185		STB 300	
	50 mm <sup>2</sup>		95 mm <sup>2</sup>		185 mm <sup>2</sup>		300 mm <sup>2</sup>	
<b>Colour   Cat. number</b>								
Grey ●	81 001 002		81 101 002		81 201 002		81 301 002	
Blue ●	81 001 003		81 101 003		81 201 003		81 301 003	
Green ●	81 001 005		81 101 005		81 201 005		81 301 005	
Brown ●	81 001 015		81 101 015		81 201 015		81 301 015	
Black ●	81 001 007		81 101 007		81 201 007		81 301 007	
<b>Current data</b>								
<b>Standard</b>	IEC	US	IEC	US	IEC	US	IEC	US
<b>Rated voltage</b>	1000 V AC 1000 V DC	1000 V AC	1000 V AC 1000 V DC	1000 V AC	1000 V AC 1000 V DC	1000 V AC	1000 V AC 1000 V DC	1000 V AC
<b>Rated current</b>	150 A (Cu) 150 A (Al)	150 A (Cu) 120 A (Al)	232 A (Cu) 200 A (Al)	200 A (Cu) 155 A (Al)	353 A (Cu) -	310 A (Cu) 250 A (Al)	520 A (Cu) -	420 A (Cu) 340 A (Al)
<b>Rated cross-section</b>								
<b>Input (wire)</b>	2 x (6 - 50) mm <sup>2</sup>		2 x (16 - 95) mm <sup>2</sup>		2 x (95 - 185) mm <sup>2</sup>		2 x (150 - 300) mm <sup>2</sup>	
<b>Input (wire with sleeve)</b>	2 x (4 - 35) mm <sup>2</sup>		2 x (10 - 70) mm <sup>2</sup>		2 x (70 - 150) mm <sup>2</sup>		2 x (120 - 240) mm <sup>2</sup>	
<b>Measuring connector (wire)</b>	-		1 x (1,5 - 10) mm <sup>2</sup>		1 x (1,5 - 10) mm <sup>2</sup>		1 x (1,5 - 10) mm <sup>2</sup>	
<b>Measuring connector (wire with sleeve)</b>	-		1 x (1,5 - 6) mm <sup>2</sup>		1 x (1,5 - 6) mm <sup>2</sup>		1 x (1,5 - 6) mm <sup>2</sup>	
<b>Number of poles</b>	1		1		1		1	
<b>Mounting</b>	on TS 35 rail, on a mounting plate		on TS 35 rail, on a mounting plate		on TS 35 rail, on a mounting plate		on TS 35 rail, on a mounting plate	
<b>Compliance with directives</b>	RoHS		RoHS		RoHS		RoHS	
<b>External dimensions</b>								
<b>W / H / H1 / L [mm]</b>	22 / 45 / 40,5 / 70		25,5 / 57 / 52,5 / 93		37,5 / 73,5 / 69 / 105		45 / 83,5 / 79 / 118	
<b>Weight</b>	38 g		96 g		204 g		338 g	
<b>Additional information</b>			the connector has an additional space for the measurement connector		the connector has an additional space for the measurement connector		the connector has an additional space for the measurement connector	
<b>Collective packaging*</b>								

\*These products are also sold in pieces.

Optional equipment	Designation	Cat. no.	Col. pack.	Designation	Cat. no.	Col. pack.	Designation	Cat. no.	Col. pack.	Designation	Cat. no.	Col. pack.	
	Dust cover												
	Grey ●	OSTB 50	81 901 002	1	OSTB 95	81 902 002	1	OSTB 185	81 903 002	1	OSTB 300	81 904 002	1
<b>Additional information</b>	access to the measurement connector without removing the OSTB												



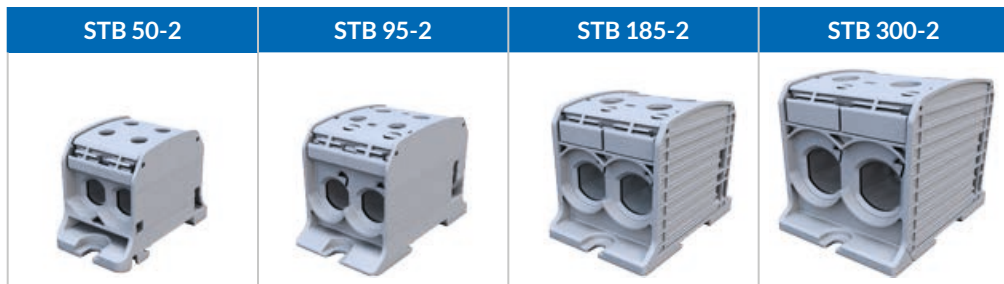


SIMBLOCK

Al/Cu

Compliance with standards:

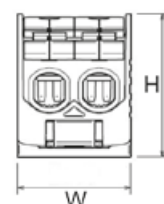
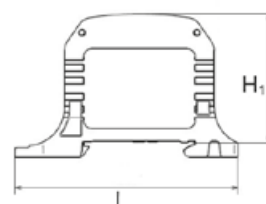
- IEC 60947-7-1
- IEC 61238-1
- UL-1059
- CSA C22.2 No. 158-10



	50 mm <sup>2</sup>		95 mm <sup>2</sup>		185 mm <sup>2</sup>		300 mm <sup>2</sup>	
<b>Colour   Cat. number</b>								
Grey ●	81 002 002		81 102 002		81 202 002		81 302 002	
Blue ●	81 002 003		81 102 003		81 202 003		81 302 003	
Green ●	81 002 005		81 102 005		81 202 005		81 302 005	
Brown ●	81 002 015		81 102 015		81 202 015		81 302 015	
Black ●	81 002 007		81 102 007		81 202 007		81 302 007	
<b>Current data</b>								
<b>Standard</b>	IEC	US	IEC	US	IEC	US	IEC	US
<b>Rated voltage</b>	1000 V AC 1000 V DC	1000 V AC	1000 V AC 1000 V DC	1000 V AC	1000 V AC 1000 V DC	1000 V AC	1000 V AC 1000 V DC	1000 V AC
<b>Rated current</b>	150 A (Cu) 150 A (Al)	150 A (Cu) 120 A (Al)	232 A (Cu) -	200 A (Cu) 155 A (Al)	353 A (Cu) -	310 A (Cu) 250 A (Al)	520 A (Cu) -	420 A (Cu) 340 A (Al)
<b>Rated cross-section</b>								
<b>Input (wire)</b>	2 x (6 - 50) mm <sup>2</sup>		2 x (16 - 95) mm <sup>2</sup>		2 x (95 - 185) mm <sup>2</sup>		2 x (150 - 300) mm <sup>2</sup>	
<b>Input (wire with sleeve)</b>	2 x (4 - 35) mm <sup>2</sup>		2 x (10 - 70) mm <sup>2</sup>		2 x (70 - 150) mm <sup>2</sup>		2 x (120 - 240) mm <sup>2</sup>	
<b>Measuring connector (wire)</b>	-		1 x (1,5 - 10) mm <sup>2</sup>		1 x (1,5 - 10) mm <sup>2</sup>		1 x (1,5 - 10) mm <sup>2</sup>	
<b>Measuring connector (wire with sleeve)</b>	-		1 x (1,5 - 6) mm <sup>2</sup>		1 x (1,5 - 6) mm <sup>2</sup>		1 x (1,5 - 6) mm <sup>2</sup>	
<b>Number of poles</b>	1		1		1		1	
<b>Mounting</b>	on TS 35 rail, on a mounting plate		on TS 35 rail, on a mounting plate		on TS 35 rail, on a mounting plate		on TS 35 rail, on a mounting plate	
<b>Compliance with directives</b>	RoHS		RoHS		RoHS		RoHS	
<b>External dimensions</b>								
<b>W / H / H1 / L [mm]</b>	35,6 / 45 / 40,5 / 70		47 / 57 / 52,5 / 93		67,6 / 73,5 / 69 / 105		82,6 / 83,5 / 79 / 118	
<b>Weight</b>	66 g		178 g		412 g		628 g	
<b>Additional information</b>			the connector has an additional space for the measurement connector		the connector has an additional space for the measurement connector		the connector has an additional space for the measurement connector	
<b>Collective packaging*</b>								

\*These products are also sold in pieces.

Optional equipment	Designation	Cat. no.	Col. pack.	Designation	Cat. no.	Col. pack.	Designation	Cat. no.	Col. pack.	Designation	Cat. no.	Col. pack.	
Dust cover													
	Grey ●	OSTB 50	81 901 002	1	OSTB 95	81 902 002	1	OSTB 185	81 903 002	1	OSTB 300	81 904 002	1
<b>Additional information</b>	access to the measurement connector without removing the OSTB												



# 2.1.6

## UNIVERSAL SCREW CONNECTORS Al/Cu - STB-SERIES

for connection of Al/Cu, Cu/Cu, Al/Al conductors, single-pole (internally compact), 6 holes



# SIMBLOCK

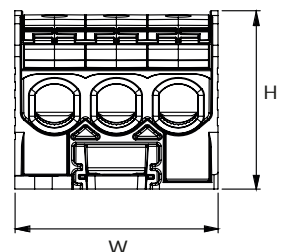
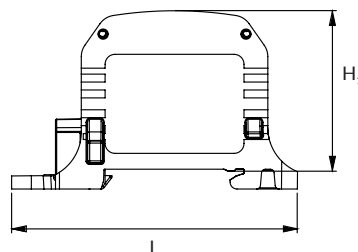
**Al / Cu**

Compliance with standards:

- IEC 60947-7-1
- IEC 61238-1
- UL-1059
- CSA C22.2 No. 158-10

		STB 50-3		STB 95-3	
		50 mm <sup>2</sup>		95 mm <sup>2</sup>	
Colour   Cat. number					
Grey ○		81 003 002		81 103 002	
Blue ●		81 003 003		81 103 003	
Green ●		81 003 005		81 103 005	
Brown ●		81 003 015		81 103 015	
Black ●		81 003 007		81 103 007	
Current data					
Standard		IEC	US	IEC	US
Rated voltage		1000 V AC 1000 V DC	1000 V AC	1000 V AC 1000 V DC	1000 V AC
Rated current		150 A (Cu) 150 A (Al)	150 A (Cu) 120 A (Al)	232 A (Cu) 200 A (Al)	200 A (Cu) 155 A (Al)
Rated cross-section					
Input (wire)		2 x (6 - 50) mm <sup>2</sup>		2 x (16 - 95) mm <sup>2</sup>	
Input (wire with sleeve)		2 x (4 - 35) mm <sup>2</sup>		2 x (10 - 70) mm <sup>2</sup>	
Measuring connector (wire)		-		3 x (1,5 - 10) mm <sup>2</sup>	
Measuring connector (wire with sleeve)		-		3 x (1,5 - 6) mm <sup>2</sup>	
Number of poles		1		1	
Mounting		on TS 35 rail, on a mounting plate		on TS 35 rail, on a mounting plate	
Compliance with directives		RoHS		RoHS	
External dimensions					
W / H / H1 / L [mm]		51,2 / 45 / 40,5 / 72		68,6 / 57 / 52,5 / 95	
Weight		112 g		282 g	
Additional information		-		the connector has an additional space for the measurement connector	
Collective packaging					

Optional equipment	Designation	Cat. no.	Col. pack.	Designation	Cat. no.	Col. pack.	
Dust cover							
	Grey ○	OSTB 50	81 901 002	1	OSTB 95	81 902 002	1





SIMBLOCK

Al / Cu

Compliance with standards:

- IEC 60947-7-1
- IEC 61238-1
- UL-1059
- CSA C22.2 No. 158-10



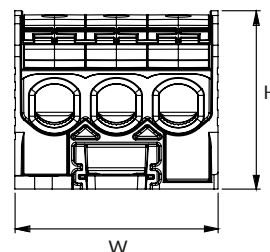
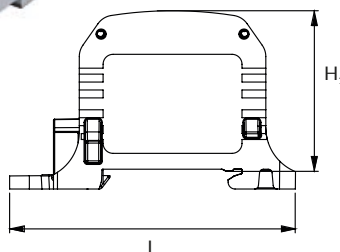
STB 50-3X



50 mm<sup>2</sup>

Colour   Cat. number	
Grey ○	81 004 002
Grey ○ / Blue ● / Green ●	81 004 020
Green ● / Grey ○ / Blue ●	81 004 021
Brown ● / Black ● / Grey ○	81 004 022
Current data	
Standard	IEC US
Rated voltage	1000 V AC 1000 V DC
Rated current	150 A (Cu) 150 A (Al)
Rated cross-section	
Input (wire)	2 x (6 - 50) mm <sup>2</sup>
Input (wire with sleeve)	2 x (4 - 35) mm <sup>2</sup>
Measuring connector (wire)	-
Measuring connector (wire with sleeve)	-
Number of poles	3
Mounting	on TS 35 rail, on a mounting plate
Compliance with directives	RoHS
External dimensions	
W / H / H1 / L [mm]	56,5 / 45 / 40,5 / 70
Weight	104 g
Collective packaging	

Optional equipment	Designation	Cat. no.	Col. pack.
Dust cover			
Grey ○	OSTB 50	81 901 002	1



## 2.2

### SWIVEL TERMINAL BLOCKS



ZSE-1.0/6.0



Colour   Cat. number	
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 / Declaration	CE
Number of tracks	1
Operating temperature	-25 °C ... +125 °C
Rated cross-section	1 ... 6 mm <sup>2</sup>
Current data	
Rated voltage	400 V
Rated current	41 A
External dimensions	
A / B [mm]	19 / 27
Weight	12 g
Number of wires combined in one clamp	for 1 mm <sup>2</sup> - 2 ... 8 wires for 1,5 mm <sup>2</sup> - 2 ... 6 wires for 2,5 mm <sup>2</sup> - 2 ... 5 wires for 4 mm <sup>2</sup> - 2 ... 3 wires for 6 mm <sup>2</sup> - 2 wires
Intended use	The swivel terminal block allows to connect the wires with a large range of rated cross-sections. It can be used to combine the wires from 1 mm <sup>2</sup> to 6 mm <sup>2</sup> . A new feature is the use of a solid wire clamp with square cross-section. It allows to thread the surface of insulated wires, making the connection more durable. This product is intended for solid wire cables, however it can also be used to connect multi-wire cables, while in such case the holding force is much lower. Large contact area and high clamping force result in good quality of such solution in connecting wires.
Additional information	Body material PA 66.
Collective packaging	

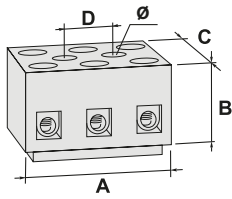


Just insert the stripped tips of the solid wire and twist. The clamp will slightly thread the surface of the wire and twist it into a tight braid.

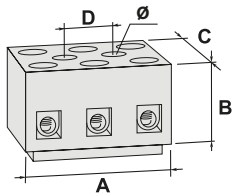


View of the clamp in the swivel terminal block





	ZPA1-2.5	ZPA2-2.5	ZPA2-2.5A
	<b>2,5 mm<sup>2</sup></b>	<b>2x2,5 mm<sup>2</sup></b>	<b>2x2,5 mm<sup>2</sup></b>
Colour   Cat. number	White ○	White ○	White ○
Standard	44 231 516	44 232 516	44 242 516
Certificate / Declaration	PN-EN 60998-1	PN-EN 60998-1	PN-EN 60998-1
Body	CE	CE	CE
Number of tracks	ceramic, enamelled	ceramic, enamelled	ceramic, enamelled
Rated cross-section	1	1	2
Current data	2,5 mm <sup>2</sup>	2,5 mm <sup>2</sup>	2,5 mm <sup>2</sup>
Rated voltage	500 V	500 V	500 V
Rated current	24 A	24 A	24 A
Operating temperature	-40 °C ... +230 °C	-40 °C ... +230 °C	-40 °C ... +230 °C
External dimensions			
A / B / C [mm]	11 / 19 / 25	19 / 18 / 26	24 / 19 / 26 / 14,5
Set screw - bolt	M3	M3	M3
Stripped wire length	5 mm	5 mm	5 mm
Mounting to the substrate Ø	-	-	2xM3
Weight	11 g	17 g	22 g
Additional information			fixing screw M3 x 16 (PN-M82215)
Collective packaging			

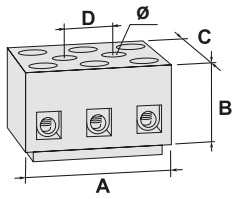






	ZPA2-10
	<b>2x10 mm<sup>2</sup></b>
Colour   Cat. number	White ○
Standard	44 532 516
Certificate / Declaration	PN-EN 60998-1
Body	CE
Number of tracks	ceramic, enamelled
Rated cross-section	2
Current data	10 mm <sup>2</sup>
Rated voltage	500 V
Rated current	57A
Operating temperature	-40 °C ... +230 °C
External dimensions	
A / B / C [mm]	28 / 20 / 28
Set screw - bolt	M4
Stripped wire length	8 mm
Mounting to the substrate Ø	1 x M4
Weight	45 g
Additional information	Fixing screw M4 x 20 (PN-M82215)
Collective packaging	

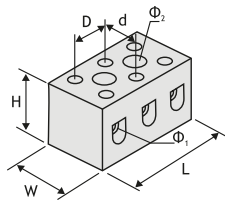
## 2.3







### PORCELAIN TERMINAL BLOCKS

ZPA series with glazed surface (glossy)/ CPO series with non-glazed surface (matte)

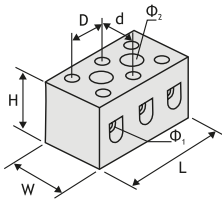


	ZPA3-2.5A	ZPA3-2.5
		
	<b>3x2,5 mm<sup>2</sup></b>	<b>2x2,5 mm<sup>2</sup></b>
Colour   Cat. number	White ○	White ○
Standard	44 243 516 PN-EN 60998-1	44 233 516 PN-EN 60998-1
Certificate / Declaration	CE	CE
Body	ceramic, enamelled	ceramic, enamelled
Number of tracks	3	3
Rated cross-section	2,5 mm <sup>2</sup>	2,5 mm <sup>2</sup>
Current data		
Rated voltage	500 V	500 V
Rated current	24 A	24 A
Operating temperature	+350 °C (insert), +800 °C (body)	+350 °C (insert), +800 °C (body)
External dimensions		
A / B / C / D [mm]	37 / 19 / 25 / 13	26 / 19 / 25 / -
Set screw - bolt	M3	M3,5
Stripped wire length	5 mm	5 mm
Mounting to the substrate Ø	2 x M3	
Weight	35 g	26 g
Additional information	fixing screw M3 x 16 (PN-M-82215)	
Collective packaging		

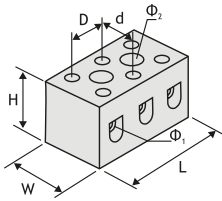


	CPO-5A-1P	CPO-5A-2P	CPO-5A-3P
			
	<b>4 mm<sup>2</sup></b>	<b>2x4 mm<sup>2</sup></b>	<b>3x4 mm<sup>2</sup></b>
Colour   Cat. number	White ○	White ○	White ○
Standard	80 711 516 PN-EN 60998-1	80 712 516 PN-EN 60998-1	80 713 516 PN-EN 60998-1
Certificate / Declaration	CE	CE	CE
Body	ceramic, matte	ceramic, matte	ceramic, matte
Number of tracks	1	2	3
Rated cross-section	4 mm <sup>2</sup> / 2 mm <sup>2</sup>	4 mm <sup>2</sup> / 2 mm <sup>2</sup>	4 mm <sup>2</sup> / 2 mm <sup>2</sup>
Solid wire/Stranded wire			
Current data			
Rated voltage	450 V	450 V	450 V
Rated current	5 ... 32 A	5 ... 32 A	5 ... 32 A
Operating temperature	+350 °C (insert), +800 °C (body)	+350 °C (insert), +800 °C (body)	+350 °C (insert), +800 °C (body)
External dimensions			
W / L / Ø1 / Ø2 / d / H [mm]	18 / 12 / 3,0 / - / - / 8 / 16	18 / 21 / 3,0 / 4,5 / 12 / 8 / 16	18 / 33 / 3,0 / 4,5 / 12 / 8 / 16
Set screw - bolt	M3,5	M3,5	M3,5
Stripped wire length	5 mm	5 mm	5 mm
Weight	9 g	14 g	21 g
Additional information		with mounting opening	with mounting openings
Collective packaging			





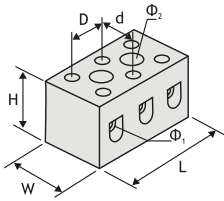
	CPO-10A-2P	CPO-10A-3P
	<b>2x6 mm<sup>2</sup></b>	<b>3x6 mm<sup>2</sup></b>
Colour   Cat. number	White ○ 80 013 516	80 014 516
Standard	EN 60998-1; EN 60998-2-1	EN 60998-1; EN 60998-2-1
Certificate / Declaration	CE	CE
Body	ceramic, matte	ceramic, matte
Number of tracks	3	3
Rated cross-section		
Solid wire/Stranded wire	6 mm <sup>2</sup> / 4 mm <sup>2</sup>	6 mm <sup>2</sup> / 4 mm <sup>2</sup>
Current data		
Rated voltage	450 V	450 V
Rated current	10 ... 57 A	10 ... 57 A
Operating temperature	+350 °C (insert), +800 °C (body)	+350 °C (insert), +800 °C (body)
External dimensions		
W / L / ø1 / ø2 / D / d / H [mm]	19 / 22 / 18	19 / 36 / 18
Additional information	with mounting opening	with mounting openings
Collective packaging		



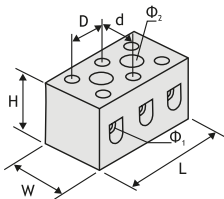
	CPO-15A-1P	CPO-15A-2P	CPO-15A-3P
	<b>10 mm<sup>2</sup></b>	<b>2x10 mm<sup>2</sup></b>	<b>3x10 mm<sup>2</sup></b>
Colour   Cat. number	White ○ 80 721 516	80 722 516	80 723 516
Standard	EN 60998-1; EN 60998-2-1	EN 60998-1; EN 60998-2-1	EN 60998-1; EN 60998-2-1
Certificate / Declaration	CE	CE	CE
Body	ceramic, matte	ceramic, matte	ceramic, matte
Number of tracks	1	2	2
Rated cross-section			
Solid wire/Stranded wire	10 mm <sup>2</sup> / 8 mm <sup>2</sup>	10 mm <sup>2</sup> / 8 mm <sup>2</sup>	10 mm <sup>2</sup> / 8 mm <sup>2</sup>
Current data			
Rated voltage	450 V	450 V	450 V
Rated current	15 ... 57 A	15 ... 57 A	15 ... 57 A
Operating temperature	+350 °C (insert), +800 °C (body)	+350 °C (insert), +800 °C (body)	+350 °C (insert), +800 °C (body)
External dimensions			
W / L / ø1 / ø2 / D / d / H [mm]	21 / 13 / 4,2 / - / - / 10 / 20	21 / 24 / 4,2 / 4,8 / 14 / 10 / 20	21 / 36 / 4,2 / 4,8 / 13 / 10 / 20
Set screw - bolt	M3,5	M3,5	M3,5
Stripped wire length	5 mm	5 mm	5 mm
Weight	10 g	24 g	34 g
Additional information		with mounting opening	with mounting openings
Collective packaging			



## 2.3

### PORCELAIN TERMINAL BLOCKS CPO series with non-glazed surface (matte)



	CPO-30A-1P	CPO-30A-2P
		
	<b>16 mm<sup>2</sup></b>	<b>2x16 mm<sup>2</sup></b>
Colour   Cat. number	White ○ 80 731 516	White ○ 80 732 516
Standard	EN 60998-1; EN 60998-2-1	EN 60998-1; EN 60998-2-1
Certificate / Declaration	CE	CE
Body	ceramic, matte	ceramic, matte
Number of tracks	1	2
Rated cross-section	16 mm <sup>2</sup> / 14 mm <sup>2</sup>	16 mm <sup>2</sup> / 14 mm <sup>2</sup>
Solid wire/Stranded wire		
Current data		
Rated voltage	450 V	450 V
Rated current	30 ... 76 A	30 ... 76 A
Operating temperature	+350 °C (insert), +800 °C (body)	+350 °C (insert), +800 °C (body)
External dimensions		
W / L / ø1 / ø2 / D / d / H [mm]	27 / 15 / 5,9 / - / - / 12 / 22	27 / 31 / 5,9 / 5,0 / 17 / 12 / 22
Set screw - bolt	M3,5	M3,5
Stripped wire length	6 mm	6 mm
Weight	21 g	41 g
Additional information		with mounting opening
Collective packaging		







	CPO-30A-3P
	
	<b>3x16 mm<sup>2</sup></b>
Colour   Cat. number	White ○ 80 733 516
Standard	EN 60998-1; EN 60998-2-1
Certificate / Declaration	CE
Body	ceramic, matte
Number of tracks	3
Rated cross-section	16 mm <sup>2</sup> / 14 mm <sup>2</sup>
Solid wire/Stranded wire	
Current data	
Rated voltage	450 V
Rated current	30 ... 76 A
Operating temperature	+350 °C (insert), +800 °C (body)
External dimensions	
W / L / ø1 / ø2 / D / d / H [mm]	27 / 48 / 5,9 / 5,0 / 17 / 12 / 22 mm
Set screw - bolt	M4
Stripped wire length	8 mm
Weight	66 g
Additional information	with mounting opening
Collective packaging	

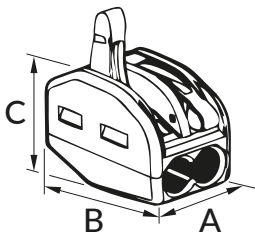
# QUICK DISCONNECT TERMINAL BLOCKS


for stranded and solid wire

2.4



	PC301-CL	PC302-CL
		
	<b>2,5 mm<sup>2</sup> / 2,5 mm<sup>2</sup></b>	<b>2,5 mm<sup>2</sup> / 2x2,5 mm<sup>2</sup></b>
Colour   Cat. number		
Grey ●	89 006 002	89 007 006
White ○		
Number of wires	1	2
Cross-section and type of wires		
Supply side	0,75 - 2,5 mm <sup>2</sup> , solid wire	0,75 - 2,5 mm <sup>2</sup> , solid wire
Lighting side	0,5 - 2,5 mm <sup>2</sup> , solid wire and stranded wire	2x0,5 - 2,5 mm <sup>2</sup> , solid wire and stranded wire
Current data		
Rated current	24 A	17,5 A
Rated voltage	450 V	450 V
Operating temperature	-30 °C ... +105 °C	-30 °C ... +105 °C
External dimensions		
A / B / C [mm]	20,8 / 15,8 / 8,1	20,8 / 15,9 / 9,5
Application	EASY LINK Quick Disconnect Terminal Blocks are used in the implementation of lighting installations and other electrical installation works. They allow for the connection of solid and stranded wires. They are made of self-extinguishing material that meets the UL 94V-2 standard. They include a self-clamping wire connecting system.	
Collective packaging		

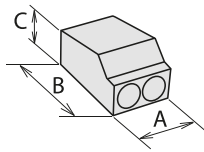


	ZU-402	ZU-403	ZU-405
			
	<b>2x4 mm<sup>2</sup></b>	<b>3x4 mm<sup>2</sup></b>	<b>5x4 mm<sup>2</sup></b>
Colour   Cat. number			
Transparent/Orange ●○	85 122 000	85 123 000	85 125 000
Rated cross-section			
Solid wire/Stranded wire	0,2 ... 4 mm <sup>2</sup>	0,2 ... 4 mm <sup>2</sup>	0,2 ... 4 mm <sup>2</sup>
Number of tracks	2	3	5
Rated voltage	450 V	450 V	450 V
Operating temperature	+105 °C	+105 °C	+105 °C
Rated current			
	32 A	32 A	32 A
External dimensions			
A / B / C [mm]	12,2 / 20,8 / 14,5	17,0 / 20,8 / 14,5	26,1 / 20,8 / 14,5
Stripped wire length	10 mm	10 mm	10 mm
Application	Universal terminal blocks for single- and multi-solid wire conductors. Within a range from 0,2 mm <sup>2</sup> to 4 mm <sup>2</sup> , they can be used for all connection wires of: light fixtures, blinds control systems, door and gate control systems, sound systems, etc.		
Collective packaging			

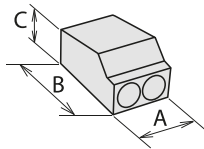
# 2.4

## QUICK DISCONNECT TERMINAL BLOCKS

for solid wire · MINI series



	PC2252-CL	PC2253-CL
	<b>2x2,5 mm<sup>2</sup></b>	<b>3x2,5 mm<sup>2</sup></b>
Colour   Cat. number		
Transparent ○	89 021 000	89 022 000
Standard		
Certificate / Declaration	CE	CE
Rated cross-section		
Solid wire	0,5 ... 2,5 mm <sup>2</sup>	0,5 ... 2,5 mm <sup>2</sup>
Number of tracks	2	3
Current data		
Rated voltage	450 V	450 V
Rated current	24 A	24 A
Operating temperature	-30 °C ... +85 °C	-30 °C ... +85 °C
External dimensions		
A / B / C [mm]	10,6 / 16 / 7,3	15 / 16 / 7,3
Stripped wire length	11 mm	11 mm
Weight	1,8 g	2,3 g
Material	polycarbonate + stainless steel + tinned copper	polycarbonate + stainless steel + tinned copper
Collective packaging		



	PC2254-CL	PC2255-CL	PC2258-CL
	<b>4x2,5 mm<sup>2</sup></b>	<b>5x2,5 mm<sup>2</sup></b>	<b>8x2,5 mm<sup>2</sup></b>
Colour   Cat. number			
Transparent ○	89 023 000	89 024 000	89 005 000
Standard			
Certificate / Declaration	CE	CE	CE
Rated cross-section			
Solid wire	0,5 ... 2,5 mm <sup>2</sup>	0,5 ... 2,5 mm <sup>2</sup>	0,5 ... 2,5 mm <sup>2</sup>
Number of tracks	4	5	8
Current data			
Rated voltage	450 V	450 V	450 V
Rated current	24 A	24 A	24 A
Operating temperature	-30 °C ... +85 °C	-30 °C ... +85 °C	-30 °C ... +85 °C
External dimensions			
A / B / C [mm]	19,4 / 16 / 7,3	23,8 / 16 / 7,3	17,9 / 17,6 / 14,3
Stripped wire length	11 mm	11 mm	11 mm
Weight	2,9 g	3,5 g	4,9 g
Material	polycarbonate + stainless steel + tinned copper	polycarbonate + stainless steel + tinned copper	polycarbonate + stainless steel + tinned copper
Collective packaging			





# DISTRIBUTION BLOCKS

# SIMBLOCK

## SCB BRANCH DISTRIBUTION BLOCKS



product video

housing to prevent accidental finger contact with active parts

round edges

open clamping space

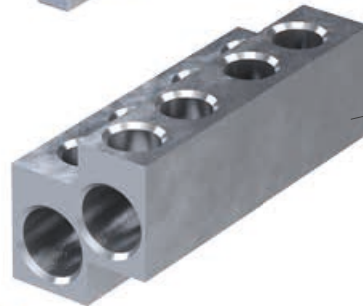
suitable for Al and Cu conductors

installation on TS 35 rail (horizontal)

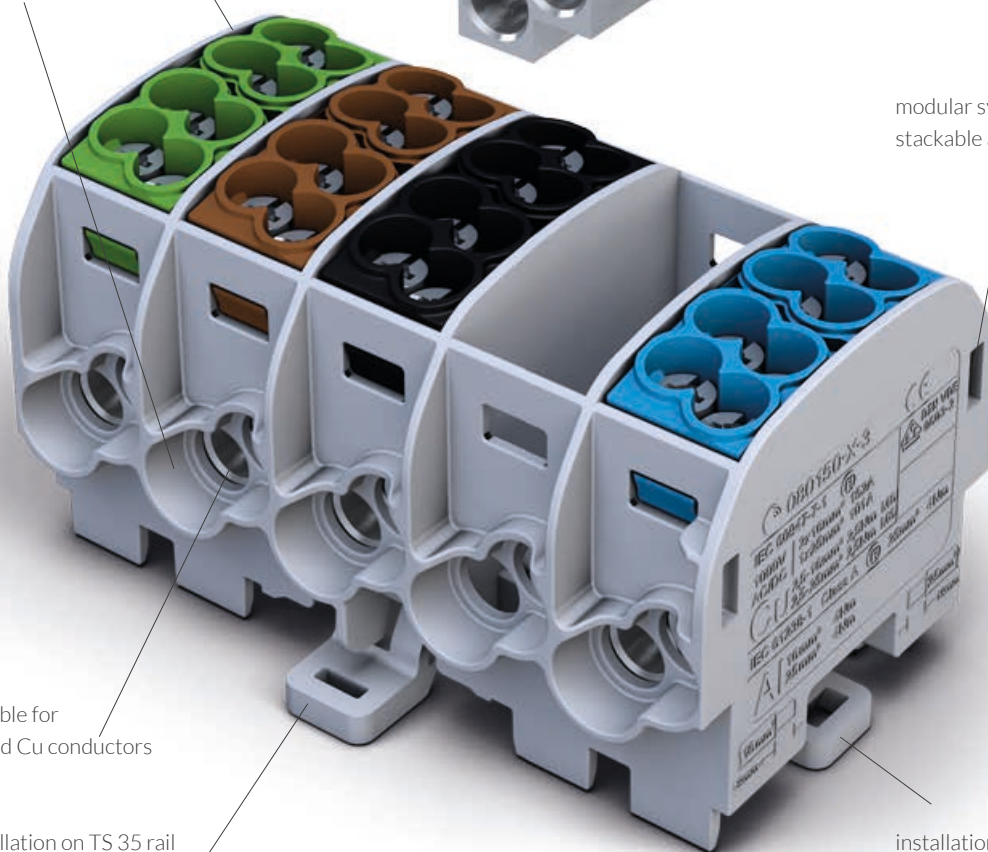


special dome technology avoids loss of screws

each wire fixed with two grub screws



unique core structure



modular system, stackable and combinable

installation on TS 35 rail (vertical)

SIMBLOCK

Al / Cu

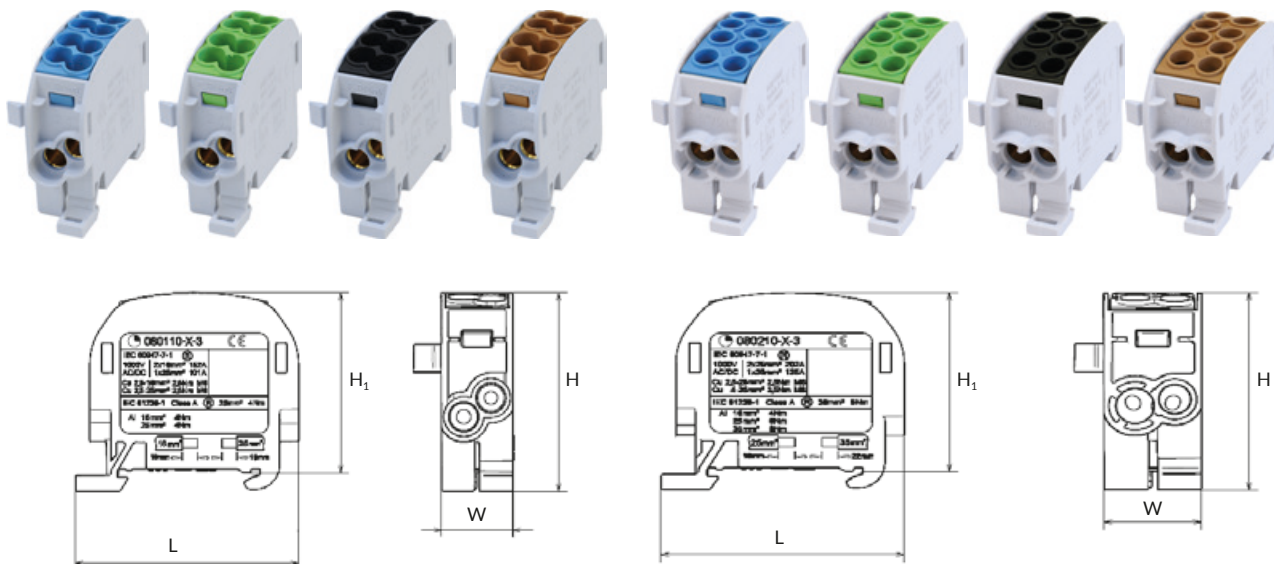
Compliance with standards:

- IEC 60947-7-1
- IEC 61238-1
- UL-1059
- CSA C22.2 No. 158-10



	SCB 25	SCB 35
	<b>2x16 mm<sup>2</sup> / 2x25 mm<sup>2</sup></b>	<b>2x25 mm<sup>2</sup> / 2x35 mm<sup>2</sup></b>
Colour   Cat. number		
Grey ○	81 501 002	81 502 002
Blue ●	81 501 003	81 502 003
Green ●	81 501 005	81 502 005
Brown ●	81 501 015	81 502 015
Black ●	81 501 007	81 502 007
Current data		
Standard	IEC	IEC
Rated voltage	1000 V AC 1000 V DC	1000 V AC 1000 V DC
Rated current	152 A (Cu) 100 A (Al)	202 A (Cu) 125 A (Al)
Rated cross-section		
Input (wire)	2 x (2,5 - 25) mm <sup>2</sup>	2 x (4 - 35) mm <sup>2</sup>
Input (wire with sleeve)	2 x (1,5 - 16) mm <sup>2</sup>	2 x (2,5 - 25) mm <sup>2</sup>
Output (wire)	2 x (2,5 - 16) mm <sup>2</sup>	2 x (2,5 - 16) mm <sup>2</sup>
Output (wire with sleeve)	2 x (1,5 - 10) mm <sup>2</sup>	2 x (1,5 - 10) mm <sup>2</sup>
Number of poles	1	1
Mounting	on TS 35 rail	on TS 35 rail
Compliance with directives	RoHS	RoHS
External dimensions		
W / H / H1 / L [mm]	17,8 / 49,3 / 44,7 / 55,7	29 / 49,3 / 44,7 / 55,4
Weight	68 g	92 g
Additional information	can be combined in sections	can be combined in sections
Collective packaging*		

\*These products are also sold in pieces.





# 3.1

## BRANCH DISTRIBUTION BLOCKS Al/Cu - SCB SERIES for connection of Al/Cu, Cu/Cu, Al/Al conductors, five-pole



# SIMBLOCK

### SCB 25-5X

**Al / Cu**

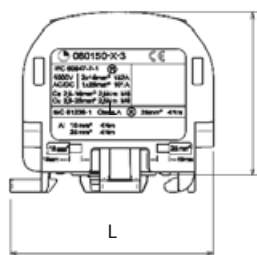


Compliance with standards:

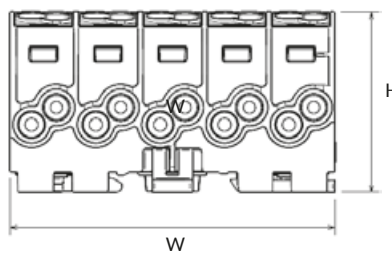
- IEC 60947-7-1
- IEC 61238-1

**5x(2x16 mm<sup>2</sup> / 2x25 mm<sup>2</sup>)**

Colour   Cat. number	
Grey ○	81 500 002
Grey ○ / Blue ● / Green ●	81 500 020
Current data	
Standard	IEC
Rated voltage	1000 V AC 1000 V DC
Rated current	152 A (Cu) 100 A (Al)
Rated cross-section	
Input (wire)	2 x (2,5 - 25) mm <sup>2</sup>
Input (wire with sleeve)	2 x (1,5 - 16) mm <sup>2</sup>
Output (wire)	2 x (2,5 - 16) mm <sup>2</sup>
Output (wire with sleeve)	2 x (1,5 - 10) mm <sup>2</sup>
Number of poles	5
Mounting	on TS 35 rail
Compliance with directives	RoHS
External dimensions	
W / H / H1 / L [mm]	88,8 / 49,3 / 44,7 / 55,7
Weight	341 g
Additional information	can be installed vertically or horizontally
Collective packaging	



H<sub>1</sub>



H

W









SIMBLOCK

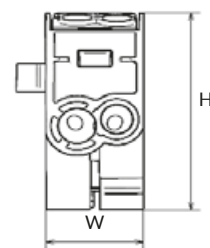
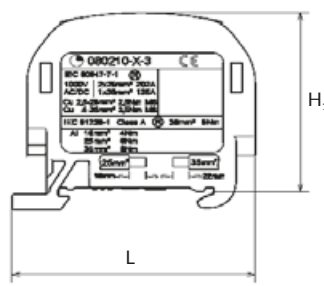
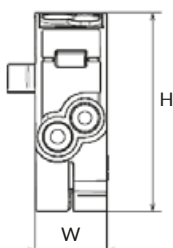
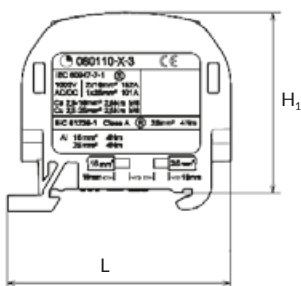
Cu

- Compliance with standards:
- IEC 60947-7-1
  - IEC 61238-1



	SCB 25-Cu	SCB 35-Cu
		
	<b>2x16 mm<sup>2</sup> / 2x25 mm<sup>2</sup></b>	<b>2x25 mm<sup>2</sup> / 2x35 mm<sup>2</sup></b>
Colour   Cat. number		
Grey ○	81 503 002	81 504 002
Blue ●	81 503 003	81 504 003
Green ●	81 503 005	81 504 005
Brown ●	81 503 015	81 504 015
Black ●	81 503 007	81 504 007
Current data		
Standard	IEC	IEC
Rated voltage	1000 V AC 1000 V DC	1000 V AC 1000 V DC
Rated current	152 A (Cu)	202 A (Cu)
Rated cross-section		
Input (wire)	2 x (2,5 - 25) mm <sup>2</sup>	2 x (4 - 35) mm <sup>2</sup>
Input (wire with sleeve)	2 x (1,5 - 16) mm <sup>2</sup>	2 x (2,5 - 25) mm <sup>2</sup>
Output (wire)	2 x (2,5 - 16) mm <sup>2</sup>	2 x (2,5 - 25) mm <sup>2</sup>
Output (wire with sleeve)	2 x (1,5 - 10) mm <sup>2</sup>	2 x (1,5 - 16) mm <sup>2</sup>
Number of poles	1	1
Mounting	on TS 35 rail	on TS 35 rail
Compliance with directives	RoHS	RoHS
External dimensions		
W / H / H1 / L [mm]	17,8 / 49,3 / 44,7 / 55,7	29 / 49,3 / 44,7 / 55,4
Weight	68 g	92 g
Additional information	can be combined in sections	can be combined in sections
Collective packaging*		

\*These products are also sold in pieces.



# SIMBLOCK

## DISTRIBUTION BLOCKS SDB

incoming circuits: identification with letters

round edges

housing to prevent accidental finger contact with active parts

hexagon head screws: transmission of high torque moments

fine pitch thread: transmission of high torque moments

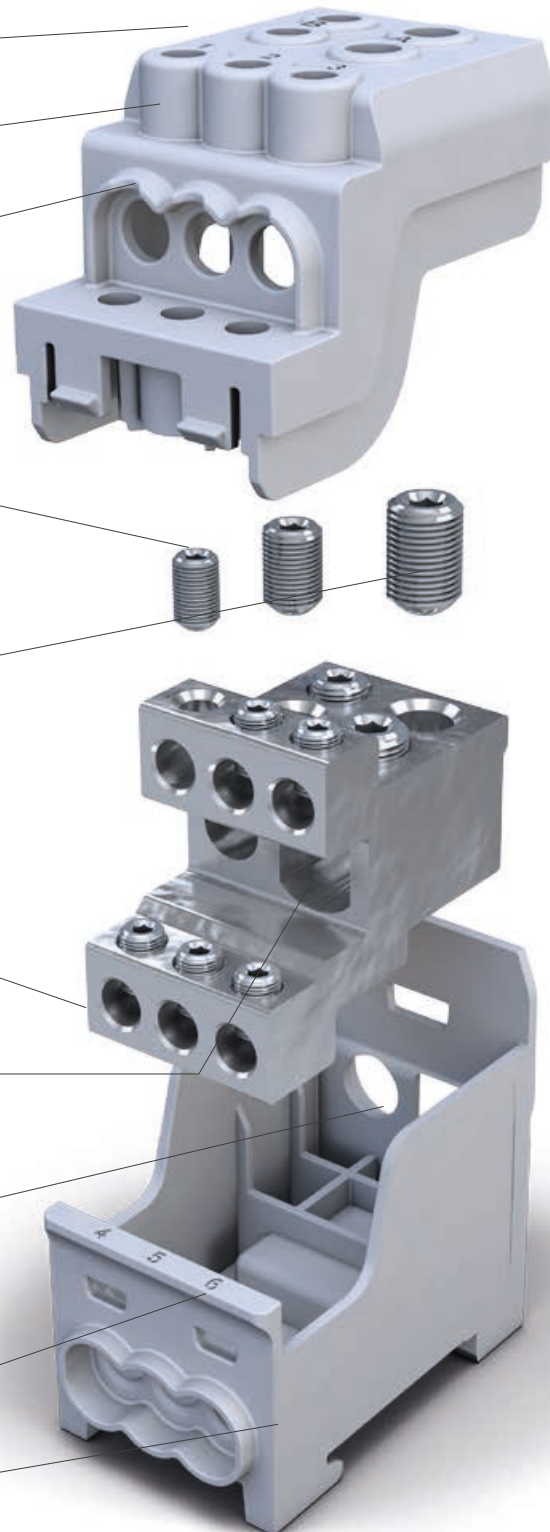
optimized brass body

internally profiled hole dedicated to all sleeved cables

hole for a bridge or cable

outgoing circuits: identification with figures

installation on TS 35 rail









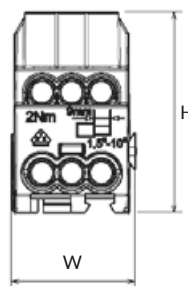
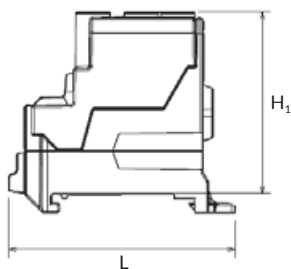
SIMBLOCK

Al / Cu

Compliance with standards:

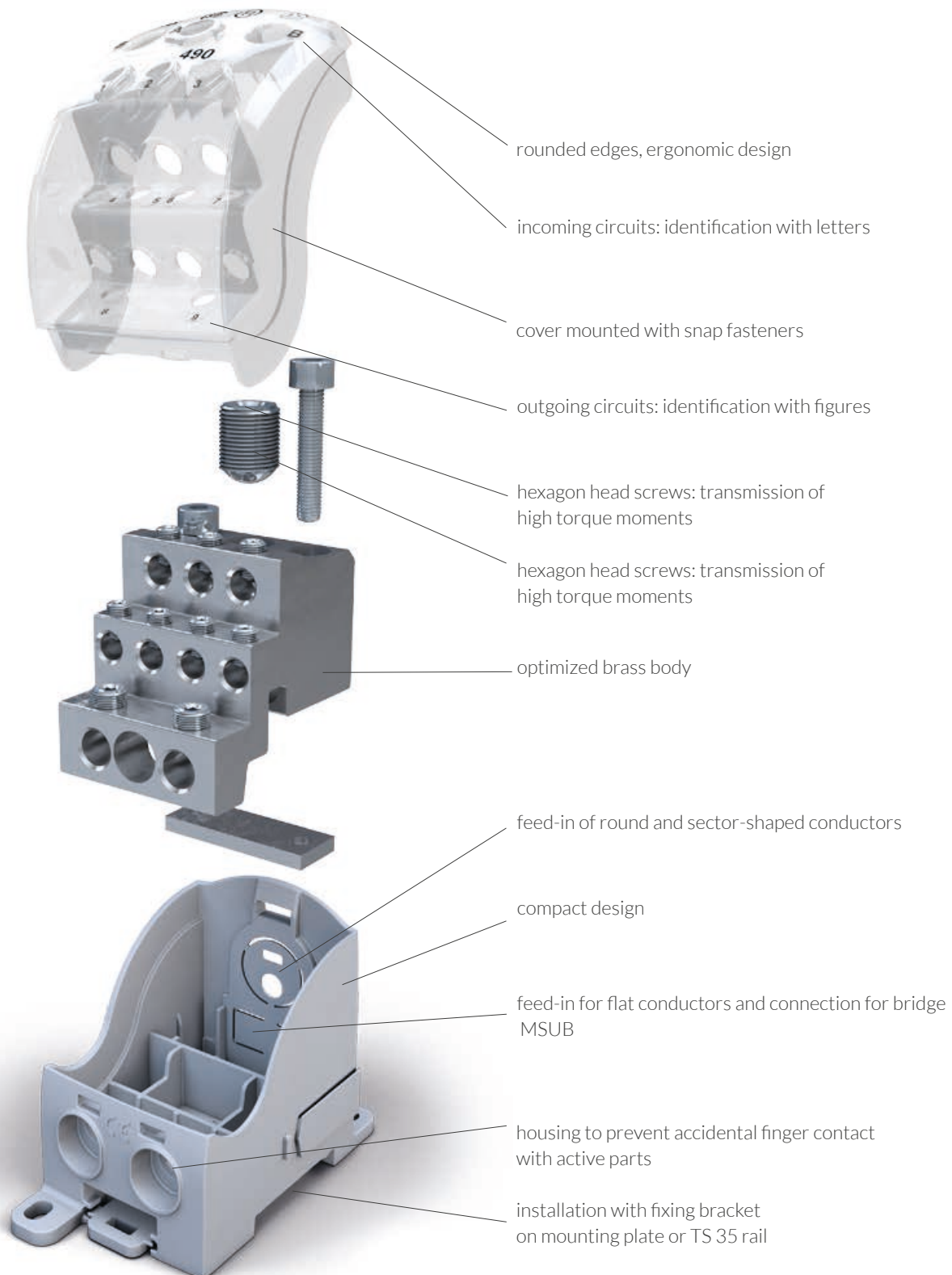
- EN 60998-2-1
- EN 60947-7-1
- IEC 61238-1 (Class A)

	SDB 100	SDB 200
		
	<b>2x25 mm<sup>2</sup> / 6x10 mm<sup>2</sup></b>	<b>1x70 mm<sup>2</sup> / 1x35 mm<sup>2</sup> / 6x16 mm<sup>2</sup></b>
Colour   Cat. number		
Grey ○	81 601 002	81 602 002
Blue ●	81 601 003	81 602 003
Green ●	81 601 005	81 602 005
Brown ●	81 601 015	81 602 015
Black ●	81 601 007	81 602 007
Current data		
Standard	IEC	IEC
Rated voltage	1000 V AC	1000 V AC 1500 V DC
Rated current	101 A (Cu) 100 A (Al)	192 A (Cu) 170 A (Al)
Rated cross-section		
Input (wire)	2 x (2,5 - 25) mm <sup>2</sup>	1 x (10 - 70) mm <sup>2</sup>
Input (wire with sleeve)	2 x (1,5 - 16) mm <sup>2</sup>	1 x (6 - 50) mm <sup>2</sup>
Output (wire)	6 x (1,5 - 10) mm <sup>2</sup>	6 x (1,5 - 16) / 1 x (4 - 35) mm <sup>2</sup>
Output (wire with sleeve)	6 x (1,5 - 6) mm <sup>2</sup>	6 x (1,5 - 10) / 1 x (2,5 - 25) mm <sup>2</sup>
Mounting	on TS 35 rail	on TS 35 rail
Compliance with directives	RoHS	RoHS
External dimensions		
W / H / H1 / L [mm]	30,2 / 49 / 45,5 / 55,4	38,5 / 63 / 57,5 / 69,75
Weight	101 g	267 g
Collective packaging		



# SIMBLOCK

## SUB UNIVERSAL DISTRIBUTION BLOCKS





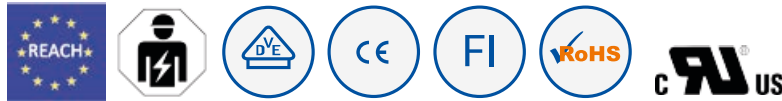
UNIVERSAL DISTRIBUTION BLOCKS Al/Cu - SUB SERIES  
for connection of Al/Cu, Cu/Cu, Al/Al conductors, single-pole

3.3

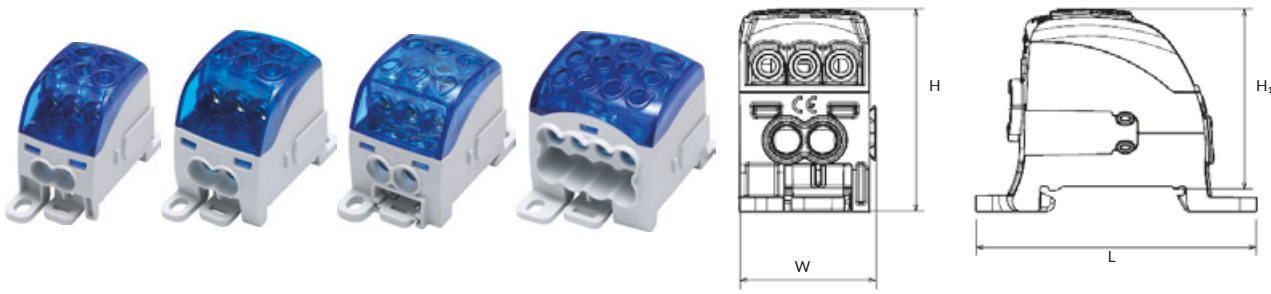
SIMBLOCK

Al / Cu

- Compliance with standards:
- IEC 60947-7-1
  - UL-1059



	SUB 160		SUB 210		SUB 220		SUB 270			
	25 mm <sup>2</sup>		35 mm <sup>2</sup>		70 mm <sup>2</sup>		95 mm <sup>2</sup>			
Colour   Cat. number	Grey ○		81 653 002		81 654 002		81 650 002		81 655 002	
	Blue ●		81 653 003		81 654 003		81 650 003		81 655 003	
Current data										
Standard	IEC	US	IEC	US	IEC	US	IEC	US	IEC	US
Rated voltage	1000 V AC 1000 V DC	600 V AC	1000 V AC 1000 V DC	600 V AC	1000 V AC 1000 V DC	600 V AC	1000 V AC 1000 V DC	600 V AC	1000 V AC 1000 V DC	600 V AC
Rated current	101 A (Cu) 164 A (Cu)	85 A (Cu) 65 A (Al)	125 A (Cu) 214 A (Cu)	115 A (Cu) 90 A (Al)	192 A (Cu) 215 A (Cu)	160 A (Cu) 135 A (Al)	232 A (Cu) 270 A (Cu)	200 A (Cu) 155 A (Al)		
Rated cross-section										
Input (wire)	1 x (2,5 - 25) mm <sup>2</sup>		1 x (4 - 35) mm <sup>2</sup>		1 x (10 - 70) mm <sup>2</sup>		1 x (16 - 95) mm <sup>2</sup>			
Input (wire with sleeve)	2 x (1,5 - 16) mm <sup>2</sup>		1 x (2,5 - 25) mm <sup>2</sup>		1 x (6 - 50) mm <sup>2</sup>		1 x (10 - 70) mm <sup>2</sup>			
Input (flat wire)	MSUB 2-160; MSUB 3-160		MSUB 2-210; MSUB 3-210		1 x (15,5 x 5) mm <sup>2</sup>		-			
Output (wire)	1 x (1,5 - 16) / 2 x (1,5 - 16) / 3 x (1,5 - 10) mm <sup>2</sup>		1 x (1,5 - 16) / 2 x (2,5 - 25) / 3 x (1,5 - 16) mm <sup>2</sup>		2 x (2,5 - 25) / 3 x (1,5 - 16) mm <sup>2</sup>		2 x (4 - 35) / 8 x (2,5 - 25) mm <sup>2</sup>			
Output (wire with sleeve)	1 x (1,5 - 10) / 2 x (1,5 - 10) / 3 x (1,5 - 6) mm <sup>2</sup>		1 x (1,5 - 10) / 2 x (1,5 - 16) / 3 x (1,5 - 10) mm <sup>2</sup>		2 x (1,5 - 16) / 3 x (1,5 - 10) mm <sup>2</sup>		2 x (2,5 - 25) / 8 x (1,5 - 16) mm <sup>2</sup>			
Mounting	on TS 35 rail, on a mounting plate		on TS 35 rail, on a mounting plate		on TS 35 rail, on a mounting plate		on TS 35 rail, on a mounting plate			
Compliance with directives	RoHS		RoHS		RoHS		RoHS			
External dimensions										
W / H / H1 / L [mm]	33 / 49 / 44 / 68		37,1 / 53,7 / 48,7 / 70		41 / 52,5 / 45,4 / 74,5		52,5 / 54,5 / 49,5 / 73			
Weight	94 g		136 g		200 g		216 g			
Additional information	possibility to electrically connect two SUB 160 units by using connecting bridge MSUB 2-160 or three by using MSUB 3-160; possibility to connect in sections		possibility to electrically connect two SUB 210 units by using connecting bridge MSUB 2-210 or three by using MSUB 3-210; possibility to connect in sections		can be combined in sections		can be combined in sections			
Collective packaging										



	CONNECTING BRIDGE			
	MSUB 2-160	MSUB 3-160	MSUB 2-210	MSUB 3-210
	16 mm <sup>2</sup>	16 mm <sup>2</sup>	16 mm <sup>2</sup>	16 mm <sup>2</sup>
Colour   Cat. number	Grey ○			
	81 905 006	81 906 006	81 907 006	81 908 006
Collective packaging				

Distribution blocks



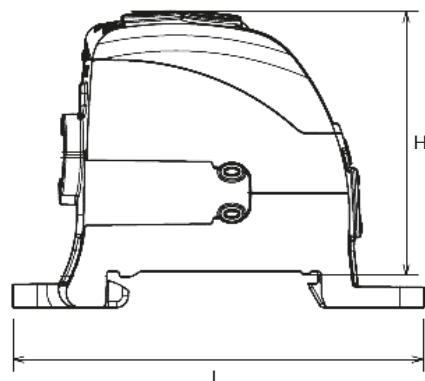
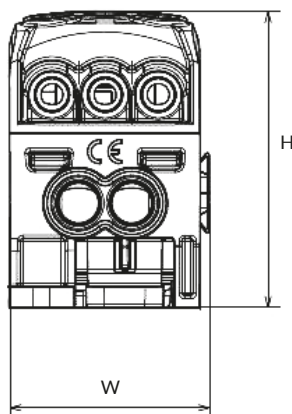
# SIMBLOCK

**Al / Cu**

Compliance with standards:

- IEC 60947-7-1
- UL-1059

	SUB 400		SUB 490	
	120 mm <sup>2</sup>		185 mm <sup>2</sup>	
Colour   Cat. number				
Grey ●	81 651 002		81 652 002	
Blue ●	81 651 003		81 652 003	
Current data				
Standard	IEC	US	IEC	US
Rated voltage	1000 V AC 1500 V DC	600 V AC	1000 V AC 1500 V DC	600 V AC
Rated current	269 A (Cu) 400 A (Cu)	250 A (Cu) 205 A (Al)	353 A (Cu) 490 A (Cu)	310 A (Cu) 250 A (Al)
Rated cross-section				
Input (wire)	1 x (35 - 120) mm <sup>2</sup>		1 x (95 - 185) mm <sup>2</sup>	
Input (wire with sleeve)	1 x (25 - 95) mm <sup>2</sup>		1 x (70 - 150) mm <sup>2</sup>	
Input (flat wire)	1 x (24x10) mm <sup>2</sup>		1 x (24x10) mm <sup>2</sup>	
Output (wire)	2 x (4 - 35) / 3 x (2,5 - 25) / 4 x (1,5 - 16) mm <sup>2</sup>		2 x (4 - 35) / 3 x (2,5 - 25) / 4 x (1,5 - 16) mm <sup>2</sup>	
Output (wire with sleeve)	2 x (2,5 - 25) / 3 x (1,5 - 16) / 4 x (1,5 - 10) mm <sup>2</sup>		2 x (2,5 - 25) / 3 x (1,5 - 16) / 4 x (1,5 - 10) mm <sup>2</sup>	
Mounting	on TS 35 rail, on a mounting plate		on TS 35 rail, on a mounting plate	
Compliance with directives	RoHS		RoHS	
External dimensions				
W / H / H1 / L [mm]	52,7 / 77,7 / 72,5 / 95		52,7 / 77,7 / 72,5 / 95	
Weight	518 g		496 g	
Additional information	can be combined in sections		can be combined in sections	
Collective packaging				



SIMBLOCK

Cu

Compliance with standards:  
• IEC 60947-7-1

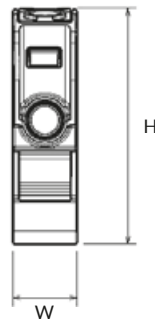
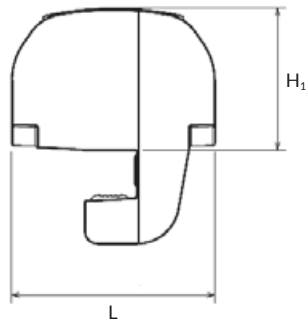


SBB 16



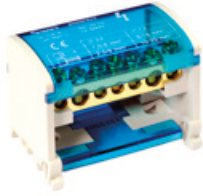
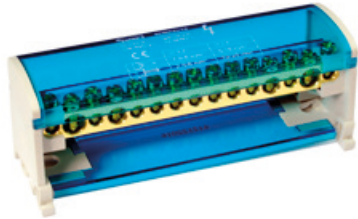


2x16 mm <sup>2</sup>	
<b>Colour   Cat. number</b>	
Grey ○	81 550 002
Blue ●	81 550 003
Green ●	81 550 005
Brown ●	81 550 015
Black ●	81 550 007
<b>Current data</b>	
Standard	IEC
Rated voltage	690 V AC
Rated current	114 A (Cu)
<b>Rated cross-section</b>	
Input	a busbar min. 10 mm
Output (wire)	2 x (1,5 - 16) mm <sup>2</sup>
Output (wire with sleeve)	2 x (1 - 10) mm <sup>2</sup>
Mounting	on a busbar min. 10 mm
Compliance with directives	RoHS
<b>External dimensions</b>	
W / H / H1 / L [mm]	15,2 / 55,2 / 33,2 / 47,8
Weight	93 g
Additional information	insulated housing
Collective packaging	

Distribution blocks

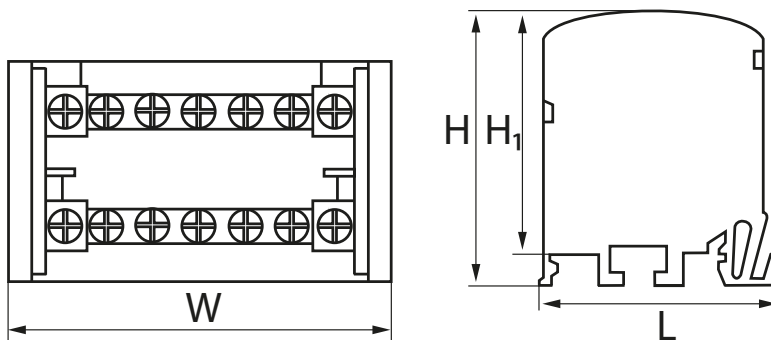


Compliance with standards:

- EN 60998-1
- EN 60988-2-1
- EN 62988-2-2

	ShNK2x7	ShNK2x15
		
	$2 \times \begin{pmatrix} 5 \times 6 \text{ mm}^2, \\ 2 \times 25 \text{ mm}^2 \end{pmatrix}$	$2 \times \begin{pmatrix} 7 \times 6 \text{ mm}^2, \\ 2 \times 25 \text{ mm}^2, \\ 2 \times 35 \text{ mm}^2 \end{pmatrix}$
Colour   Cat. number	85 134 002	85 135 002
Current data		
Rated voltage	500 V	500 V
Rated current	100 A	125 A
Nominal cross-sections		
Input (wire with sleeve)	5 x (1,5 ... 6 mm <sup>2</sup> ); 2 x (6 ... 16 mm <sup>2</sup> )	11 x (1,5 ... 6 mm <sup>2</sup> ); 2 x (6 ... 16 mm <sup>2</sup> ); 2 x (10 ... 16 mm <sup>2</sup> )
Input (wire)	5 x (2,5 ... 6 mm <sup>2</sup> ); 2 x (10 ... 25 mm <sup>2</sup> )	11 x (2,5 ... 6 mm <sup>2</sup> ); 2 x (10 ... 25 mm <sup>2</sup> ); 2 x (10 ... 35 mm <sup>2</sup> )
Quantity x hole diameter	$\left. \begin{matrix} 5 \times \varnothing 5,3 \text{ mm} \\ 2 \times \varnothing 7,5 \text{ mm} \end{matrix} \right\} \times 2 \text{ tracks}$	$\left. \begin{matrix} 11 \times \varnothing 5,3 \text{ mm} \\ 2 \times \varnothing 7,5 \text{ mm} \\ 2 \times \varnothing 9 \text{ mm} \end{matrix} \right\} \times 2 \text{ tracks}$
External dimensions		
W / H / H1 / L [mm]	65 / 51 / 45 / 45	132 / 51 / 45 / 45
Collective packaging*		





\*These products are also sold in pieces.



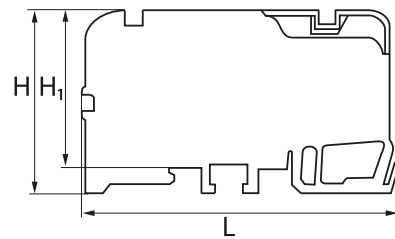
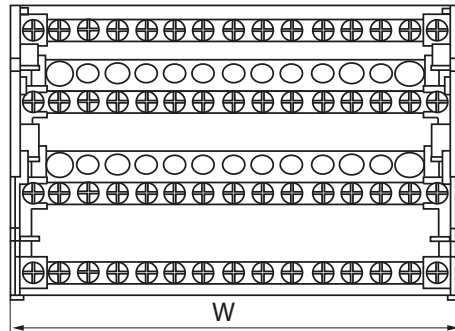


Compliance with standards:

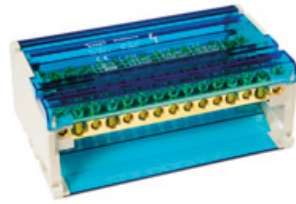
- EN 60998-1
- EN 60988-2-1
- EN 62988-2-2

	ShNK4x7	ShNK4x11
		
	$4 \times \left( \begin{matrix} 5 \times 6 \text{ mm}^2, \\ 2 \times 25 \text{ mm}^2 \end{matrix} \right)$	$4 \times \left( \begin{matrix} 7 \times 6 \text{ mm}^2, \\ 2 \times 25 \text{ mm}^2, \\ 2 \times 35 \text{ mm}^2 \end{matrix} \right)$
Colour   Cat. number	85 136 002	85 137 002
Current data		
Rated voltage	500 V	500 V
Rated current	100 A	125 A
Nominal cross-sections		
Input (wire with sleeve)	5 x (1,5 ... 6 mm <sup>2</sup> ); 2 x (6 ... 16 mm <sup>2</sup> )	7 x (1,5 ... 6 mm <sup>2</sup> ); 2 x (6 ... 16 mm <sup>2</sup> ); 2 x (10 ... 16 mm <sup>2</sup> )
Input (wire)	5 x (2,5 ... 6 mm <sup>2</sup> ); 2 x (10 ... 25 mm <sup>2</sup> )	7 x (2,5 ... 6 mm <sup>2</sup> ); 2 x (10 ... 25 mm <sup>2</sup> ); 2 x (10 ... 35 mm <sup>2</sup> )
Quantity x hole diameter	$\left. \begin{matrix} 5 \times \varnothing 5,3 \text{ mm} \\ 2 \times \varnothing 7,5 \text{ mm} \end{matrix} \right\} \times 4 \text{ tracks}$	$\left. \begin{matrix} 7 \times \varnothing 5,3 \text{ mm} \\ 2 \times \varnothing 7,5 \text{ mm} \\ 2 \times \varnothing 9 \text{ mm} \end{matrix} \right\} \times 4 \text{ tracks}$
External dimensions		
W / H / H1 / L [mm]	65 / 50 / 44 / 87	100 / 50 / 44 / 87
Collective packaging*		

\*These products are also sold in pieces.



ShNK4x15



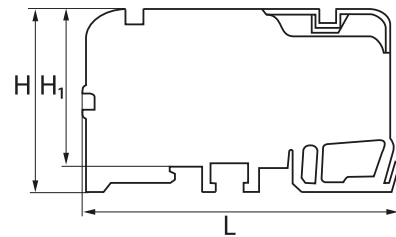
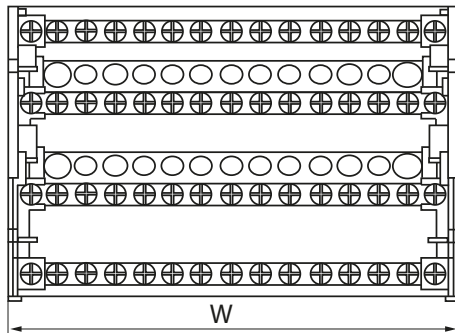
**Compliance with standards:**

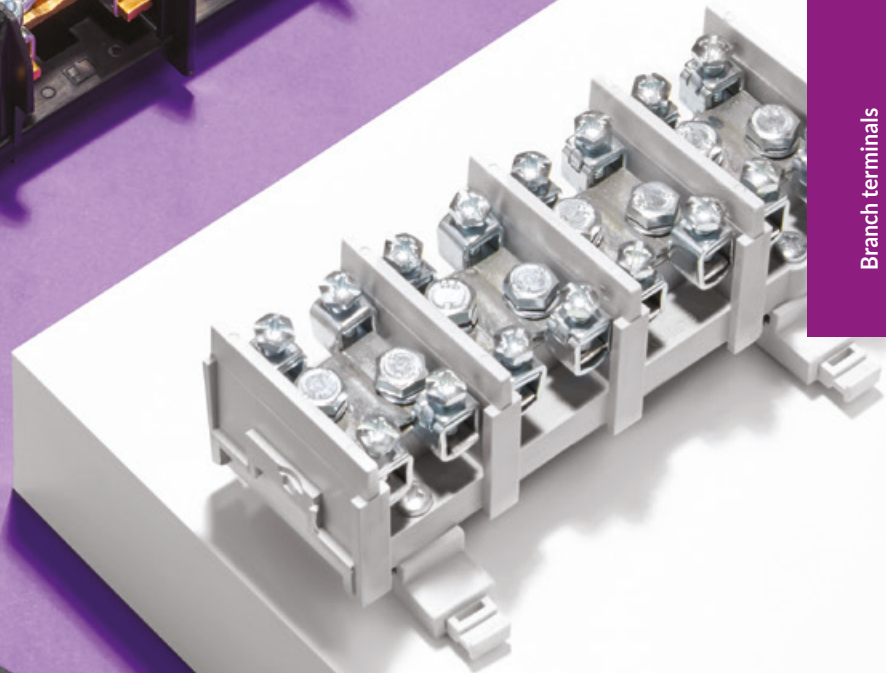
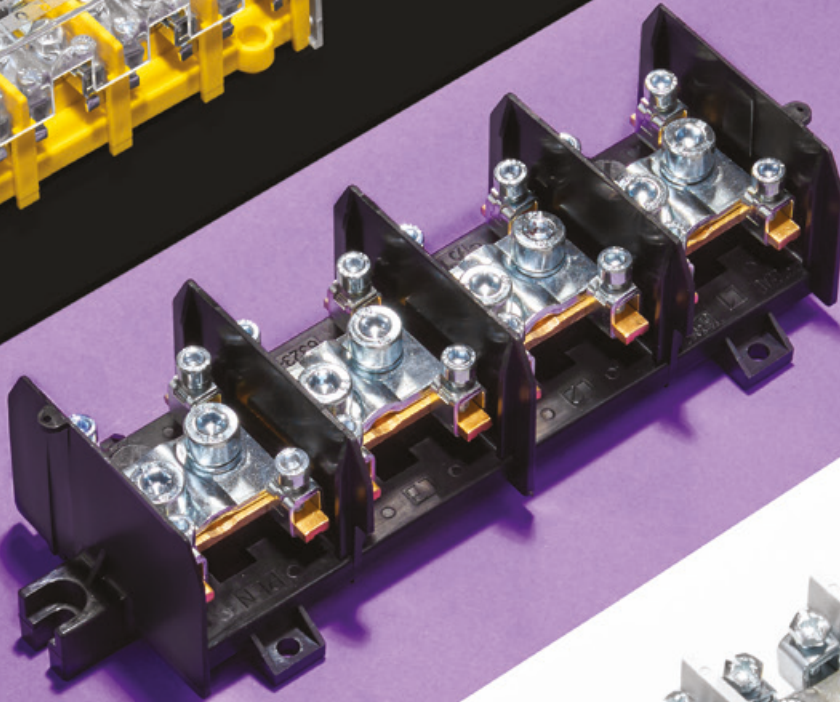
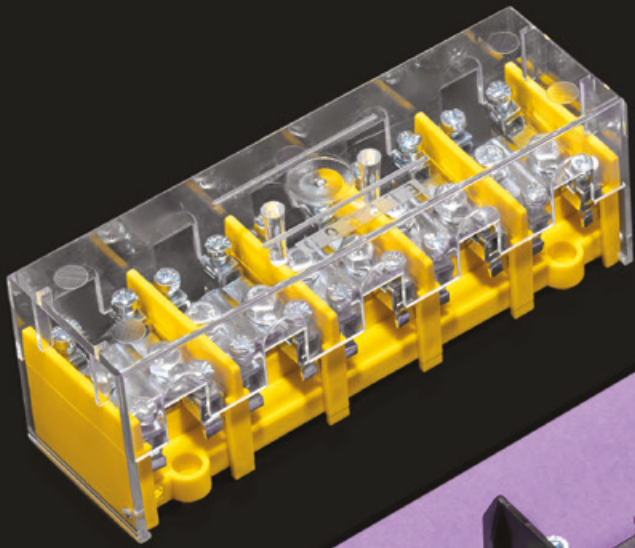
- EN 60998-1
- EN 60988-2-1
- EN 62988-2-2

4x  $\left( \begin{array}{l} 11 \times 6 \text{ mm}^2 \\ 2 \times 25 \text{ mm}^2 \\ 2 \times 35 \text{ mm}^2 \end{array} \right)$

Colour   Cat. number	85 138 002
Current data	
Rated voltage	500 V
Rated current	125 A
Nominal cross-sections	
Input (wire with sleeve)	11 x (1,5 ... 6 mm <sup>2</sup> ); 2 x (6 ... 16 mm <sup>2</sup> ); 2 x (10 ... 16 mm <sup>2</sup> )
Input (wire)	11 x (2,5 ... 6 mm <sup>2</sup> ); 2 x (10 ... 25 mm <sup>2</sup> ); 2 x (10 ... 35 mm <sup>2</sup> )
Quantity x hole diameter	$\left. \begin{array}{l} 11 \times \varnothing 5,3 \text{ mm} \\ 2 \times \varnothing 7,5 \text{ mm} \\ 2 \times \varnothing 9 \text{ mm} \end{array} \right\} \times 4 \text{ tracks}$
External dimensions	
W / H / H1 / L [mm]	132 / 50 / 44 / 87
Collective packaging*	

\*These products are also sold in pieces.











# BRANCH TERMINALS

# 4.1





## BRANCH TERMINALS

1-block






	LZ1*25/6	LZ1*35/16 wyk.11	LZ1*35/16 wyk.12
			
	<b>25 mm<sup>2</sup>/4x6 mm<sup>2</sup></b>	<b>35 mm<sup>2</sup>/4x16 mm<sup>2</sup></b>	<b>2x35 mm<sup>2</sup>/4x16 mm<sup>2</sup></b>
Colour   Cat. number			
Grey ○	84 101 002	84 104 002	84 115 002
Current data			
Rated voltage	500 V	450 V	450 V
Rated current	101 A	125 A	125 A
External dimensions			
Dimensions A / B / C [mm]	42 / 35 / 55	41 / 43 / 49	41 / 53 / 49
Quantity x rated cross-section			
Solid wire	1 x (4 ... 25 mm <sup>2</sup> ); 4 x (1,5 ... 6 mm <sup>2</sup> )	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 wire	1 x (4 ... 16 mm <sup>2</sup> ); 4 x (1,5 ... 4 mm <sup>2</sup> )	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 substrate and to the TS35 rail	to the substrate	to the substrate
Weight	63 g	100 g	111 g
Standard	IEC 60998-2-1	IEC 60998-2-1	IEC 60998-2-1
Collective packaging			







	LZ1*35/16 wyk.21	LZ1*35/16 wyk.22
		
	<b>35 mm<sup>2</sup>/4x16 mm<sup>2</sup></b>	<b>2x35 mm<sup>2</sup>/4x16 mm<sup>2</sup></b>
Colour   Cat. number		
Grey ○	84 049 002	84 116 002
Current data		
Rated voltage	450 V	450 V
Rated current	125 A	125 A
External dimensions		
Dimensions A / B / C [mm]	41 / 69 / 49	41 / 79 / 49
Quantity x rated cross-section		
Solid wire	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 wire	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 TS 35 rail	to the TS 35 rail
Weight	109 g	122 g
Standard	IEC 60998-2-1	IEC 60998-2-1
Collective packaging		





	LZ1*70/16	LZ1*70/16P
		
	<b>70 mm<sup>2</sup>/4x16 mm<sup>2</sup></b>	<b>70 mm<sup>2</sup>/4x16 mm<sup>2</sup></b>
Colour   Cat. number		
Grey ○	84 057 002	84 047 002
Blue ●	_____	84 047 003
Yellow-Green ●●	_____	84 047 009
Current data		
Rated voltage	690 V	690 V
Rated current	192 A	192 A
External dimensions		
Dimensions A / B / C [mm]	56 / 50 / 79	56 / 51 / 79
Quantity x rated cross-section		
Solid wire	1 x (16 ... 70 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 wire	1 x (16 ... 50 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	to the substrate and to the TS35 rail	to the substrate and to the TS35 rail
Additional information	-	with cover
Weight	173 g	184 g
Standard	IEC 60998-2-1	PN-EN 60947-1; PN-EN 60947-7-1
Collective packaging		



	LZ1*95/35P	LZ1*240/35/25P
		
	<b>95 mm<sup>2</sup>/4x35 mm<sup>2</sup></b>	<b>2x240 mm<sup>2</sup>, 1x35 mm<sup>2</sup>/2x25 mm<sup>2</sup></b>
Colour   Cat. number		
Grey ○	84 063 002	84 002 002
Blue ●	84 063 003	_____
Yellow ●	84 063 004	_____
Yellow-Green ●●	84 063 009	_____
Current data		
Rated voltage	690 V	690 V
Rated current	232 A	309 A
External dimensions		
Dimensions A / B / C [mm]	64 / 52 / 81	84 / 77 / 146
Quantity x rated cross-section		
Solid wire	1 x (25 ... 95 mm <sup>2</sup> ); 4 x (4 ... 35 mm <sup>2</sup> )	2 x (35 ... 240 mm <sup>2</sup> ); 1 x (16 ... 35 mm <sup>2</sup> ); 2 x (10 ... 25 mm <sup>2</sup> )
Stranded wire	1 x (25 ... 70 mm <sup>2</sup> ); 4 x (4 ... 25 mm <sup>2</sup> )	2 x (35 ... 120 mm <sup>2</sup> ); 1 x (16 ... 35 mm <sup>2</sup> ); 2 x (10 ... 25 mm <sup>2</sup> )
Mounting	to the substrate and to the TS35 rail	directly to the substrate
Additional information	with cover	with cap / ring lug
Weight	249 g	557 g
Standard	PN-EN 60947-1; PN-EN 60947-7-1	IEC 60998-2-1
Collective packaging		

# 4.1

## BRANCH TERMINALS

4-block

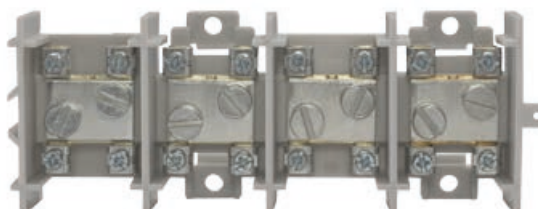


	LZ4*35/16 wyk.11 (Version without cover)	LZ4*35/16 wyk.11P (Version with cover)	LZ4*35/16 wyk.21 (Version without cover)	LZ4*35/16 wyk.21P (Version with cover)
	<b>35 mm<sup>2</sup>/4x16 mm<sup>2</sup></b>		<b>35 mm<sup>2</sup>/4x16 mm<sup>2</sup></b>	
Colour   Cat. number				
Grey ○	84 172 002		84 173 002	
Grey ○	84 174 002 (version with cover)		84 175 002 (version with cover)	
Current data				
Rated voltage	450 V		450 V	
Rated current	125 A		125 A	
External dimensions				
Dimensions A / B / C [mm]	50 / 43 / 143		50 / 54 / 143	
Quantity x rated cross-section				
Solid wire	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 wire	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 substrate		to the TS 35 rail	
Weight	361 g without cover / 428 g with cover		373 g without cover / 441 g with cover	
Standard	IEC 60998-2-1		IEC 60998-2-1	
Collective packaging				



	LZ4*25/6 (Version without cover)	LZ4*25/6P (Version with cover)	LZ4*70/16
	<b>25 mm<sup>2</sup>/4x6 mm<sup>2</sup></b>		<b>70 mm<sup>2</sup>/4x16 mm<sup>2</sup></b>
Colour   Cat. number			
Grey ○	84 106 002		_____
Grey ○	84 171 002 (version with cover)		_____
Black ●	_____		84 056 007
Current data			
Rated voltage	450 V		690 V
Rated current	101 A		192 A
External dimensions			
Dimensions A / B / C [mm]	55 / 35 / 149 55 / 38 / 149 with cover		80 / 49 / 230
Quantity x rated cross-section			
Solid wire	1 x (4 ... 25 mm <sup>2</sup> ); 4 x (1,5 ... 6 mm <sup>2</sup> )		1 x (16 ... 70 mm <sup>2</sup> ); 4 x (2,5 ... 16 mm <sup>2</sup> )
Stranded wire	1 x (4 ... 16 mm <sup>2</sup> ); 4 x (1,5 ... 4 mm <sup>2</sup> )		1 x (16 ... 50 mm <sup>2</sup> ); 4 x (2,5 ... 10 mm <sup>2</sup> )
Mounting	to the substrate and to the TS35 rail		to the substrate and to the TS35 rail
Weight	236 g without cover / 271 g with cover		686 g
Standard	IEC 60998-2-1		IEC 60998-2-1
Collective packaging			

Note: Branch terminal blocks of LZ series are characterised by the possibility of pass-through installation of the main wire. This means the wire can be mounted in every branching pole (without cutting it) with the use of pressing plate to the current circuit. Similarly as in LZ1\*70/16 terminal block, we can mount the wire under the crease in the central part of the plate with a cross-section up to 70 mm<sup>2</sup>.

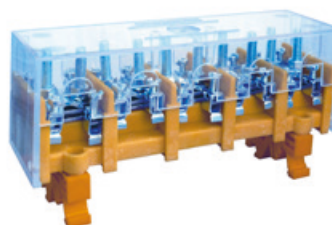




	LZ5*25/10 wyk.11 (Version without cover)	LZ5*25/10 wyk.11P (Version with cover)	LZ5*25/10 wyk.12 (Version without cover)	LZ5*25/10 wyk.12P (Version with cover)
	<b>25 mm<sup>2</sup>/4x10 mm<sup>2</sup></b>		<b>2x25 mm<sup>2</sup>/4x10 mm<sup>2</sup></b>	
Colour   Cat. number	84 107 004		84 084 004	
Yellow ●	84 061 004 (version with cover)		84 167 004 (version with cover)	
Current data	450 V		450 V	
Rated voltage	101 A		101 A	
Rated current	47 / 37 / 148		47 / 51 / 148	
External dimensions	47 / 56 / 148 with cover		47 / 56 / 148 with cover	
Dimensions A / B / C [mm]	1 x (6 ... 25 mm <sup>2</sup> ); 4 x (0,75 ... 10 mm <sup>2</sup> )		1 x (6 ... 25 mm <sup>2</sup> ); 4 x (0,75 ... 10 mm <sup>2</sup> )	
Quantity x rated cross-section	1 x (6 ... 16 mm <sup>2</sup> ); 4 x (0,75 ... 6 mm <sup>2</sup> )		1 x (6 ... 16 mm <sup>2</sup> ); 4 x (0,75 ... 6 mm <sup>2</sup> )	
Solid wire	to the substrate		to the substrate	
Stranded wire	270 g without cover / 309 g with cover		316 g without cover / 355 g with cover	
Mounting	PN-EN 60947-1; PN-EN 60947-7-1; PN-EN 50581		PN-EN 60947-1; PN-EN 60947-7-1; PN-EN 50581	
Weight				
Standard				
Collective packaging				



	LZ5*25/10 wyk.21 (Version without cover)	LZ5*25/10 wyk.21P (Version with cover)	LZ5*25/10 wyk.22 (Version without cover)	LZ5*25/10 wyk.22P (Version with cover)
	<b>25 mm<sup>2</sup>/4x10 mm<sup>2</sup></b>		<b>2x25 mm<sup>2</sup>/4x10 mm<sup>2</sup></b>	
Colour   Cat. number	84 108 004		84 050 004	
Yellow ●	84 062 004 (version with cover)		84 095 004 (version with cover)	
Current data	450 V		450 V	
Rated voltage	101 A		101 A	
Rated current	47 / 61 / 148		47 / 76 / 148	
External dimensions	47 / 80 / 148 with cover		47 / 80 / 148 with cover	
Dimensions A / B / C [mm]	1 x (6 ... 25 mm <sup>2</sup> ); 4 x (0,75 ... 10 mm <sup>2</sup> )		1 x (6 ... 25 mm <sup>2</sup> ); 4 x (0,75 ... 10 mm <sup>2</sup> )	
Quantity x rated cross-section	1 x (6 ... 16 mm <sup>2</sup> ); 4 x (0,75 ... 6 mm <sup>2</sup> )		1 x (6 ... 16 mm <sup>2</sup> ); 4 x (0,75 ... 6 mm <sup>2</sup> )	
Solid wire	do szyny TS 35		do szyny TS 35	
Stranded wire	286 g without cover / 325 g with cover		331 g without cover / 370 g with cover	
Mounting	PN-EN 60947-1; PN-EN 60947-7-1; PN-EN 50581		PN-EN 60947-1; PN-EN 60947-7-1; PN-EN 50581	
Weight				
Standard				
Collective packaging				



# 4.1

## BRANCH TERMINALS

5-block



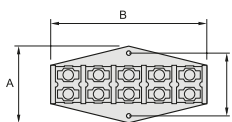
	LZ5*35/16 wyk.11 (Version without cover)	LZ5*35/16 wyk.11P (Version with cover)	LZ5*35/16 wyk.12 (Version without cover)	LZ5*35/16 wyk.12P (Version with cover)
	<b>35 mm<sup>2</sup>/4x16 mm<sup>2</sup></b>		<b>5x(35 mm<sup>2</sup>/4x16 mm<sup>2</sup>)</b>	
Colour   Cat. number	Grey ● 84 025 002		Grey ● 84 026 002	
	Grey ● 84 034 002 (version with cover)		Grey ● 84 036 002 (version with cover)	
Current data	Rated voltage 450 V Rated current 125 A		Rated voltage 450 V Rated current 125 A	
External dimensions	Dimensions A / B / C [mm] 49 / 43 / 174 49 / 61 / 174 with cover		Dimensions A / B / C [mm] 49 / 53 / 174 49 / 61 / 174 with cover	
Quantity x rated cross-section	Solid wire 1 x (6 ... 35 mm <sup>2</sup> ); 4 x (2,5 ... 16 mm <sup>2</sup> ) Stranded wire 1 x (6 ... 25 mm <sup>2</sup> ); 4 x (2,5 ... 10 mm <sup>2</sup> )		Solid wire 2 x (6 ... 35 mm <sup>2</sup> ); 4 x (2,5 ... 16 mm <sup>2</sup> ) Stranded wire 2 x (6 ... 25 mm <sup>2</sup> ); 4 x (2,5 ... 10 mm <sup>2</sup> )	
Mounting	to the substrate		to the substrate	
Weight	456 g without cover / 502 g with cover		513 g without cover / 575 g with cover	
Standard	IEC 60998-2-1		IEC 60998-2-1	
Collective packaging				



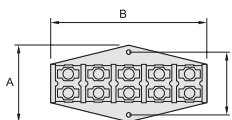
	LZ5*35/16 wyk.21 (Version without cover)	LZ5*35/16 wyk.21P (Version with cover)	LZ5*35/16 wyk.22 (Version without cover)	LZ5*35/16 wyk.22P (Version with cover)
	<b>35 mm<sup>2</sup>/4x16 mm<sup>2</sup></b>		<b>2x35 mm<sup>2</sup>/4x16 mm<sup>2</sup></b>	
Colour   Cat. number	Grey ● 84 027 002		Grey ● 84 028 002	
	Grey ● 84 035 002 (version with cover)		Grey ● 84 037 002 (version with cover)	
Current data	Rated voltage 450 V Rated current 125 A		Rated voltage 450 V Rated current 125 A	
External dimensions	Dimensions A / B / C [mm] 49 / 69 / 174 49 / 86 / 174 with cover		Dimensions A / B / C [mm] 49 / 79 / 174 49 / 86 / 174 with cover	
Quantity x rated cross-section	Solid wire 1 x (6 ... 35 mm <sup>2</sup> ); 4 x (2,5 ... 16 mm <sup>2</sup> ) Stranded wire 1 x (6 ... 25 mm <sup>2</sup> ); 4 x (2,5 ... 10 mm <sup>2</sup> )		Solid wire 2 x (6 ... 35 mm <sup>2</sup> ); 4 x (2,5 ... 16 mm <sup>2</sup> ) Stranded wire 2 x (6 ... 25 mm <sup>2</sup> ); 4 x (2,5 ... 10 mm <sup>2</sup> )	
Mounting	to the substrate		to the substrate	
Weight	482 g without cover / 531 g with cover		532 g without cover / 594 g with cover	
Standard	IEC 60998-2-1		IEC 60998-2-1	
Collective packaging				

Note: Branch terminal blocks of LZ series are characterised by the possibility of pass-through installation of the main wire. This means the wire can be mounted in every branching pole (without cutting it) with the use of pressing plate to the current circuit.



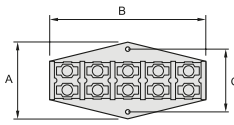


	ZPT4-2.5	ZPT4-4.0
	<b>4x(4x2,5 mm<sup>2</sup>)</b>	<b>4x(4x4 mm<sup>2</sup>)</b>
Colour   Cat. number		
Black ●	83 001 007	83 003 007
Number of poles	4	4
Number of wires / Cross-section	4x2,5 mm <sup>2</sup>	4x4 mm <sup>2</sup>
Current data		
Rated voltage	450 V	400 V
Rated current	10 A	24 A
External dimensions		
A / B / C / D [mm]	42 / 43 / 39 / 19	56 / 52 / 39 / 21
Weight	20 g	30 g
Standard	PN-EN 60998-1	PN-EN 60998-1
Collective packaging		

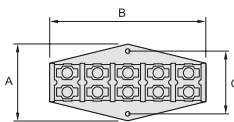


	ZPT4-10.0	ZPT4-16.0	ZPT4-35.0
	<b>4x(4x10 mm<sup>2</sup>)</b>	<b>4x(4x16 mm<sup>2</sup>)</b>	<b>4x(2x35 mm<sup>2</sup>)</b>
Colour   Cat. number			
Black ●	83 005 007	83 007 007	83 009 007
Number of poles	4	4	4
Number of wires / Cross-section	4x10 mm <sup>2</sup>	4x16mm <sup>2</sup>	2x35 mm <sup>2</sup>
Current data			
Rated voltage	400 V	400 V	500 V
Rated current	40 A	55 A	85 A
External dimensions			
A / B / C / D [mm]	56 / 72 / 44 / 21	65 / 102 / 63 / 22	58 / 116 / 55 / 34
Weight	70 g	120 g	200 g
Standard	PN-EN 60998-1	PN-EN 60947-1; PN-EN 50581	PN-EN 60998-1
Collective packaging			

Note: Possibility of installation in the pass-through system.



	ZPT5-2.5	ZPT5-4.0
	<b>5x(4x2,5 mm<sup>2</sup>)</b>	<b>5x(4x4 mm<sup>2</sup>)</b>
Colour   Cat. number		
Black ●	83 002 007	83 004 007
Number of poles	5	5
Number of wires / Cross-section	4x2,5 mm <sup>2</sup>	4x4 mm <sup>2</sup>
Current data		
Rated voltage	450 V	400 V
Rated current	10 A	24 A
External dimensions		
A / B / C / D [mm]	42 / 53 / 39 / 19	56 / 69 / 39 / 21
Weight	30 g	30 g
Standard	PN-EN 60947-1; PN-EN 50581	PN-EN 60947-1; PN-EN 50581
Collective packaging		



	ZPT5-10.0	ZPT5-16.0	ZPT5-35.0
	<b>5x(4x10 mm<sup>2</sup>)</b>	<b>5x(4x16 mm<sup>2</sup>)</b>	<b>5x(2x35 mm<sup>2</sup>)</b>
Colour   Cat. number			
Black ●	83 006 007	83 008 007	83 010 007
Number of poles	5	5	5
Number of wires / Cross-section	4x10 mm <sup>2</sup>	4x16 mm <sup>2</sup>	2x35 mm <sup>2</sup>
Current data			
Rated voltage	400 V	400 V	500 V
Rated current	40 A	55 A	85 A
External dimensions			
A / B / C / D [mm]	56 / 88 / 44 / 21	73 / 126 / 63 / 22	58 / 140 / 80 / 34
Weight	90 g	150 g	250 g
Standard	PN-EN 60947-1; PN-EN 50581	PN-EN 60998-1	PN-EN 60998-1
Collective packaging			

Note: Possibility of installation in the pass-through system.

# CONNECTOR STRIPS



# 5.1

## CONNECTOR STRIPS

Traditional orange series LTF

PE



LTF12-2.5

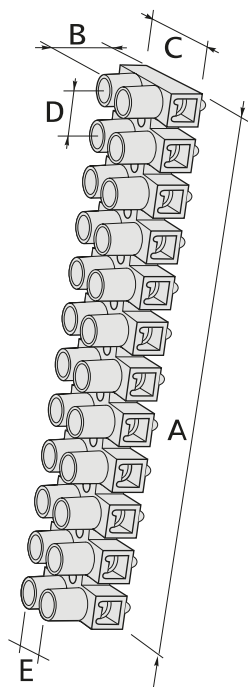
LTF12-4.0

A

24

A

32

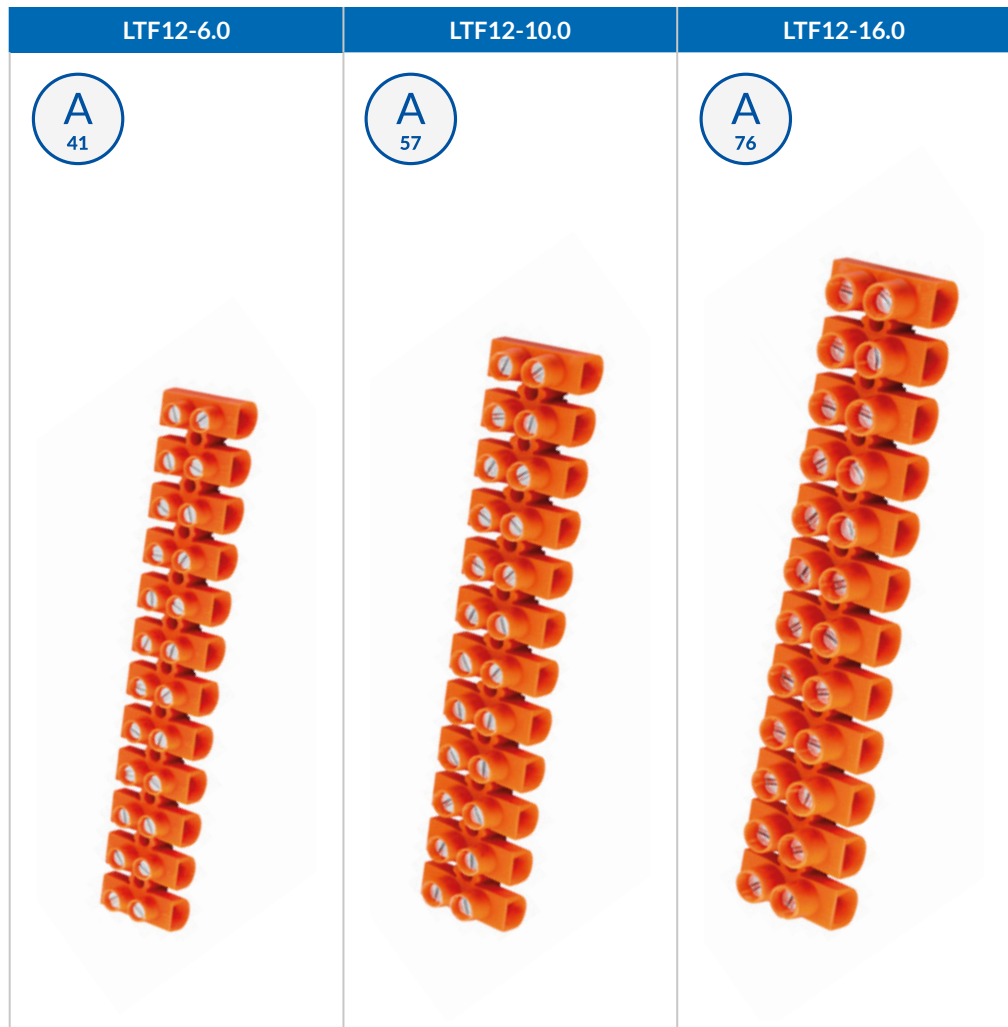
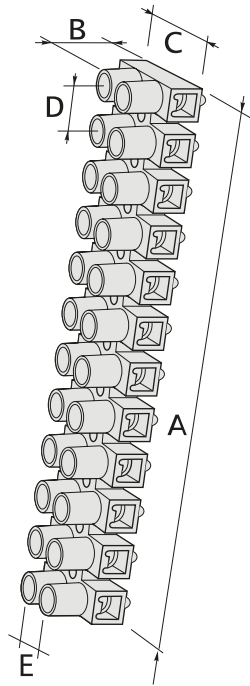


2,5 mm<sup>2</sup>

4 mm<sup>2</sup>

	2,5 mm <sup>2</sup>	4 mm <sup>2</sup>
Colour   Cat. number		
Orange ●	21 210 108	21 310 108
Rated cross-section	2,5	4
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
Current data		
Rated voltage	450 V	450 V
Rated current	24 A	32 A
External dimensions		
A / B / C / D / E [mm]	94 / 13 / 16 / 8 / 6	106 / 14 / 18 / 9 / 7
Stripped wire length	5 mm	6 mm
Set screw - bolt	M3	M3
Mounting to the substrate	M2,5x10	M3x14
Weight	23 g	31 g
Clamp	brass	brass
Standard	PN-EN IEC 60947-1	PN-EN IEC 60947-1
Collective packaging		





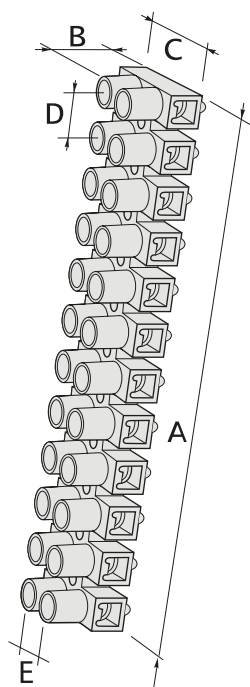
	6 mm <sup>2</sup>	10 mm <sup>2</sup>	16 mm <sup>2</sup>
<b>Colour   Cat. number</b>			
Orange ●	21 412 108	21 512 108	21 612 108
<b>Rated cross-section</b>	6	10	16
<b>Solid wire</b>	2,5 ... 6 mm <sup>2</sup>	4 ... 10 mm <sup>2</sup>	6 ... 16 mm <sup>2</sup>
<b>Stranded wire</b>	1,5 ... 4 mm <sup>2</sup>	2,5 ... 6 mm <sup>2</sup>	4 ... 10 mm <sup>2</sup>
<b>Operating temperature</b>	-25 °C ... +55 °C	-25 °C ... +55 °C	-25 °C ... +55 °C
<b>Body material</b>	polyethylene	polyethylene	polyethylene
<b>Current data</b>			
<b>Rated voltage</b>	450 V	750 V	750 V
<b>Rated current</b>	41 A	57 A	76 A
<b>External dimensions</b>			
<b>A / B / C / D / E [mm]</b>	118 / 15 / 19 / 9 / 7	141 / 20 / 25 / 12 / 9	153 / 22 / 27 / 13 / 10
<b>Stripped wire length</b>	6 mm	8 mm	8,5 mm
<b>Set screw - bolt</b>	M3	M4	M5
<b>Mounting to the substrate</b>	M3x14	M4x18	M4x18
<b>Weight</b>	33 g	69 g	95 g
<b>Clamp</b>	brass	brass	brass
<b>Standard</b>	PN-EN IEC 60947-1	PN-EN IEC 60947-1	PN-EN IEC 60947-1
<b>Collective packaging</b>	100	25	50

# 5.2

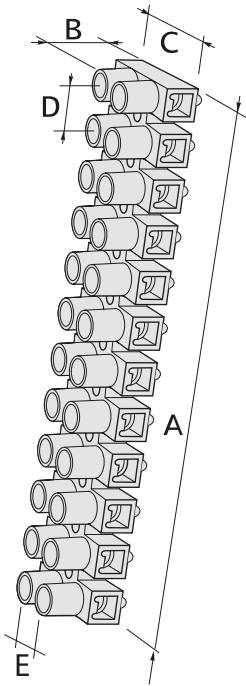
## CONNECTOR STRIPS




Standard series LTA

PA 6



	LTA12-2.5	LTA12-4.0	LTA12-6.0
	<b>2,5 mm<sup>2</sup></b>	<b>4 mm<sup>2</sup></b>	<b>6 mm<sup>2</sup></b>
<b>Colour   Cat. number</b>			
White ○	22 210 216	22 310 216	22 412 216
Black ●	22 210 217	22 310 217	22 412 217
<b>Rated cross-section</b>	2,5	4	6
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 PA 6	halogen-free polyamide PA 6	halogen-free polyamide PA 6
<b>Current data</b>			
Rated voltage	400 V	400 V	400 V
Rated current	24 A	32 A	41 A
<b>External dimensions</b>			
A / B / C / D / E [mm]	90 / 13,4 / 16 / 8 / 6	106 / 16,8 / 18 / 9 / 7	117,7 / 17,2 / 19 / 10 / 7
<b>Stripped wire length</b>	5 mm	6 mm	6 mm
<b>Set screw - bolt</b>	M3	M3	M3
<b>Mounting to the substrate</b>	M2,5x10	M3x14	M3x14
<b>Weight</b>	22,7 g	32,4 g	39,9 g
<b>Clamp</b>	galvanised brass	galvanised brass	galvanised brass
<b>Standard</b>	PN-EN 60998-2-1 PN-EN 60998-1	PN-EN 60998-2-1 PN-EN 60998-1	PN-EN 60998-2-1 PN-EN 60998-1
<b>Collective packaging</b>			



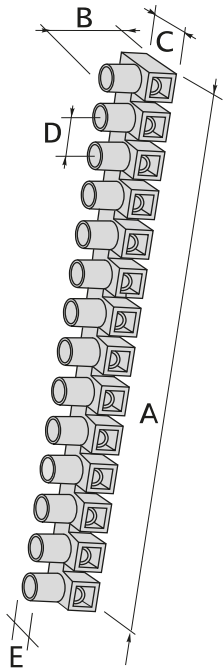
	10 mm <sup>2</sup>	16 mm <sup>2</sup>	35 mm <sup>2</sup>
<b>Colour   Cat. number</b>			
White ○	22 512 216	22 612 216	—
Black ●	22 512 217	22 612 217	89 150 007
<b>Rated cross-section</b>	10	16	35
<b>Solid wire</b>	10 mm <sup>2</sup>	16 mm <sup>2</sup>	16 ... 35 mm <sup>2</sup>
<b>Stranded wire</b>	6 mm <sup>2</sup>	10 mm <sup>2</sup>	16 ... 35 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 PA 6	halogen-free polyamide PA 6	polypropylene
<b>Current data</b>			
<b>Rated voltage</b>	400 V	400 V	750 V
<b>Rated current</b>	57 A	76 A	
<b>External dimensions</b>			
<b>A / B / C / D / E [mm]</b>	141 / 21 / 21 / 12 / 10	153 / 22 / 22 / 13 / 10	211 / 29,6 / 36,4 / 18 / 15
<b>Stripped wire length</b>	8 mm	8,5 mm	12 mm
<b>Set screw - bolt</b>	M4	M5	M5
<b>Mounting to the substrate</b>	M3x14	M4x18	M4
<b>Weight</b>	66,6 g	94,1 g	208 g
<b>Clamp</b>	galvanised brass	galvanised brass	brass
<b>Standard</b>	PN-EN 60998-2-1 PN-EN 60998-1	PN-EN 60998-2-1 PN-EN 60998-1	PN-EN 60998-2-1 PN-EN 60998-1
<b>Collective packaging</b>			

# 5.3

## CONNECTOR STRIPS

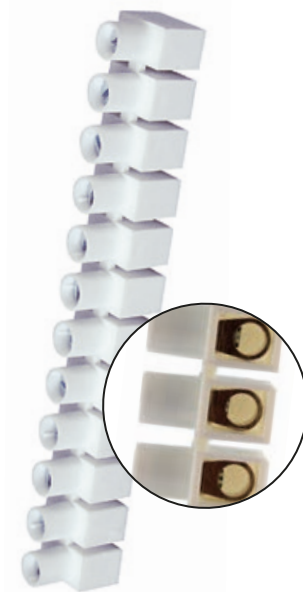
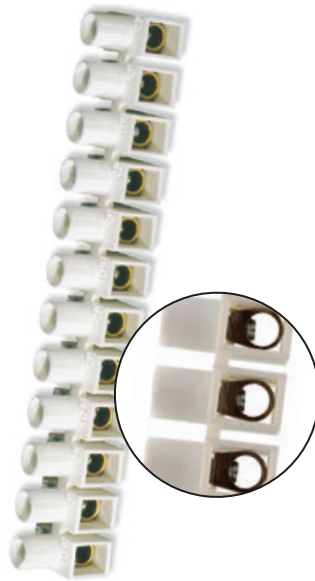
Series with a pad LTA

PA 6



LTA12-4.0A

LTA12-4.0B



pass-through **2x4 mm<sup>2</sup>**

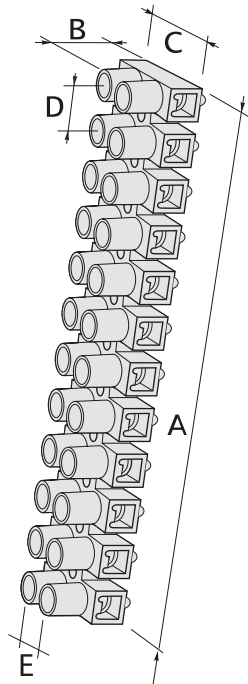
one side closed **2x4 mm<sup>2</sup>**

Colour   Cat. number		
White ○	22 522 216	22 316 216
Rated cross-section	4	4
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	flame retardant polyamide PA 6	flame retardant polyamide PA 6
Current data		
Rated voltage	400 V	400 V
Rated current	32 A	32 A
External dimensions		
A / B / C / D / E [mm]	118 / 18 / 14,5 / 10 / -	118 / 18 / 14,5 / 10 / -
Set screw - bolt	6 mm	6 mm
Mounting to the substrate	M4	M4
Weight	37,7 g	43,0 g
Clamp	galvanised brass	galvanised brass
Additional information	pass-through with 1 screw / current circuit	pass-through with 1 screw / current circuit
Standard	PN-EN 60998-2-1 PN-EN 60998-1	PN-EN 60998-2-1 PN-EN 60998-1
Collective packaging		





PA 66



	LPA12-1,5	LPA12-2,5

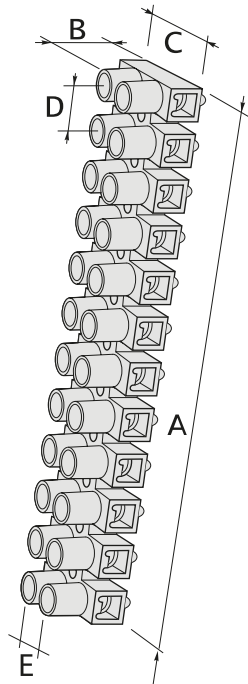
	1,5 mm <sup>2</sup>	2,5 mm <sup>2</sup>
Colour   Cat. number		
Transparent <input type="radio"/>	89 091 110	89 092 110
Rated cross-section	1,5	2,5
Solid wire	0,75 ... 1,5 mm <sup>2</sup>	1 ... 2,5 mm <sup>2</sup>
Stranded wire	1,5 mm <sup>2</sup>	2,5 mm <sup>2</sup>
Current data		
Rated voltage	450 V	450 V
Rated current	17,5 A	24 A
Operating temperature	-30 °C ... +110 °C	-30 °C ... +110 °C
Body material	flame retardant polyamide PA 66, self-extinguishing	flame retardant polyamide PA 66
External dimensions		
A / B / C / D / E [mm]	96,2 / 14,5 / 17 / 8,2 / -	117,5 / 16,4 / 20 / 10 / -
Stripped wire length	5 mm	6 mm
Weight	25 g	34,5 g
Additional information	with a steel pad that protects the wire	with a steel pad that protects the wire
Standard	PN-EN 60998-1 PN-EN 60998-2-1	PN-EN 60998-1 PN-EN 60998-2-1
Collective packaging		

# 5.3

## CONNECTOR STRIPS

Series with a pad LPA

PA 66



LPA12-4.0

LPA12-6.0

A  
32

A  
41



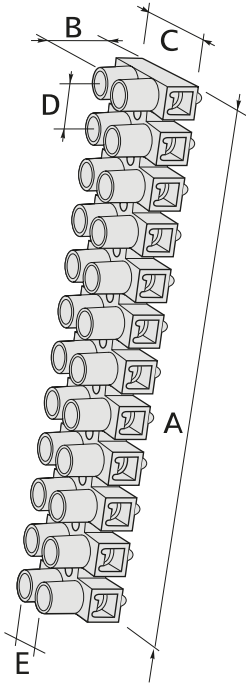
	4 mm <sup>2</sup>	6 mm <sup>2</sup>
Colour   Cat. number		
Transparent ○	89 089 110	89 093 110
Rated cross-section	4	6
Solid wire	1 ... 4 mm <sup>2</sup>	2,5 ... 6 mm <sup>2</sup>
Stranded wire	4 mm <sup>2</sup>	6 mm <sup>2</sup>
Current data		
Rated voltage	450 V	450 V
Rated current	32 A	41 A
Operating temperature	-30 °C ... +110 °C	-30 °C ... +110 °C
Body material	flame retardant polyamide PA 66	flame retardant polyamide PA 66
External dimensions		
A / B / C / D / E [mm]	116,8 / 16,7 / 19,2 / 10 / -	140,7 / 19 / 23,8 / 12 / -
Stripped wire length	7 mm	7 mm
Weight	48 g	54,8 g
Additional information	with a steel pad that protects the wire	with a steel pad that protects the wire
Standard	PN-EN 60998	PN-EN 60998-1 PN-EN 60998-2-1
Collective packaging		

PA 66



LPA12-10.0

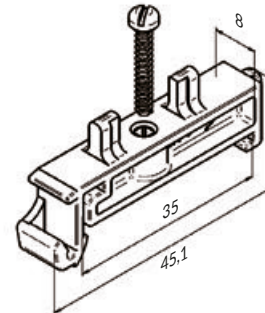
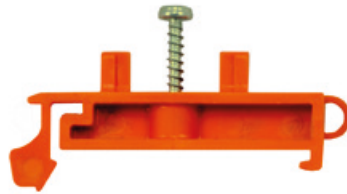
A  
57



10 mm<sup>2</sup>

Colour   Cat. number	
Transparent ○	89 094 110
Rated cross-section	10
Solid wire	4 ... 10 mm <sup>2</sup>
Stranded wire	10 mm <sup>2</sup>
Current data	
Rated voltage	450 V
Rated current	57 A
Operating temperature	-30 °C ... +110 °C
Body material	flame retardant polyamide PA 66
External dimensions	
A / B / C / D / E [mm]	158 / 25,2 / 25,6 / 13,5 / -
Stripped wire length	9 mm
Weight	90,4 g
Additional information	with a steel pad that protects the wire
Standard	PN-EN 60998-1 PN-EN 60998-2-1
Collective packaging	

LTT 1



Colour | Cat. number

Orange ●

26 210 008

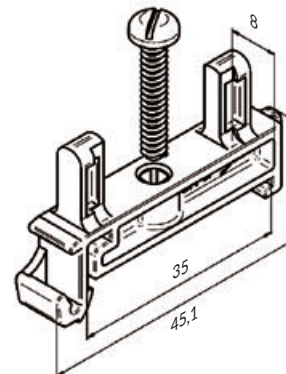
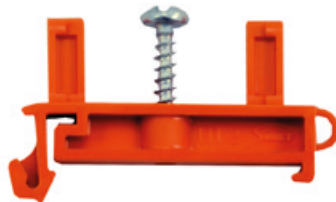
Intended use  
(terminal block symbol)

This holder enables the mounting of connector strips of extra orange series: LTF12-2.5; LTF12-4; LTF12-6 on a TS35 rail

Collective packaging



LTT 2



Colour | Cat. number

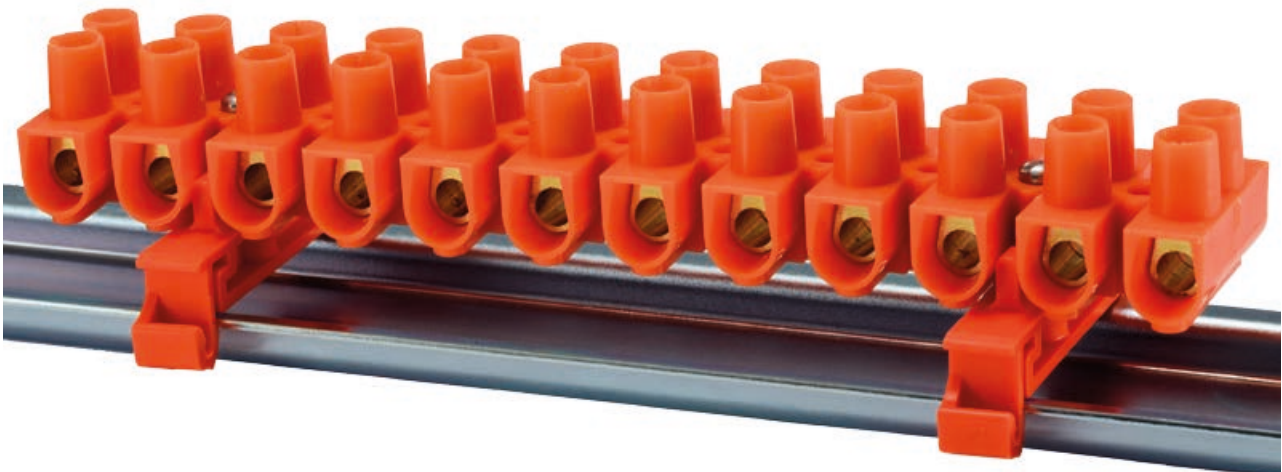
Orange ●

26 512 008

Intended use  
(terminal block symbol)

This holder enables the mounting of connector strips of extra orange series: LTF12-10; LTF12-16; LTF12-25 on a TS35 rail

Collective packaging



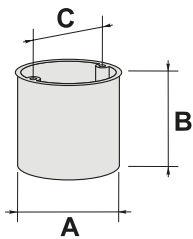


# JUNCTION BOXES

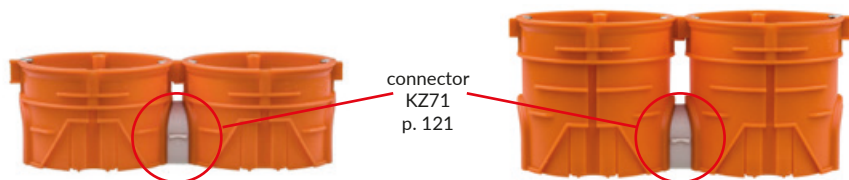
# 6.1.1

## FLUSH-MOUNTED JUNCTION BOXES standard

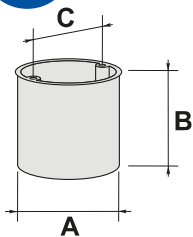
PP



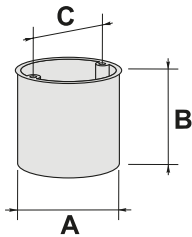
	ZZ60Kfw	ZZ60DFw
		
	shallow, combined with screws <b>60 mm</b>	deep, combined with screws <b>60 mm</b>
Colour   Cat. number		
Orange ●	33 263 008	33 267 008
External dimensions		
A / B / C [mm]	66,5 / 41,8 / 60	66,5 / 63 / 60
Weight	16,3 g	21 g
Material properties	resistance to heat 650 °C	resistance to heat 650 °C
Additional features	this flush mounted junction box includes a possibility to create standard frame sets with a spacing of 71 mm, additional features connector KZ71 should be used in order to combine boxes in a series, knockout for the connector has a diameter of 25mm, two screws for fittings are included	
Accessories	connector KZ71, extension rings PD60x12; PD60x24; PD60x30, cover PL60; WS60, signalling cover PS60, screws W16; W25; W40	connector KZ71, extension rings PD60x12; PD60x24; PD60x30, cover PL60; WS60, signalling cover PS60, screws W16; W25; W40
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		



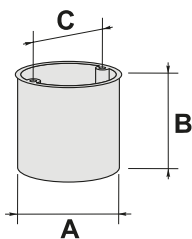
PP



	Z60KF	Z60KFw
		
	shallow <b>60 mm</b>	shallow, with screws <b>60 mm</b>
Colour   Cat. number		
Orange ●	33 048 008	33 049 008
External dimensions		
A / B / C [mm]	63 / 41 / 60	63 / 41 / 60
Weight	12,8 g	13,1 g
Material properties	resistance to heat 650 °C	resistance to heat 650 °C
Additional features	4 knockouts for pipes ø 20 mm in side walls, spacing for mounting fittings - 60 mm (C)	4 knockouts for pipes ø 20 mm in side walls, spacing for mounting fittings - 60 mm (C), 2 screws for mounting fittings are included
Accessories	extension rings PD60x12; PD60x24; PD60x30, cover PL60, WS60, signalling cover PS60, screws W16; W25; W40	extension rings PD60x12; PD60x24; PD60x30, cover PL60, WS60, signalling cover PS60, screws W16; W25; W40
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		



	Z60D	Z60Dw	Z60Kw
	deep 60 mm	deep, with screws 60 mm	shallow, with screws 60 mm
Colour   Cat. number			
Blue ●	34 033 203	34 035 203	34 049 203
External dimensions			
A / B / C [mm]	63 / 61 / 60	63 / 61 / 60	63 / 41 / 60
Weight	21,4 g	22,7 g	11,8 g
Material properties	self-extinguishing, halogen-free, resistance to heat 850 °C	self-extinguishing, halogen-free, resistance to heat 850 °C	self-extinguishing, halogen-free, resistance to heat 850 °C
Additional features	6 knockouts for pipes ø 20 mm in side walls, 1 knockout for pipe ø 20 mm in the bottom, spacing for mounting fittings - 60 mm (C), axis distance for drilling holes for the box - 71 mm	6 knockouts for pipes ø 20 mm in side walls, 1 knockout for pipe ø 20 mm in the bottom, spacing for mounting fittings - 60 mm (C), axis distance for drilling holes for the box - 71 mm, 2 screws for mounting fittings are included	4 knockouts for pipes ø 20 mm in side walls, spacing for mounting fittings - 60 mm (C), 2 screws for mounting fittings are included
Accessories	signalling cover PS60, protective cover WS60, PL60, extension rings PD 60x12; PD 60x24; PD60x30, screws W16; W25; W40	signalling cover PS60, protective cover WS60, PL60, extension rings PD 60x12; PD 60x24; PD60x30, screws W16; W25; W40	signalling cover PS60, protective cover WS60, PL60, extension rings PD 60x12; PD 60x24; PD60x30, screws W16; W25; W40
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging			



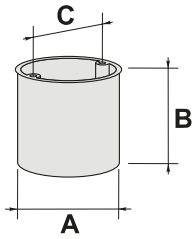
	Z60DF	Z60DFw
	deep 60 mm	deep, with screws 60 mm
Colour   Cat. number		
Orange ●	33 033 008	33 035 008
External dimensions		
A / B / C [mm]	63 / 61 / 60	63 / 61 / 60
Weight	21,4 g	20 g
Material properties	resistance to heat 650 °C	resistance to heat 650 °C
Additional features	6 knockouts for pipes ø 20 mm in side walls, 1 knockout for pipe ø 20 mm in the bottom, spacing for mounting fittings - 60 mm (C), axis distance for drilling holes for the box - 71 mm	6 knockouts for pipes ø 20 mm in side walls, 1 knockout for pipe ø 20 mm in the bottom, spacing for mounting fittings - 60 mm (C), axis distance for drilling holes for the box - 71 mm, 2 screws for mounting fittings are included
Accessories	extension rings PD60x12; PD60x24; PD60x30, cover PL60, WS60, screws W16; W25; W40	extension rings PD60x12; PD60x24; PD60x30, cover PL60, WS60, screws W16; W25; W40
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		



# 6.1.1

## FLUSH-MOUNTED JUNCTION BOXES standard

PP



S60K



S60Kw

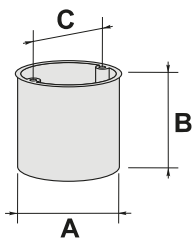


shallow, serial **60 mm**

shallow, serial with screws **60 mm**

Colour   Cat. number	Blue ●	34 054 203	34 068 203
External dimensions	A / B / C [mm]	65 / 41 / 60	65 / 41 / 60
Weight		18,3 g	19,6 g
Material properties		self-extinguishing, halogen-free, resistance to heat 850 °C	self-extinguishing, halogen-free, resistance to heat 850 °C
Additional features		8 knockouts for pipes ø 20 mm in side walls, 1 knockout in the box bottom, spacing for mounting fittings - 60 mm (C), axis distance for drilling holes for the box - 71 mm	8 knockouts for pipes ø 20 mm in side walls, 1 knockout in the box bottom, spacing for mounting fittings - 60 mm (C), axis distance for drilling holes for the box - 71 mm, 2 screws for mounting fittings are included
Accessories		signalling cover PS60, protective cover WS60; PL60, interconnector KD12, extension rings PD60x12; PD60x24; PD60x30, screws W16; W25; W40	signalling cover PS60, protective cover WS60; PL60, interconnector KD12, extension rings PD60x12; PD60x24; PD60x30, screws W16; W25; W40
Standard		PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging			

PP



S60KF



S60KFw

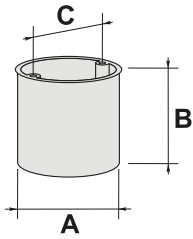






shallow, serial **60 mm**

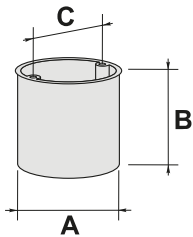
shallow, serial with screws **60 mm**





Colour   Cat. number	Orange ●	33 054 008	33 068 008
External dimensions	A / B / C [mm]	65 / 41 / 60	65 / 41 / 60
Weight		17,7 g	19 g
Material properties		resistance to heat 650 °C	resistance to heat 650 °C
Additional features		8 knockouts for pipes ø 20 mm in side walls, 1 knockout in the box bottom, spacing for mounting fittings - 60 mm (C), axis distance for drilling holes for the box - 71 mm	8 knockouts for pipes ø 20 mm in side walls, 1 knockout in the box bottom, spacing for mounting fittings - 60 mm (C), axis distance for drilling holes for the box - 71 mm, 2 screws for mounting fittings are included
Accessories		interconnector KD12, extension rings PD60x12; PD60x24; PD60x30, cover PL60, signalling cover PS60, screws W16; W25; W40	interconnector KD12, extension rings PD60x12; PD60x24; PD60x30, cover PL60, signalling cover PS60, screws W16; W25; W40
Standard		PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging			





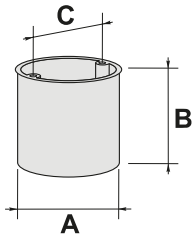
	S60D	S60Dw
		
	deep, serial <b>60 mm</b>	deep, serial with screws <b>60 mm</b>
Colour   Cat. number	Blue ● 34 057 203	Blue ● 34 069 203
External dimensions	A / B / C [mm] 65 / 61 / 60	A / B / C [mm] 65 / 61 / 60
Weight	26,7 g	28 g
Material properties	self-extinguishing, halogen-free, resistance to heat 850 °C	self-extinguishing, halogen-free, resistance to heat 850 °C
Additional features	14 knockouts for pipes ø 20 mm in side walls, 1 knockout for pipe ø 18 mm in the bottom, spacing for mounting fittings - 60 mm (C), axis distance for drilling holes for the box - 71 mm	14 knockouts for pipes ø 20 mm in side walls, 1 knockout for pipe ø 18 mm in the bottom, spacing for mounting fittings - 60 mm (C), axis distance for drilling holes for the box - 71 mm, 2 screws for mounting fittings are included
Accessories	signalling cover PS60, protective cover WS60; PL60; interconnector KD12, extension rings PD60x12; PD60x24, screws W16; W25; W40	signalling cover PS60, protective cover WS60; PL60; interconnector KD12, extension rings PD60x12; PD60x24, screws W16; W25; W40
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		






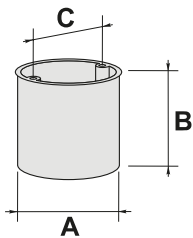
	S60DF	S60DFw
		
	deep, serial <b>60 mm</b>	deep, serial with screws <b>60 mm</b>
Colour   Cat. number	Orange ● 33 057 008	Orange ● 33 069 008
External dimensions	A / B / C [mm] 65 / 61 / 60	A / B / C [mm] 65 / 61 / 60
Weight	21 g	22,3 g
Material properties	resistance to heat 650 °C	resistance to heat 650 °C
Additional features	14 knockouts for pipes ø 20 mm in side walls, spacing for mounting fittings - 60 mm (C), axis distance for drilling holes for the box - 71 mm, new special structure with additional rectangular knockouts and connectors that improve stiffness	14 knockouts for pipes ø 20 mm in side walls, spacing for mounting fittings - 60 mm (C), axis distance for drilling holes for the box - 71 mm, 2 screws for mounting fittings are included, new special structure with additional rectangular knockouts and connectors that improve stiffness
Accessories	interconnector KD12, extension rings PD60x12; PD60x24; PD60x30, cover PL60; signalling cover PS60, screws W16; W25; W40	interconnector KD12, extension rings PD60x12; PD60x24; PD60x30, cover PL60; signalling cover PS60, screws W16; W25; W40
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		

# 6.1.1

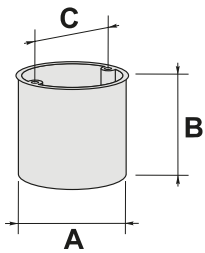
## FLUSH-MOUNTED JUNCTION BOXES standard



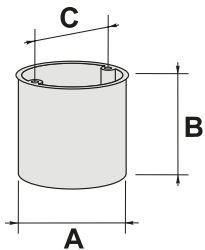
	S60G	S60Gw
		
	extradeep (80 mm) serial <b>60 mm</b>	extradeep (80 mm) serial with screws <b>60 mm</b>
Colour   Cat. number		
Blue ●	34 008 203	34 009 203
External dimensions		
A / B / C [mm]	62 / 81 / 60	62 / 81 / 60
Weight	22 g	23 g
Material properties	self-extinguishing, halogen-free, resistance to heat 850 °C	self-extinguishing, halogen-free, resistance to heat 850 °C
Additional features	this box includes special rectangular knockouts and large surfaces for breaking out, spacing for mounting fittings - 60 mm (C), axis distance for drilling holes for the box - 71 mm	this box includes special rectangular knockouts and large surfaces for breaking out, spacing for mounting fittings - 60 mm (C), axis distance for drilling holes for the box - 71 mm, 2 screws for mounting fittings are included
Accessories	signalling cover PS60, protective cover W60, PL60; interconnector KD 12, extension rings PD60x12; PD60x24; PD60x30, screws W16; W25; W40	signalling cover PS60, protective cover W60, PL60; interconnector KD 12, extension rings PD60x12; PD60x24; PD60x30, screws W16; W25; W40
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		



	S60GF	S60GFw
		
	extradeep (80 mm) serial <b>60 mm</b>	extradeep (80 mm) serial with screws <b>60 mm</b>
Colour   Cat. number		
Orange ●	33 008 008	33 009 008
External dimensions		
A / B / C [mm]	62 / 81 / 60	62 / 81 / 60
Weight	22 g	23 g
Material properties	resistance to heat 650 °C	resistance to heat 650 °C
Additional features	this box includes special rectangular knockouts and large surfaces for breaking out, spacing for mounting fittings - 60 mm (C), axis distance for drilling holes for the box - 71 mm	this box includes special rectangular knockouts and large surfaces for breaking out, spacing for mounting fittings - 60 mm (C), axis distance for drilling holes for the box - 71 mm, 2 screws for mounting fittings are included
Accessories	signalling cover PS60, protective cover WS60, PL60; interconnector KD12, extension rings PD60x12; PD60x24; PD60x30, screws W16; W25; W40	signalling cover PS60, protective cover WS60, PL60; interconnector KD12, extension rings PD60x12; PD60x24; PD60x30, screws W16; W25; W40
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		



	Z70K	Z80K
	with cover <b>70 mm</b>	with cover <b>80 mm</b>
Colour   Cat. number	Blue ● <b>34 036 203</b>	<b>34 073 203</b>
External dimensions		
A / B / C [mm]	78 / 48,5 / 70	88 / 48,5 / 80
Weight	32 g	37 g
Material properties	self-extinguishing, halogen-free, resistance to heat 850 °C	self-extinguishing, halogen-free, resistance to heat 850 °C
Additional features	6 knockouts for pipes ø 20 mm in side walls 2 knockouts for pipes ø 20 mm in the bottom axis distance for drilling holes for the box - 81 mm protective cover is included	6 knockouts for pipes ø 20 mm in side walls 2 knockouts for pipes ø 20 mm in the bottom axis distance for drilling holes for the box - 92 mm protective cover is included
Accessories	signalling cover E121	
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		



	Z70KF	Z80KF
	with cover <b>70 mm</b>	with cover <b>80 mm</b>
Colour   Cat. number	Orange ● <b>33 036 008</b>	<b>33 073 008</b>
External dimensions		
A / B / C [mm]	78 / 48,5 / 70	88 / 48,5 / 80
Weight	32 g	37 g
Material properties	resistance to heat 650 °C	resistance to heat 650 °C
Additional features	6 knockouts for pipes ø 20 mm in side walls, 2 knockouts for pipes ø 20 mm in the bottom, axis distance for drilling holes for the box - 81 mm, protective cover is included	6 knockouts for pipes ø 20 mm in side walls, 1 knockout for pipe ø 20 mm in the bottom, axis distance for drilling holes for the box - 92 mm, 2 screws for mounting fittings are included
Accessories	signalling cover E121	
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		

# 6.1.2


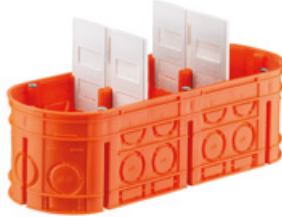


## FLUSH-MOUNTED JUNCTION BOXES

Multiwall multi-pole

# Multiwall

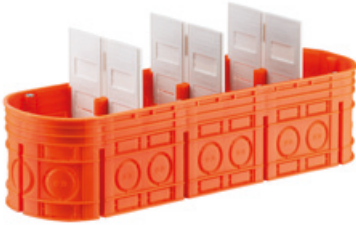
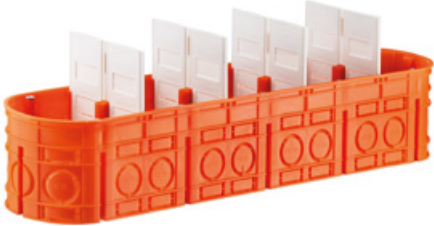


PP



	M2x60F	M3x60F
		
	<b>2-pole 2x60 mm</b>	<b>3-pole 3x60 mm</b>
Colour   Cat. number	Orange ● <b>33 160 008</b>	<b>33 167 008</b>
External dimensions		
A / B / C [mm]	140,8 / 63 / 71	213 / 63 / 71
Weight	55 g	85 g
Material properties	resistance to heat 650 °C	resistance to heat 650 °C
Additional features	spacing for mounting fittings - 60 mm, this box is equipped with 4 screws and 2 removable half-partitions with knockout in the lower part for routing the conductors	spacing for mounting fittings - 60 mm, this box is equipped with 6 screws and 4 removable half-partitions with knockout in the lower part for routing the conductors
Accessories	<p><b>PM1 closing cover</b> (indented for closing outermost - external poles of the box - in the case of using it for installing fittings with enlarged installation space.) The cover is placed on the level of upper box flange - due to that fact it does not protrude above the mounted box.</p> <p><b>PM2 closing cover</b> (intended for closing the central part of the box, in a set with two PM1 covers the entire space of the box can be closed).</p> <p><b>PS1 and PS2 signalling cover</b> (two outermost PS1 covers or/and central PS2 cover close the space of the box for performance of plaster works).</p> <p><b>Extension rings PDM60Z, PDM60W</b> are designed to deepen the multi-pole boxes of Multiwall and Multibox2 series. They are mounted with the use of screws directly to the box body. Extension rings can be shortened by cutting the ribs spaced every 6mm. Similarly like in the case of boxes, the rings can be closed with PM1 and PM2 covers. Moreover, PS1 and PS2 signalling covers can be used during plaster works.</p> <p><b>Screws W16, W25, W40</b></p>	
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		

PP



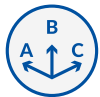
	M4x60F	M5x60F
		
	<b>4-pole 4x60 mm</b>	<b>5-pole 5x60 mm</b>
Colour   Cat. number	Orange ● <b>33 170 008</b>	<b>33 172 008</b>
External dimensions		
A / B / C [mm]	284 / 63 / 71	354 / 63 / 71
Weight	115 g	148 g
Material properties	resistance to heat 650 °C	resistance to heat 650 °C
Additional features	spacing for mounting fittings - 60 mm, this box is equipped with 8 screws and 6 removable half-partitions with knockout in the lower part for routing the conductors; the sidewalls are provided with a number of hidden recesses for the connection of cables or tubes ø 20 mm	spacing for mounting fittings - 60 mm, this box is equipped with 10 screws and 6 removable half-partitions with knockout in the lower part for routing the conductors; the sidewalls are provided with a number of hidden recesses for the connection of cables or tubes ø 20 mm
Accessories	<p><b>PM1 closing cover</b> (indented for closing outermost - external poles of the box - in the case of using it for installing fittings with enlarged installation space.) The cover is placed on the level of upper box flange - due to that fact it does not protrude above the mounted box.</p> <p><b>PM2 closing cover</b> (intended for closing the central part of the box, in a set with two PM1 covers the entire space of the box can be closed).</p> <p><b>PS1 and PS2 signalling cover</b> (two outermost PS1 covers and central PS2 covers close the space of the box for performance of plaster works).</p> <p><b>Extension rings PDM60Z, PDM60W</b> are designed to deepen the multi-pole boxes of Multiwall and Multibox2 series. They are mounted with the use of screws directly to the box body. Extension rings can be shortened by cutting the ribs spaced every 6mm. Similarly like in the case of boxes, the rings can be closed with PM1 and PM2 covers. Moreover, PS1 and PS2 signalling covers can be used during plaster works.</p> <p><b>Screws W16, W25, W40</b></p>	
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		



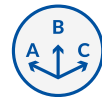
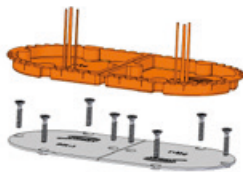
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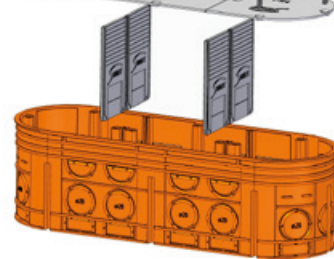
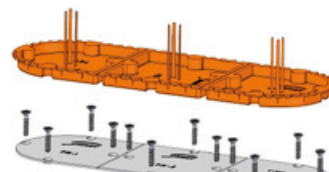
	M6x60F	M6x60FP
	6-pole with a divider <b>6x60 mm</b>	with cover, without a divider <b>6x60 mm</b>
Colour   Cat. number		
Orange ●	33 310 008	33 312 008
External dimensions		
A / B / C [mm]	154,2 / 48 / 212,2	154,2 / 48 / 212,2 (without cover) 171 / 51,6 / 229 (with cover)
Weight	205 g	186 g
Material properties	resistance to heat 650 °C	resistance to heat 650 °C
Additional features	Flush mounted junction box of Multiwall series with 6 poles for mounting electrotechnical fittings. Installation of the fittings is carried out with the use of two 3-pole frames with a 71 mm standard module. Most types of frames are suitable for spacing between the poles.	Large flush mounted box for placement of electrical and electronic elements. This box is equipped with a cover mounted using 4 acid-resistant screws.
Accessories	<p>PM1 closing cover (indented for closing outermost - external poles of the box - in the case of using it for installing fittings with enlarged installation space.) The cover is placed on the level of upper box flange - due to that fact it does not protrude above the mounted box.</p> <p>PM2 closing cover (intended for closing the central part of the box, in a set with two PM1 covers the entire space of the box can be closed).</p> <p>PS1 and PS2 signalling cover (two outermost PS1 covers or/and central PS2 cover close the space of the box for performance of plaster works).</p> <p>Extension rings PDM60Z, PDM60W are designed to deepen the multi-pole boxes of Multiwall and Multibox2 series. They are mounted with the use of screws directly to the box body. Extension rings can be shortened by cutting the ribs spaced every 6mm.</p> <p>Similarly like in the case of boxes, the rings can be closed with PM1 and PM2 covers. Moreover, PS1 and PS2 signalling covers can be used during plaster works.</p> <p>Screws W16, W25, W40</p>	
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		



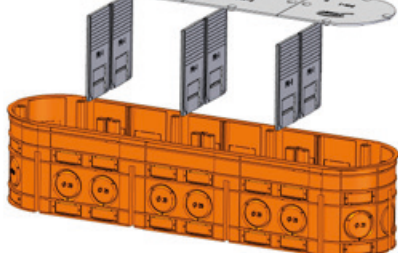
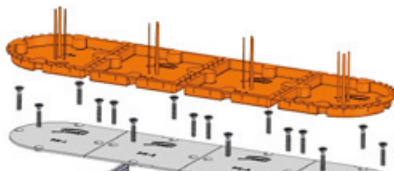
M2x60F  
140,8 / 63 / 71



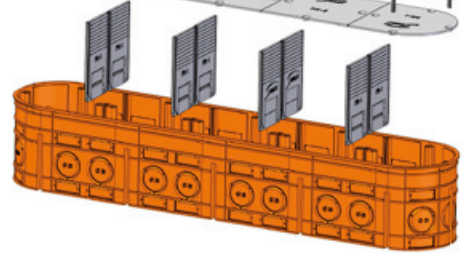
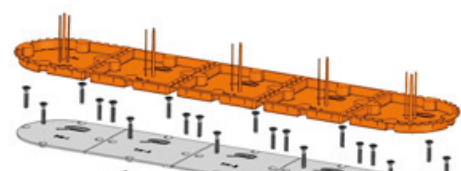
M3x60F  
213 / 63 / 71



M4x60F  
284 / 63 / 71



M5x60F  
354 / 63 / 71



Example of the Multiwall M3x60F's installation in a wall.



1. Determine the horizontal level and central points with the use of marking openings in the bottom of the junction box.



2. Make the openings with the use of a hole saw min.  $\varnothing$  74 mm.



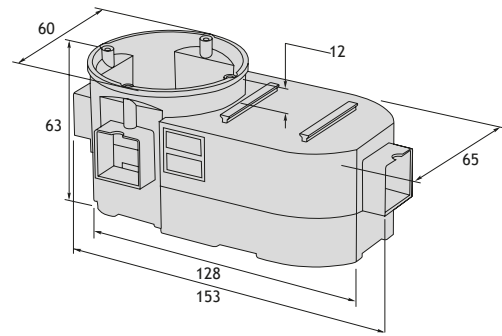
3. Level out the space using a chisel and adapt it to the shape of the junction box.



4. Verify compatibility of the opening with the junction box. Place the junction box in a wall.

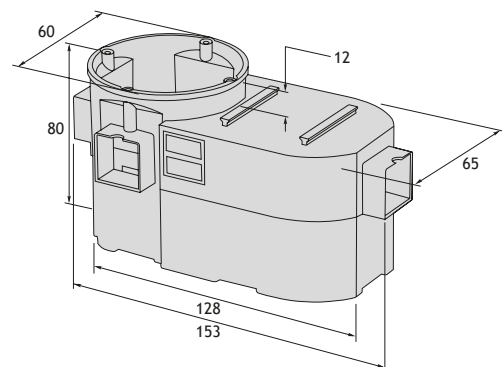


5. Perform the plastering.



	<b>deep, serial for electronics 2x60 mm</b>
Colour   Cat. number	Blue ● <b>34 117 203</b>
Weight	55,9 g
Material properties	self-extinguishing, halogen-free, resistance to heat 960 °C
Additional features	rectangular knockouts in the bottom and in the walls for the flat wires
Accessories	extension ring PD60x12; PD60x24; PD60x30, interconnector KD12; box cover PL60, WS60, signalling cover PS60, screws W16; W25; W40
Standard	PN-EN IEC 60670-1
Collective packaging	

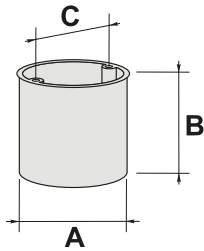
SE2x60 and SE2x60G boxes are adapted for mounting specialised electric and electronic devices. Its specially widened interior makes it possible to place extra elements next to the built-up box flange of a steering element. There is also a possibility to use the entire interior of a box for putting various types of devices in it. In such case, the box is closed with a PL60 cover from the top. The box has a serial structure that provides the possibility of combining it into multiple blocks. It is made of two separate elements that are put together using latches. This enables the possibility to mount larger spacious elements inside the box. LPA12-1,5 terminal block with a pad is recommended for connecting the electronic conductors.



	<b>extradeep, serial for electronics 2x60 mm</b>
Colour   Cat. number	Blue ● <b>34 159 203</b>
Weight	63 g
Material properties	self-extinguishing, halogen-free, resistance to heat 960 °C
Additional features	Rectangular knockouts in the bottom and in the walls for the flat wires
Accessories	extension ring PD60x12; PD60x24; PD60x30, interconnector KD12; box cover PL60, WS60, signalling cover PS60, screws W16; W25; W40
Standard	PN-EN IEC 60670-1
Collective packaging	

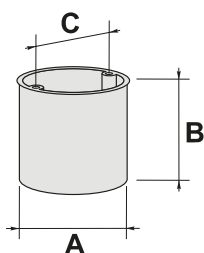
# 6.1.4

## FLUSH-MOUNTED JUNCTION BOXES for wall lights

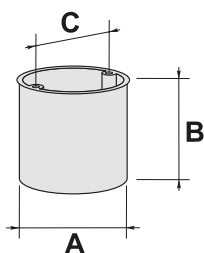
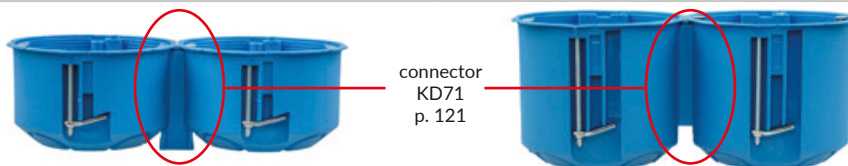


	Z32	Z2x32
		
	for wall lights with cover <b>32 mm</b>	for wall lights with cover <b>2x32 mm</b>
Colour   Cat. number		
Blue ●	34 010 203	34 011 203
External dimensions		
A / B / C [mm]	38 / 44 / 32	38 / 44 / 68
Weight	10 g	16 g
Material properties	self-extinguishing, halogen-free, resistance to heat 960 °C	self-extinguishing, halogen-free, resistance to heat 960 °C
Additional features	boxes adapted to the use of current branching in the walls and installation of electronic sensors, 1 knockout for pipe ø 20 mm, cover is included with the box	boxes adapted to the use of current branching in the walls and installation of electronic sensors, 2 knockouts for pipes ø 20 mm, cover is included with the box
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		





	PV60K	PV60D
		
	shallow, combined <b>60 mm</b>	deep, combined <b>60 mm</b>
Colour   Cat. number	Blue ● <b>32 017 203</b>	Blue ● <b>32 013 203</b>
External dimensions		
A / B / C [mm]	68 / 38,5 / 60	68 / 58,5 / 60
Weight	25,7 g	34,7 g
Material properties	self-extinguishing, halogen-free, resistance to heat 960 °C	self-extinguishing, halogen-free, resistance to heat 960 °C
Additional features	spacing for mounting fittings - 60 mm (C), axis distance for drilling holes for the box - 71 mm, 2 knockouts for pipes ø 20 mm in side walls, 4 knockouts for pipes ø 10 mm in the bottom, 2 screws for mounting fittings are included	spacing for mounting fittings - 60 mm (C), axis distance for drilling holes for the box - 71 mm, 5 knockouts for pipes ø 20 mm, 4 knockouts for pipes ø 10 mm in the bottom, 2 screws for mounting fittings are included
Accessories	cover PL60 (mounted inside - does not protrude above the box flange), connector KD71 (also for connecting the boxes PV60K; PV60D; PV70; PV80), extension ring PD60x30	cover PL60 (mounted inside - does not protrude above the box flange), connector KD71 (also for connecting the boxes PV60K; PV60D; PV70; PV80), extension ring PD60x30
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		



	P60KF	P60DF
		
	shallow <b>60 mm</b>	deep <b>60 mm</b>
Colour   Cat. number	Orange ● <b>31 040 008</b>	Orange ● <b>31 074 008</b>
External dimensions		
A / B / C [mm]	68 / 45,5 / 60	68 / 58,5 / 60
Weight	22,9 g	27,5 g
Material properties	self-extinguishing, resistance to heat 850 °C	self-extinguishing, resistance to heat 850 °C
Additional features	spacing for mounting fittings - 60 mm (C), axis distance for drilling holes for the box - 71 mm 4 knockouts for pipes ø 20 mm, 2 knockouts for pipes ø 10 mm, in side walls, 2 knockouts for pipes ø 16 mm in the bottom, 2 screws for mounting fittings are included	spacing for mounting fittings - 60 mm (C), axis distance for drilling holes for the box - 71 mm, 4 knockouts for pipes ø 20 mm, 2 knockouts for pipes ø 10 mm, in side walls, 2 knockouts for pipes ø 16 mm in the bottom, 2 screws for mounting fittings are included
Accessories	extension ring PD60x30, closing cover WS60, PL60	extension ring PD60x30, closing cover WS60, PL60
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		

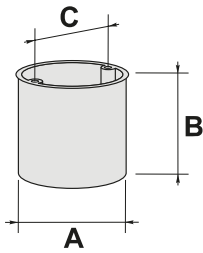
## 6.2.1

### JUNCTION BOXES FOR CAVITY WALLS

standard



PA 6



PV70



PV80

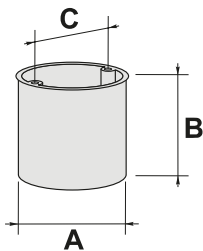


combined, with cover **70 mm**

combined, with cover **80 mm**

Colour   Cat. number		
Blue ●	32 150 203	32 087 203
<b>External dimensions</b>		
A / B / C [mm]	73 / 58,5 / 70	83 / 58,5 / 80
Weight	46,5 g	52,5 g
<b>Material properties</b>	self-extinguishing, halogen-free, resistance to heat 960 °C, <b>acid-resistant screws</b>	self-extinguishing, halogen-free, resistance to heat 960 °C, <b>acid-resistant screws</b>
<b>Additional features</b>	This box is equipped with a cover screwed using 4 acid-resistant screws. PV70 is an innovative universal solution that allows for a wide range of application. It can be used to mount fittings in it. It can be used to create installation branches, and as a place to fix various electronic elements. A tightly screwed cover, entering into the box, is included. As an option, it is possible to buy a connector that allows to create multiple blocks of boxes. A single frame of a standard electrotechnical fittings hides the box flange. In the case of connecting boxes with the use of KD71 connector, it is not possible to use a multiple frames due to different spacing of axes of the connected boxes.	4 knockouts for pipes ø 20. Protective cover screwed with 4 acid-resistant screws is included. Screwed cover enters inside the box at the level of upper flange. Spacing for mounting fittings - 80 mm (C). This box allows for connecting it in sets using connector KD71. Connectors provide the possibility of obtaining box sets for installations e.g. for complex control systems in smart buildings.
<b>Accessories</b>	KD71 - PV series connector	KD71 - PV series connector
<b>Standard</b>	PN-EN IEC 60670-1	PN-EN IEC 60670-1
<b>Collective packaging</b>		

PP



P70F



P80F



with cover **70 mm**

with cover **80 mm**

Colour   Cat. number		
Orange ●	33 242 008	33 244 008
<b>External dimensions</b>		
A / B / C [mm]	73 / 48 / 70	83 / 48 / 80
Weight	36,8 g	39,8 g
<b>Material properties</b>	self-extinguishing, resistance to heat 850 °C, <b>acid-resistant screws</b>	self-extinguishing, resistance to heat 850 °C, <b>acid-resistant screws</b>
<b>Additional features</b>	4 knockouts for pipes ø 20 mm, 2 knockouts for pipes ø 16 mm, spacing for mounting cover 70 mm, protective cover screwed with 4 acid-resistant screws is included, this box includes two special knockouts for routing conductors between two neighbouring boxes using a pipe ø 16 mm	2 knockouts for pipes ø 20 mm, spacing for mounting fittings - 75 mm (C), protective cover screwed with 4 acid-resistant screws is included, this box includes two special knockouts for routing conductors between two neighbouring boxes using a pipe ø 16 mm
<b>Standard</b>	PN-EN IEC 60670-1	PN-EN IEC 60670-1
<b>Collective packaging</b>		



with cover **45x115x115 mm**

Colour   Cat. number	
Blue ●	32 042 203
External dimensions	
A / B / C [mm]	115 / 45 / 115 120 / 45 / 120 with cover
Weight	91 g
Material properties	self-extinguishing, halogen-free, resistance to heat 960 °C, acid-resistant screws
Additional features	8 knockouts for pipes ø 20 mm, 8 knockouts for pipes ø 10 mm, protective cover is included
Standard	PN-EN IEC 60670-1
Collective packaging	

# 6.2.2

## JUNCTION BOXES FOR CAVITY WALLS

Multibox K multi-pole



# MULTIBOX K



	P2x60K	P3x60K
		
	shallow, 2-pole <b>2x60 mm</b>	shallow, 3-pole <b>3x60 mm</b>
Colour   Cat. number		
Blue ●	32 322 203	32 324 203
External dimensions		
A / B / C [mm]	139 / 45 / 68	210 / 45 / 68
Weight	58,3 g	95,6 g
Material properties	self-extinguishing, halogen-free, resistance to heat 960 °C	self-extinguishing, halogen-free, resistance to heat 960 °C
Accessories	PM1; PM2; PKS60, PDM60Z; PDM60W, W16; W25; W40	PM1; PM2; PKS60, PDM60Z; PDM60W, W16; W25; W40
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		



	P4x60K	P5x60K
		
	shallow, 4-pole <b>4x60 mm</b>	shallow, 5-pole <b>5x60 mm</b>
Colour   Cat. number		
Blue ●	32 326 203	32 328 203
External dimensions		
A / B / C [mm]	281 / 45 / 68	352 / 45 / 68
Weight	124,6 g	146,9 g
Material properties	self-extinguishing, halogen-free, resistance to heat 960 °C	self-extinguishing, halogen-free, resistance to heat 960 °C
Accessories	PM1; PM2; PKS60, PDM60Z; PDM60W, W16; W25; W40	PM1; PM2; PKS60, PDM60Z; PDM60W, W16; W25; W40
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		



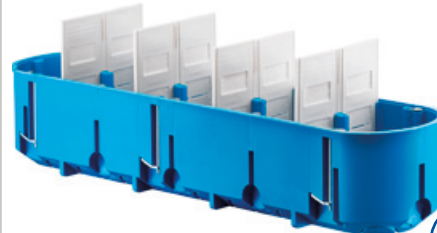
# MULTIBOX 2



deep, 2-pole **2x60 mm**

deep, 3-pole **3x60 mm**

Colour   Cat. number		
Blue ●	32 092 203	32 104 203
External dimensions		
A / B / C [mm]	140 / 63 / 68	210 / 63 / 68
Weight	80 g	129 g
Material properties	self-extinguishing, halogen-free, resistance to heat 960 °C, galvanized screws	self-extinguishing, halogen-free, resistance to heat 960 °C, galvanized screws
Additional features	6 knockouts for pipes ø 20 mm, 2 knockouts for pipes ø 16 mm, 4 screws for fittings are included, spacing for mounting fittings - 60 mm, axis distance for drilling holes for the box - 71 mm	8 knockouts for pipes ø 20 mm, 6 knockouts for pipes ø 16 mm, 6 screws for fittings are included, spacing for mounting fittings - 60 mm, axis distance for drilling holes for the box - 142 mm
Accessories	PM1; PKS60; PDM60Z	PM1; PM2; PKS60; PDM60Z; PDM60W
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		



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

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

Colour   Cat. number		
Blue ●	32 097 203	32 099 203
External dimensions		
A / B / C [mm]	280 / 63 / 68	352 / 63 / 68
Weight	170 g	183,6 g
Material properties	self-extinguishing, halogen-free, resistance to heat 960 °C, galvanized screws	self-extinguishing, halogen-free, resistance to heat 960 °C, galvanized screws
Additional features	10 knockouts for pipes ø 20 mm, 8 knockouts for pipes ø 16 mm, 8 screws for fittings are included, spacing for mounting fittings - 60 mm, axis distance for drilling holes for the box - 213 mm	12 knockouts for pipes ø 20 mm, 12 knockouts for pipes ø 16 mm, 10 screws for fittings are included, spacing for mounting fittings - 60 mm, axis distance for drilling holes for the box - 284 mm
Accessories	PM1; PM2; PKS60; PDM60Z; PDM60W	PM1; PM2; PKS60; PDM60Z; PDM60W
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		

## 6.2.2

### JUNCTION BOXES FOR CAVITY WALLS

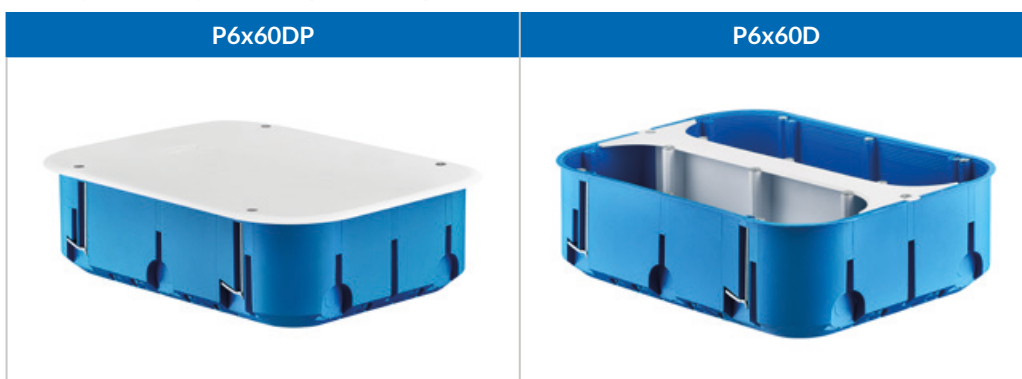
Multibox 2 multi-pole



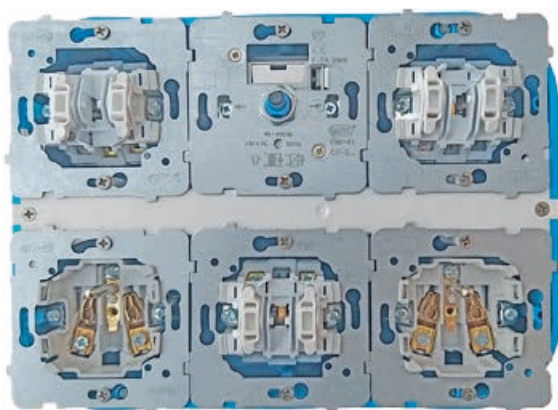
# MULTIBOX 2



montage video



	deep with cover <b>6x60 mm</b>	deep, 6-pole <b>6x60 mm</b>
Colour   Cat. number		
Blue ●	32 178 203	32 174 203
External dimensions		
A / B / C [mm]	157 / 63 / 215 230 / 63 / 171 with cover	215 / 63 / 157
Weight	234,8 g	214 g
Material properties	self-extinguishing, halogen-free, resistance to heat 960 °C	self-extinguishing, halogen-free, resistance to heat 960 °C
Additional features	18 knockouts for pipes ø 20 mm, 4 knockouts for pipes ø 16 mm, cover mounted with the use of 4 acid-resistant screws is included, 4 plasterboard hooks	18 knockouts for pipes ø 20 mm, 4 knockouts for pipes ø 16 mm, 12 screws for fittings are included, 4 plasterboard hooks, built-in partition
Accessories	screws for fittings W16; W25; W40	PM1; PM2; PKS 60; screws for fittings W16; W25; W40
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		



- Structure of the box enables the use of two triple frames of the most major manufacturers (among others: Legrand, Polmark).

- The frames can be mounted one below the other (in a horizontal layout) or one next to the other (in a vertical layout).

- Possibility of using the following elements in one body of the box (for example): IT sockets, TV sockets, speaker sockets, antenna sockets, electric sockets, controllers or dimmers.

# MULTIBOX 2



Example of the Multibox P3x60D's installation in a cavity wall.



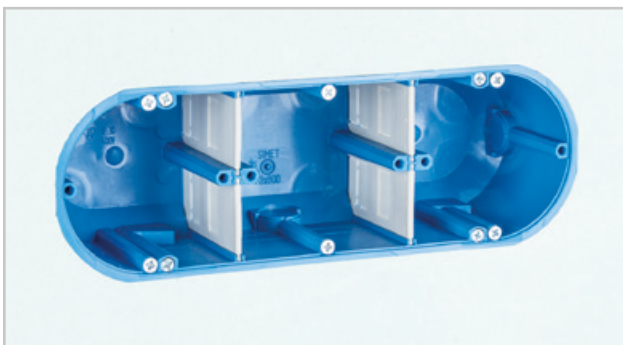
1. Set the level.



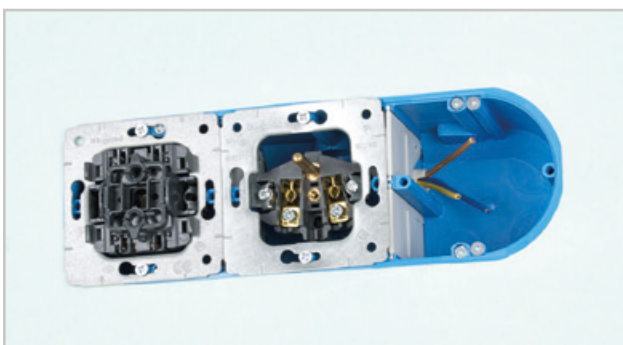
2. Press the marking pins, which are located on the bottom of the junction box, at the line of horizontal plane.



3. Make two openings using a hole saw  $\varnothing$  68 mm and connect them. Cut the inside using a knife or a jigsaw.



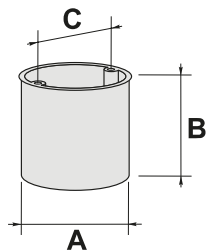
4. Insert the junction box and fix it using screws.



5. Its compact and rigid structure allows for convenient and precise installation of any given equipment.


## 6.2.3

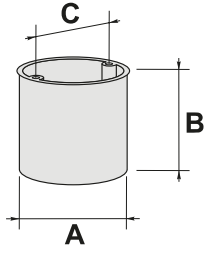
### JUNCTION BOXES FOR CAVITY WALLS with membranes, windproof



	E2700	E3700
		
	shallow, windproof with membranes <b>60 mm</b>	deep, windproof with membranes <b>60 mm</b>
Colour   Cat. number		
Orange ●	83 191 088	83 192 088
External dimensions		
A / B / C [mm]	68 / 47 / 60	68 / 61 / 60
Weight	23 g	27 g
Material properties	self-extinguishing, resistance to heat 850 °C	self-extinguishing, resistance to heat 850 °C
Additional features	2 screws for mounting fittings are included, box for the frame module 71 mm, 4 cable grommets: (2x) M25; (2x) 3x1,5mm <sup>2</sup> , (2x) 3x2,5mm <sup>2</sup> -5x1,5mm <sup>2</sup>	2 screws for mounting fittings are included, box for the frame module 71 mm, 4 cable grommets: (2x) M25, (2x) 3x1,5mm <sup>2</sup> , (2x) 3x2,5mm <sup>2</sup> -5x1,5mm <sup>2</sup> , additionally 2 cable grommets na 7x1,5mm <sup>2</sup> lub 5x2,5mm <sup>2</sup>
Accessories	protective cover PL60, connector E105	protective cover PL60, connector E105
Standard	EN 60670-1; EN 60670-22	EN 60670-1; EN 60670-22
Collective packaging		



	for electronics, windproof with membranes <b>60 mm</b>
Colour   Cat. number	
Orange ●	83 199 008
External dimensions	
A / B / C [mm]	68 / 70 / 60
Weight	43 g
Material properties	self-extinguishing, resistance to heat 850 °C
Additional features	Pocket box (shoe-shaped) intended for mounting electrical components. Flexible structure of the box side allows it to be introduced into ø 68 mm hole from the front of the wall. This box is equipped with membranes ø 25 m.
Accessories	protective cover PL60, extension ring PD60x30, screws W16; W25; W40
Standard	EN 60670-1 (VDE 0606-1); DIN 49073
Collective packaging	



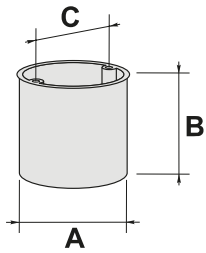
	P32	P2x32
		
	for wall lights <b>32 mm</b>	for wall lights <b>2x32 mm</b>
Colour   Cat. number		
Blue ●	32 020 203	32 023 203
External dimensions		
A / B / C [mm]	38 / 44 / 32	38 / 44 / 68
Weight	12 g	18 g
Material properties	self-extinguishing, halogen-free, resistance to heat 960 °C	self-extinguishing, halogen-free, resistance to heat 960 °C
Additional features	1 knockout for pipe ø 20 mm, cover is included with the box	2 knockouts for pipe ø 20 mm, cover is included with the box
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		



# 6.2.5

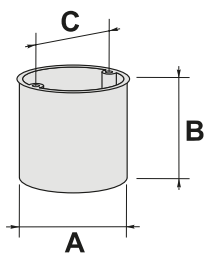
## JUNCTION BOXES FOR CAVITY WALLS

fire protection, soundproof



	BS2700	BS3700





	soundproof, windproof, fire prevention	
Colour   Cat. number		
Black ●	86 161 007	86 163 007
External dimensions		
A / B / C [mm]	68 / 50 / 68	68 / 62 / 68
Class odporności ogniowej	EI120 without insulation wool EI30 - EI60	EI120 without insulation wool EI30 - EI60
Weight	46,5 g	53 g
Additional features	2 holes for M25 tubes	2 holes for M25 tubes
	After reaching a critical temperature, the box reacts and forms an insulating layer. The inside of the box is closed from the inside out in a specific way. The box remains dimensionally stable according to the fire resistance class.	
Standard	DIN EN 60670-1; EN 60670-22	DIN EN 60670-1; EN 60670-22
Collective packaging		



	BS2000	BS3500


	soundproof, windproof, fire prevention	
Colour   Cat. number		
Black ●	86 160 007	86 162 007
External dimensions		
A / B / C [mm]	68 / 50 / 60	68 / 62 / 68
Class odporności ogniowej	EI120 without insulation wool EI30 - EI60	EI120 without insulation wool EI30 - EI60
Weight	45,5 g	52,5 g
Additional features	4 holes for M20 tubes	4 holes for M20 tubes
	After reaching a critical temperature, the box reacts and forms an insulating layer. The inside of the box is closed from the inside out in a specific way. The box remains dimensionally stable according to the fire resistance class.	
Standard	DIN EN 60670-1 (VDE 0606-1); DIN 49073; DIN EN 60695-2-10 (VDE 0471-2-10)	DIN EN 60670-1 (VDE 0606-1); DIN 49073; DIN EN 60695-2-10 (VDE 0471-2-10)
Collective packaging		



	PK3	PK8
		
	branched	branched
Colour   Cat. number		
White ○	83 026 006	83 029 006
External dimensions		
A / B / C [mm]	125 / 35 / 125	190 / 80 / 170
Weight	126 g	305 g
Material properties	resistance to heat 650 °C	resistance to heat 650 °C
Standard	EN 60998-1; EN 60998-2-5	EN 60998-1; EN 60998-2-5
Collective packaging*		

\* These products are also sold in pieces.



	PK4	PK5
		
	branched	branched
Colour   Cat. number		
White ○	83 027 006	83 028 006
External dimensions		
A / B / C [mm]	125 / 45 / 125	125 / 70 / 125
Weight	197 g	260 g
Material properties	resistance to heat 650 °C	resistance to heat 650 °C
Additional features	installed glands D-25, in the case of using „trough“ type cable glands IP20	installed glands D-25, in the case of using „trough“ type cable glands IP20
Standard	EN 60998-1; EN 60998-2-5	EN 60998-1; EN 60998-2-5
Collective packaging*		





\* These products are also sold in pieces.

# 6.3.1

## SURFACE JUNCTION BOXES

standard series IP44



	PO75	PO75p
		
	with insert	without insert
Colour   Cat. number		
White ○	83 012 006	83 011 006
External dimensions		
A / B / C [mm]	85 / 40 / 85	85 / 40 / 85
Weight	77 g	57 g
Material properties	resistance to heat 650 °C	resistance to heat 650 °C
Additional features	with clamp insert 4x2,5 mm <sup>2</sup>	
Standard	EN 60998-1; EN 60998-2-5	EN 60998-1; EN 60998-2-5
Collective packaging*		

\* These products are also sold in pieces.



	PH	PH/p	PK-2P
			
	with insert	without insert	branched
Colour   Cat. number			
White ○	83 014 006	83 013 006	83 023 006
External dimensions			
A / B / C [mm]	85 / 40 / 85	85 / 40 / 85	103 / 60 / 103
Weight	73 g	53 g	151 g
Material properties	resistance to heat 650 °C	resistance to heat 650 °C	resistance to heat 650 °C
Additional features	with clamp insert 4x2,5 mm <sup>2</sup> , installed glands D-13,5	installed glands D-13,5	installed glands D-25
Standard	EN 60998-1; EN 60998-2-5	EN 60998-1; EN 60998-2-5	EN 60998-1; EN 60998-2-5
Collective packaging*			

\* These products are also sold in pieces.

**FASTBOX**<sup>®</sup>  
& HOOK



Cutter NS - p. 126



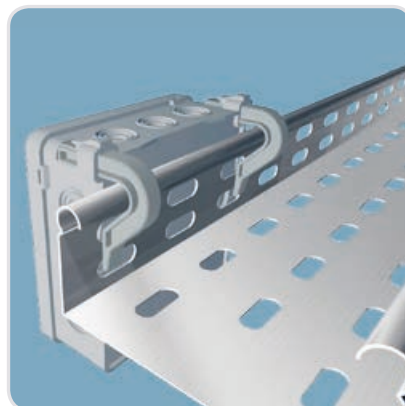
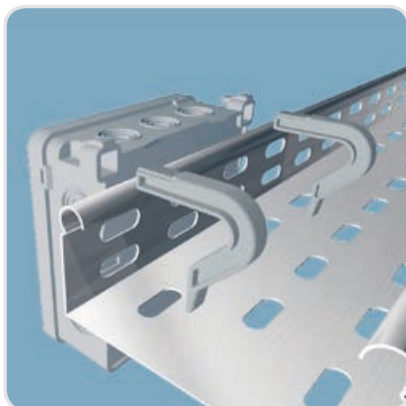
	NS5	NS6	NS7
	self-latching	self-latching	self-latching
Colour   Cat. number			
Grey ●	35 360 102	35 346 102	35 349 102
Black ●	35 360 107	35 346 107	35 349 107
White ○	35 360 106	35 346 106	35 349 106
Red ●	35 360 101	35 346 101	35 349 101
External dimensions			
A / B / C [mm]	75 / 75 / 40	85 / 85 / 40	100 / 100 / 40
Weight	38,4 g	46,3 g	58,6 g
Material properties	self-extinguishing, resistance to heat 650 °C, halogen-free	self-extinguishing, resistance to heat 650 °C, halogen-free	self-extinguishing, resistance to heat 650 °C, halogen-free
Additional features	possibility of mounting with HNS hooks	possibility of mounting with HNS hooks	possibility of mounting with HNS hooks
Accessories	cutter NS	cutter NS	cutter NS
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging			

Cutter NS - p. 126



	NS8	NS9	HNS
	self-latching	self-latching	hak
Colour   Cat. number			
Grey ●	35 357 102	35 404 102	37 345 202
Black ●	35 357 107	35 404 107	37 345 207 (on special request)
White ○	35 357 106	35 404 106	37 345 206 (on special request)
Red ●	35 357 101	35 404 101	37 345 201 (on special request)
External dimensions			
A / B / C [mm]	45 / 40 / 85	90 / 40 / 135	7,8 / 43,8 / 41,7
Weight	28,9 g	79,9 g	2,8 g
Material properties	self-extinguishing, resistance to heat 650 °C, halogen-free	self-extinguishing, resistance to heat 650 °C, halogen-free	self-extinguishing, resistance to heat 650 °C, halogen-free, RAL7004
Additional features	no possibility of mounting with HNS hooks	possibility of mounting with HNS hooks	-
Accessories	cutter NS	cutter NS	-
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging			

## METHOD OF INSTALLATION



## ATTRIBUTES

**QUICK INSTALLATION**

An innovative method of installation with the use of hooks, which is reserved in patent office. Installation on a cable route takes less than 10 seconds.

**NEW SOLUTION**

Holes in junction box's bottom for attaching the hooks.

**MOUNTING BRACKET**

Bracket for mounting with the use of bands or Ø 6mm screws that facilitate the installation.

**STIFF COVER**

The self-locking cover is made of polypropylene. Its smooth surface allows for placement of the description of the installation.

**LATERAL KNOCKOUT**

One central knockout in box NS8.

**PERFORATION**

An additional opening in the packaging flap enables repeated use of the collective packaging.





Montage video



**FASTBOX**<sup>®</sup>  
& HOOK

# 6.3.3

## SURFACE JUNCTION BOXES











IP54



# FASTBOX













Cutter NS - p. 126







	N5	N6
		
		
	self-latching	self-latching
<b>Colour   Cat. number</b>		
Grey ●	83 005 002	83 006 002
White ○	83 005 006	83 006 006
Red ●	_____	83 006 001
Black ●	_____	83 006 017
<b>External dimensions</b>		
A / B / C [mm]	75 / 40 / 75	85 / 40 / 85
Weight	37 g	37,3 g
<b>Material properties</b>	self-extinguishing, resistance to heat 650 °C, halogen-free, RAL7035	self-extinguishing, resistance to heat 650 °C, halogen-free, RAL7035
<b>Additional features</b>	12 cut-off conical cable glands ø 16 / 11 / 6 mm	12 cut-off conical cable glands ø 16 / 11 / 6 mm
<b>Notes</b>		Red version is recommended for fire signalling notes systems. Usually with the use of porcelain terminal blocks.
<b>Accessories</b>	cutter NS	cutter NS
<b>Standard</b>	EN 60670:1; EN 60670-22	EN 60670:1; EN 60670-22
<b>Collective packaging</b>	 	   

Cutter NS - p. 126



	N7	N8	N9
			
			
	self-latching	self-latching	self-latching
<b>Colour   Cat. number</b>			
Grey ●	83 007 002	83 008 002	83 009 002
White ○	83 007 006	83 008 006	83 009 006
<b>External dimensions</b>			
A / B / C [mm]	100 / 40 / 100	37 / 40 / 75	89 / 40 / 134
Weight	52 g	26 g	80 g
<b>Material properties</b>	self-extinguishing, resistance to heat 650 °C, halogen-free, RAL7035	self-extinguishing, resistance to heat 650 °C, halogen-free, RAL7035	self-extinguishing, resistance to heat 650 °C, halogen-free, RAL7035
<b>Additional features</b>	12 cut-off conical cable glands ø 16 / 11 / 6 mm	10 cut-off conical cable glands ø 16 / 11 / 6 mm	16 cut-off conical cable glands ø 16 / 11 / 6 mm
<b>Accessories</b>	cutter NS	cutter NS	cutter NS
<b>Standard</b>	EN 60670:1; EN 60670-22	EN 60670:1; EN 60670-22	EN 60670:1; EN 60670-22
<b>Collective packaging</b>	 	 	 



	N80x80F	N90x90F
	 PE	 PE
	self-latching	self-latching
Colour   Cat. number		
Grey ●	35 210 002	35 220 002
External dimensions		
A / B / C [mm]	88 / 58 / 88	98 / 60 / 98
Weight	64,8 g	83,3 g
Material properties	self-extinguishing, resistance to heat 650 °C, RAL 7035, on special request RAL 7012	self-extinguishing, resistance to heat 650 °C, RAL 7035, on special request RAL 7012
Additional features	7 knockouts for cable glands, 4 knockouts in the cover allowing for its tightening using screws W16	7 knockouts for cable glands, 4 knockouts in the cover allowing for its tightening using screws W16
Accessories	branched terminal blocks: ZPT 4x2.5; ZPT 5x2.5; ZPT 4x4.0; ZPT 5x4.0	branched terminal blocks: ZPT 4x2.5; ZPT 5x2.5; ZPT 4x4.0; ZPT 5x4.0; ZPT 5x10
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		

# 6.3.4

## SURFACE JUNCTION BOXES

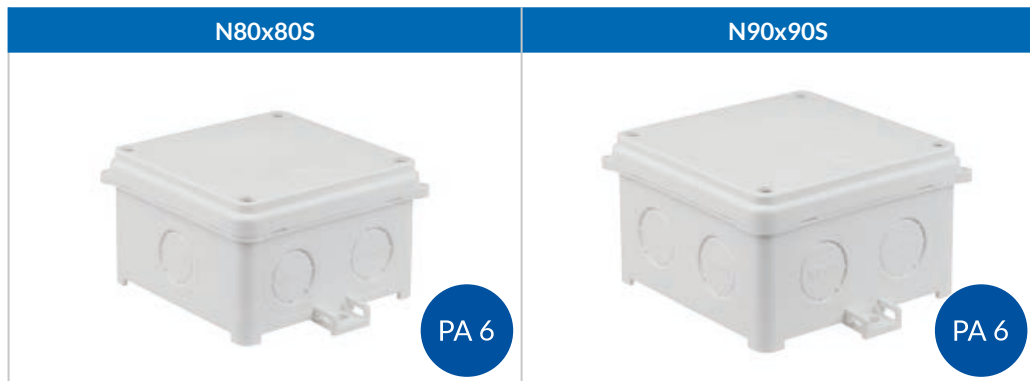
IP55 and IP65



	N80x80	N90x90
	<b>88x55x88 mm</b>	<b>98x60x98 mm</b>
Colour   Cat. number		
White ○	35 110 206	35 120 206
External dimensions		
A / B / C [mm]	88 / 55 / 88	98 / 60 / 98
Weight	105,1 g	130,4 g
Material properties	self-extinguishing, halogen-free, resistant to UV radiation, resistance to heat 960 °C	self-extinguishing, halogen-free, resistant to UV radiation, resistance to heat 960 °C
Additional features	7 knockouts for cable glands (Ø 28 mm), 3 cable glands in the set DM1 (13, 16, 20, 25 mm). <b>Cover screwed using 4 acid-resistant screws.</b> Rubber gasket in the cover.	7 knockouts for cable glands (Ø 28 mm), 3 cable glands in the set DM1 (13, 16, 20, 25 mm). <b>Cover screwed using 4 acid-resistant screws.</b> Rubber gasket in the cover.
Accessories	branched terminal blocks: ZPT 4x2.5; ZPT 5x2.5; ZPT 4x4.0; ZPT 5x4.0, membrane cable gland DM1	branched terminal blocks: ZPT 4x2.5; ZPT 5x2.5; ZPT 4x4.0; ZPT 5x4.0; ZPT 4x10; ZPT 5x10, membrane cable gland DM1
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		



	N110x110
	<b>118x68x118 mm</b>
Colour   Cat. number	
White ○	35 130 206
External dimensions	
A / B / C [mm]	118 / 68 / 118
Weight	164,2 g
Material properties	self-extinguishing, halogen-free, resistant to UV radiation, resistance to heat 960 °C
Additional features	7 knockouts for cable glands (Ø 28 mm), 3 cable glands in the set DM1 (13, 16, 20, 25 mm). <b>Cover screwed using 4 acid-resistant screws.</b> Rubber gasket in the cover.
Accessories	branched terminal blocks: ZPT 4x2.5; ZPT 5x2.5; ZPT 4x4.0; ZPT 5x4.0; ZPT 4x10; ZPT 5x10, membrane cable gland DM1
Standard	PN-EN IEC 60670-1
Collective packaging	



	N80x80S	N90x90S
	<b>88x55x88 mm</b>	<b>98x60x98 mm</b>
Colour   Cat. number		
White ○	35 133 206	35 135 206
External dimensions		
A / B / C [mm]	88 / 55 / 88	98 / 60 / 98
Weight	92,6 g	117,6 g
Material properties	self-extinguishing, halogen-free, resistant to UV radiation, resistance to heat 960 °C	self-extinguishing, halogen-free, resistant to UV radiation, resistance to heat 960 °C
Additional features	This product includes 7 knockouts for threaded cable glands PG 13,5 (Ø 21 mm). <b>Cover screwed using 4 acid-resistant screws.</b>	This product includes 7 knockouts for threaded cable glands PG 16 (Ø 23 mm). <b>Cover screwed using 4 acid-resistant screws.</b>
Accessories	Screwed cable glands PG13.5 or rubber glands DM1	Screwed cable glands PG16 or rubber glands DM1
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		



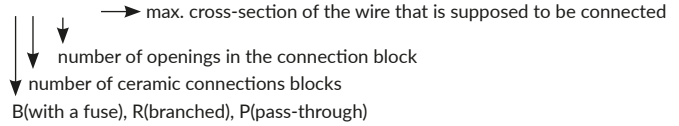
	N110X110S	N110X180S	N180X180S
	<b>118x68x118 mm</b>	<b>118x68x188</b>	<b>188x88x188 mm</b>
Colour   Cat. number			
White ○	35 137 206	35 270 206	35 300 206
External dimensions			
A / B / C [mm]	118 / 68 / 118	118 / 68 / 188	188 / 88 / 188
Weight	152,2 g	213,3 g	413 g
Material properties	self-extinguishing, halogen-free, resistant to UV radiation, resistance to heat 960 °C	self-extinguishing, halogen-free, resistant to UV radiation, resistance to heat 960 °C	self-extinguishing, halogen-free, resistant to UV radiation, resistance to heat 960 °C
Additional features	This product includes 7 knockouts for threaded cable glands, <b>4 acid-resistant threaded screws</b> , PG16 (Ø 23 mm) and PG21 (Ø 29 mm).	This product includes 12 knockouts for threaded cable glands, <b>4 acid-resistant threaded screws</b> , PG16 (Ø 23 mm) and PG21 (Ø 29 mm).	This product includes 7 knockouts for threaded cable glands, <b>4 acid-resistant threaded screws</b> , PG16 (Ø 23 mm) and PG21 (Ø 29 mm).
Accessories	Screwed cable glands PG16 and PG21	Screwed cable glands PG16 and PG21	Screwed cable glands PG16 and PG21
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging			





### HOW TO READ THE MARKING

PIP-1AN B 3 x 2 x 4



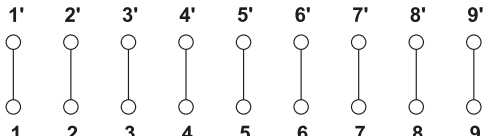
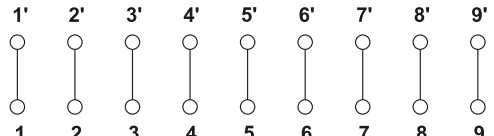




	PIP-1AN B3x2x4	PIP-1AN R3x2x4
	<b>0,375 A</b>	<b>16 A</b>
Colour   Cat. number	Red ● <b>84 621 606</b>	Red ● <b>84 621 616</b>
Dimensions A/B/C [mm]	115 / 28 / 123 with culverts	115 / 28 / 123 with culverts
Fire-resistance rating	E90	E90
Weight	255 g	255 g
Material properties	powder coated sheet metal, culverts made of flame retardant material	powder coated sheet metal, culverts made of flame retardant material
Additional features	possibility of installing W2 signalling device on the box cover	possibility of installing W2 signalling device on the box cover
Wiring diagram	<p><b>PIP-1AN with a fuse</b></p>	<p><b>PIP-1AN/Branched</b></p>
Standard	DIN 4102-12	DIN 4102-12
Collective packaging		




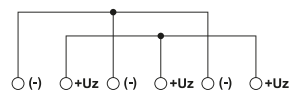
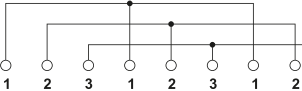
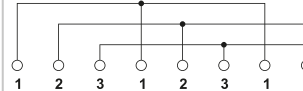





	PIP-2AN B2x3x4	PIP-2AN P2x3x4
	<b>0,375 A</b>	<b>32 A</b>
Colour   Cat. number	Red ● <b>84 622 606</b>	Red ● <b>84 622 616</b>
Dimensions A/B/C [mm]	88 / 30 / 166 with culverts	103 / 30 / 197 with culverts
Fire-resistance rating	E90	E90
Weight	334 g	406 g
Material properties	powder coated sheet metal, culverts made of flame retardant material	powder coated sheet metal, culverts made of flame retardant material
Additional features	base enabling the wire entry from the substrate side	
Wiring diagram	<p><b>PIP-2AN with a fuse</b></p>	<p><b>PIP-2AN/Pass-through/6x4mm²</b></p>
Standard	DIN 4102-12	DIN 4102-12
Collective packaging		



	PIP-2AN P3x3x4	PIP-2AN P3x3x6
		
	<b>32 A</b>	<b>41 A</b>
Colour   Cat. number	Red ● 84 622 626	Red ● 84 622 636
Dimensions A/B/C [mm]	103 / 30 / 197 with culverts	125 / 36 / 225 with culverts
Fire-resistance rating	E90	E90
Weight	434 g	585 g
Material properties	powder coated sheet metal, culverts made of flame retardant material	powder coated sheet metal, culverts made of flame retardant material
Wiring diagram	<p>PIP-2AN/Pass-through/9x4mm<sup>2</sup></p> 	<p>PIP-2AN/Pass-through/9x6mm<sup>2</sup></p> 
Standard	DIN 4102-12	DIN 4102-12
Collective packaging		



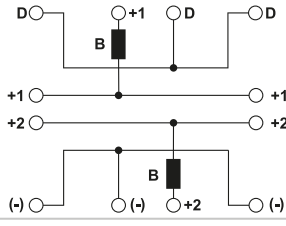
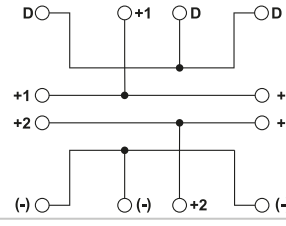




	PIP-2AN R2x3x4	PIP-2AN R3x3x4	PIP-2AN R3x3x6
			
	<b>16 A</b>	<b>16 A</b>	<b>16 A</b>
Colour   Cat. number	Red ● 84 622 646	Red ● 84 622 656	Red ● 84 622 666
Dimensions A/B/C [mm]	103 / 30 / 197 with culverts	103 / 30 / 197 with culverts	125 / 36 / 225 with culverts
Fire-resistance rating	E90	E90	E90
Weight	331 g	457 g	620 g
Material properties	powder coated sheet metal, culverts made of flame retardant material	powder coated sheet metal, culverts made of flame retardant material	powder coated sheet metal, culverts made of flame retardant material
Additional features	base enabling the wire entry from the substrate side		
Wiring diagram	<p>PIP-2AN/Branched/4mm<sup>2</sup></p> 	<p>PIP-2AN/Branched/3 wires/4mm<sup>2</sup></p> 	<p>PIP-2AN/Branched/3 wires/6mm<sup>2</sup></p> 
Standard	DIN 4102-12	DIN 4102-12	DIN 4102-12
Collective packaging			



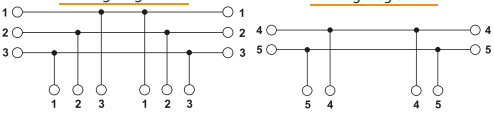
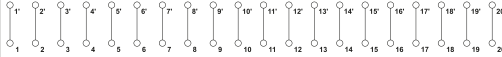


# 6.4











## FIRE PROTECTION JUNCTION BOXES

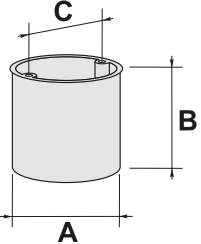












	PIP-3AN B6x2x4	PIP-3AN R6x2x4
		
	<b>0,75 A</b>	<b>16 A</b>
Colour   Cat. number	Red ● 84 623 606	Red ● 84 623 616
Dimensions A/B/C [mm]	124 / 28 / 137 with culverts	124 / 28 / 137 with culverts
Fire-resistance rating	E90	E90
Weight	350 g	355 g
Material properties	powder coated sheet metal, culverts made of flame retardant material	powder coated sheet metal, culverts made of flame retardant material
Additional features	possibility of installing W2 signalling device on the box cover	possibility of installing W2 signalling device on the box cover
Wiring diagram	<p><b>PIP-3AN with a fuse</b></p> 	<p><b>PIP-3AN/Branched</b></p> 
Standard	DIN 4102-12	DIN 4102-12
Collective packaging		



	PIP-5A R4x3x4, 4x2x4	PIP-7A P10x2x4
		
	<b>two-level 16 A</b>	<b>32 A</b>
Colour   Cat. number	Red ● 84 625 616	Red ● 84 627 616
Dimensions A/B/C [mm]	92 / 47 / 174 with culverts	114 / 30 / 286 with culverts
Fire-resistance rating	E90	E90
Weight	739 g	916 g
Material properties	powder coated sheet metal, culverts made of flame retardant material	powder coated sheet metal, culverts made of flame retardant material
Additional features	base enabling the wire entry from the substrate side	
Wiring diagram	<p><b>Wiring diagram 1</b>      <b>Wiring diagram 2</b></p> 	
Standard	DIN 4102-12	DIN 4102-12
Collective packaging		

	P1kn71x71	P2kn71x142
   	 	 
	for fittings 60 mm, on a TS35 rail <b>71x71 mm</b>	for fittings 2x60 mm, on a TS35 rail <b>71x142 mm</b>
Colour   Cat. number	White ○ <b>36 070 206</b>	<b>36 071 206</b>
External dimensions	A / B / C [mm] 71 / 48 / 71	71 / 48 / 142
Weight	58,1 g	85 g
Material properties	self-extinguishing, halogen-free, resistance to heat 960 °C	self-extinguishing, halogen-free, resistance to heat 960 °C
Additional features	4 knockouts for pipes ø 16 mm, 4 knockouts for pipes ø 10...16 mm in side walls, 3 outputs to wires ø 8 mm in the bottom, spacing for mounting fittings 60 mm	2 knockouts for pipes ø 16 mm, 2 outputs to wires ø 8 mm, 4 knockouts for pipes ø 10...16 mm, in side walls, 2 outputs to wires ø 8 mm in the bottom, spacing for mounting fittings 60 mm
Mounting	on TS 35 rail	on TS 35 rail
Standard	PN-EN IEC 60670-1	PN-EN IEC 60670-1
Collective packaging		

	PST60	PMST60	EPS20
  	 	 	
	for polystyrene <b>70 mm</b>	mounting plate <b>110x110 mm</b>	block of polystyrene with a box <b>60mm</b>
Colour   Cat. number	Blue ● <b>32 273 003</b>	White ○ <b>32 277 006</b>	<b>83 113 003</b>
External dimensions	A / B / C [mm] 68 / 46 / 70	110 / 8 / 110	184 / 205 / 184
Weight	24,1 g	105,4 g	560 g
Material properties	self-extinguishing, halogen-free, resistance to heat 960 °C	self-extinguishing, halogen-free, resistance to heat 960 °C	halogen-free, resistance to heat 650 °C
Additional features	PST60 box is a simple method to mount installation sockets or to create branches on existing insulations of the buildings. Just drill a hole in the insulation with ø 68 mm and insert the box. In order to fix the box firmly, you need to push the internal elements of the box outwards with your thumb. In order to improve the box's holding properties, you can cover the sides of the box with a silicone or construction acrylic before mounting. This box can be combined in frame systems with the use of KD71 connector and it can be covered with the use of PL60 cover. Spacing for mounting fittings – 60 mm.	Supporting mounting plate is fixed on a junction box or directly on a styrofoam insulated wall. It is used for mounting such elements as camera, antenna or sensors that do not exceed 4 kg. It is equipped with 4 special spiral pins made of plastic, along with screws.	This block is mounted during the process of covering the walls with insulation due to the fact that it must be glued to the surface of main wall. The block with embedded junction box is 200 mm deep and allows for adjustment of its depth in the range 80-200 mm, depending on the thickness of the insulation. For this purpose, the bottom part of polystyrene is appropriately cut. Wall mounting is carried out by gluing the EPS20 block to the wall surface, preferably using a special adhesive (251-KL) or other construction adhesive. Subsequently, it is enclosed by insulation and creates compact solid structure with the wall. In addition, it includes a pad for fixing elements on the surface of the polystyrene, e.g. cameras, sensors, antennas, etc. Mounting adhesive 251-KL, bearing capacity 12 kg.
Standard	PN-EN IEC 60670-1		
Collective packaging			

## 6.5.3

### JUNCTION BOXES FOR SPECIAL APPLICATIONS

for wooden houses, for kitchen fittings,



PDD60



PA 6

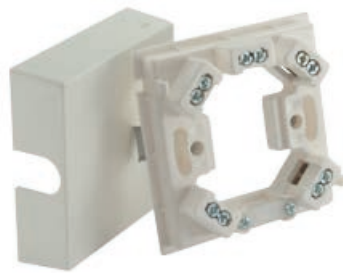
shallow, for wooden houses **60 mm**

Colour   Cat. number	
Blue ●	32 223 203
External dimensions	
A / B / C [mm]	60 / 58,5 / 60
Weight	50 g
Material properties	self-extinguishing, halogen-free, resistance to heat 960 °C
Additional features	Set includes: a cover with 2 mounting screws, 4 screws for mounting to a board, 2 additional screws for fittings. This junction box is intended for wooden houses. It is mounted in a cavity wall from the inside of it (in the wood panel, plasterboard, etc.)
Accessories	extension ring PD60x30, screws W25; W40
Standard	PN-EN IEC 60670-1
Collective packaging*	

\* This product is also sold in pieces.



HAD01















montage video

for kitchen fittings

Colour   Cat. number	
White ○	35 350 206
External dimensions	
A / B / C [mm]	80 / 25 / 80
Weight	92 g
Additional features	The product is equipped with 5 two-hole 6mm <sup>2</sup> branch terminal blocks and a clamp for wedging the supply cable. The box can be assembled by means of expansion bolts or screws into Ø 60 mm flush mounting or plaster boxes.
Standard	PN-EN IEC 60670-1
Collective packaging	

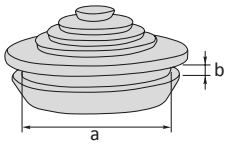


	TIGHTENING MEMBRANES		
	E06	E07	E08
			
	<b>ø 16 mm</b>	<b>ø 20 mm</b>	<b>ø 25mm</b>
Colour   Cat. number			
Grey ●	83 206 302	83 207 302	83 208 302
External dimensions			
Outer diameter / inner diameter	16 mm / 11 mm	20 mm / 15 mm	25 mm / 19,5 mm
Additional features	Tightening membrane for pipes, conduits, and junction boxes, Ø external pipes 16 mm, Ø internal pipes 11 mm	Tightening membrane for pipes, conduits, and junction boxes, Ø external pipes 20 mm, Ø internal pipes 15 mm	Tightening membrane for pipes, conduits, and junction boxes, Ø external pipes 25 mm, Ø internal pipes 19,5 mm
	Standard application of cable grommets consists of tightening the pipes inserted into the boxes. If the inserted conduits are loose, then the installation is not airtight. Tightening of the ending of a pipe or conduit inserted into the box makes the connection windproof (particularly in flush mounted installations).		
Collective packaging			

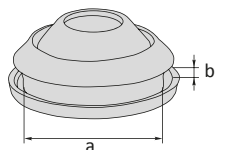
	TIGHTENING MEMBRANES		GROMMET
	E09	E10	DM1
			
	<b>ø 32 mm</b>	<b>ø 40 mm</b>	<b>ø 32 mm</b>
Colour   Cat. number			
Grey ●	83 209 302	83 210 302	_____
White ○	_____	_____	37 113 906
External dimensions			
Outer diameter / inner diameter	32 mm / 25 mm	40 mm / 31,5 mm	32 mm / 28 mm
Additional features	Tightening membrane for pipes, conduits, and junction boxes, Ø external pipes 32 mm, Ø internal pipes 25 mm	Tightening membrane for pipes, conduits, and junction boxes, Ø external pipes 40 mm, Ø internal pipes 31,5 mm	Cable grommet for surface boxes with IP55 and 67. It allows for mounting installation pipes or conductors with the following diameters: 10; 13,5; 16; 20; 25 mm. This grommet includes internal flanges that improve tightness of mounted wires.
	Standard application of cable grommets consists of tightening the pipes inserted into the boxes. If the inserted conduits are loose, then the installation is not airtight. Tightening of the ending of a pipe or conduit inserted into the box makes the connection windproof (particularly in flush mounted installations).		
Collective packaging			

# 6.6.1









## EQUIPMENT FOR JUNCTION BOXES membrane grommets, tightening membranes




	GROMMETS		
	STM25	STM32	STM40
	<b>ø 25 mm</b>	<b>ø 32 mm</b>	<b>ø 40 mm</b>
Colour   Cat. number			
Grey ●	83 121 002	83 122 002	83 123 002
External dimensions			
Mounting hole diameter/ Depth	23-26 mm / 3 mm	30-33 mm / 3 mm	38-40 mm / 3 mm
Diameters after cut-off for pipe embedding	ø 5 ... 16 mm	ø 6 ... 20 mm	ø 8 ... 26 mm
Additional features	Rubber grommets intended for tightening the inlets of junction boxes for IP 54 protection. A proper diameter is achieved by cutting off a grommet's protruding part with the use of utility knife. The grommet is made of a special flexible rubber that provides a tight connection with the introduced pipe or wire.		
Collective packaging			



	GROMMETS		
	DMS20	DMS25	DMS32
	<b>ø 20 mm</b>	<b>ø 25 mm</b>	<b>ø 32 mm</b>
Colour   Cat. number			
Grey ●	83 124 002	83 125 002	83 126 002
External dimensions			
Mounting hole diameter/ Depth	20 mm / 3 mm	25 mm / 3 mm	32 mm / 3 mm
Diameters after cut-off for pipe embedding	ø 7 ... 12 mm	ø 12 ... 18 mm	ø 14 ... 23 mm
Collective packaging			

	KD12	KD71
		
		
		
	interconnector	connector
Colour   Cat. number		
Blue ●	37 088 003	37 015 003
External dimensions		
A / B / C [mm]	22 / 22 / 27,2	14 / 42 / 23
Material properties	self-extinguishing, halogen-free, resistance to heat 960 °C	self-extinguishing, halogen-free, resistance to heat 960 °C
Weight	2,5 g	3 g
Additional features	It increases the spacing of serially connected boxes by 14 mm for the application of single frames (S60K; S60KF; S60Kw; S60KFw; S60D; S60DF; S60DFw; S60G; S60Gw; SE2x60; SE2x60G).	For connecting boxes: PV60K; PV60D; PST60; PV70; PV80.
Collective packaging		

	KZ71	E105
		
		
	connector	connector
Colour   Cat. number		
Grey ●	37 261 002	
Orange ●		83 129 008
External dimensions	A / B / C [mm]	diameter / height [mm]
	16 / 27 / 28,3	14 / 21,4
Material properties	self-extinguishing, halogen-free, resistance to heat 960 °C	self-extinguishing, halogen-free, resistance to heat 650 °C
Weight	4 g	2 g
Additional features	This connector is intended for a serial connection of boxes: ZZ60KFw and ZZ60DFw. It provides the standard frame spacing of 71 mm, which enables the use of multi-pole frames with any number of poles.	Connector for windproof boxes: E2700; E3700; SP3700.
Collective packaging		

# 6.6.2

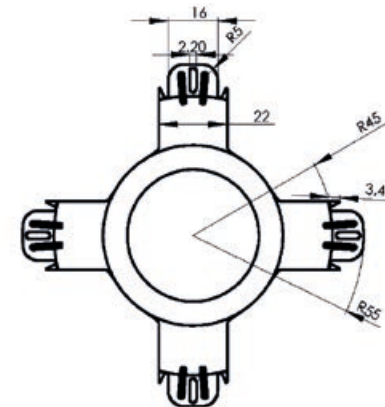
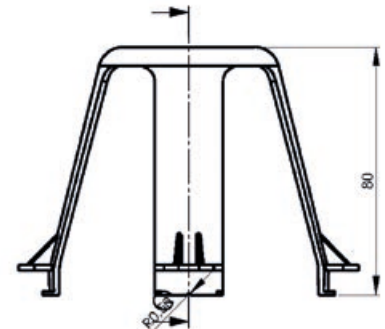
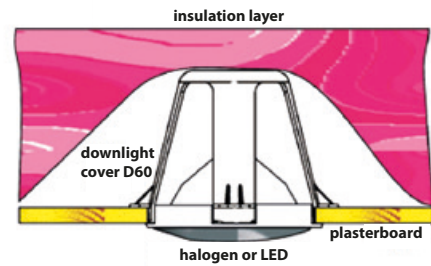
## EQUIPMENT FOR JUNCTION BOXES

downlight cover, extension rings

### DOWNLIGHT COVER D60



PA 6



60-85x80 mm

Colour   Cat. number	Blue ● 83 300 002
External dimensions	60-85 mm / 80 mm
Ext. diameter / Depth	60-85 mm / 80 mm
Material properties	self-extinguishing, halogen-free, resistance to heat 960 °C
Weight	20 g
Additional features	<p>A specialised downlight cover made of self-extinguishing halogen-free polyamide, which is safe in the electrotechnical context. This product is intended for creating a safe distance between the insulation layer and the source of light in the wall. Mounted LED and halogen lamps need to get rid of the heat, which is created from the internal side of the wall. If there is an insulation layer implemented, it is necessary to "move it away" from the light source for the purpose of fire safety, as well as for the purposes of extending durability of the light source.</p> <p>Mounting:</p> <ul style="list-style-type: none"> <li>• Drill the mounting hole with a diameter 60-85 mm.</li> <li>• Insert the downlight cover into the hole and push it using fingers outwards, so that its teeth get into the sides of the hole.</li> <li>• Insert the lighting fixture and embed it traditionally with the use of spring wings between the downlight cover's ribs.</li> </ul>
Collective packaging	25

### EXTENSION RINGS

PD60X12

PD60X24

PD60X30



PA 6



PA 6



PA 6

60x12 mm


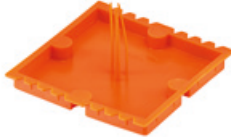




60x24 mm







universal 60x30 mm







Colour   Cat. number	White ○ 37 058 006	37 059 006	37 012 006
External dimensions	60 mm	60 mm	60 mm
Spacing of mounting holes	12 mm	24 mm	30 mm
Height	6 g	11 g	25 g
Material properties	self-extinguishing, halogen-free, resistance to heat 960 °C	self-extinguishing, halogen-free, resistance to heat 960 °C	self-extinguishing, halogen-free, resistance to heat 960 °C
Weight	6 g	11 g	25 g
Additional features	<p>extension rings are intended for increasing the depth of following boxes: Z60K; Z60KF; Z60Kw; Z60KFw; Z60D; Z60F; Z60Dw; SE2x60; SE2x60G; Z60DFw; S60K; S60KF; S60Kw; S60KFw; S60D; S60DF; S60DFw; S60G; S60Gw</p> <p>PD60x30 - ring with 5 cuttable segments every 6 mm</p>		
Collective packaging	50	50	50

# MULTIBOX Multiwall



		SIGNALLING COVER	
		PS1	PS2
			
			
		<b>70x72 mm</b>	<b>70x72 mm</b>
Colour   Cat. number			
Orange ●		37 165 008	37 166 008
External dimensions			
		70 x 72 mm	70 x 72 mm
Material properties		self-extinguishing, halogen-free, resistance to heat 650 °C	self-extinguishing, halogen-free, resistance to heat 650 °C
Weight		7 g	8 g
Additional features		Signalling cover for boxes of Multiwall series M2x60F, M3x60F and M4x60F and M5x60F. It covers outermost pole of the boxes. It is intended for marking the location of building in the box after plaster works.	Signalling cover for boxes of Multiwall series M3x60F, M4x60F, M5x60F. It covers the central pole of the box and along with two PS1 covers, it covers the box in its entirety.
Collective packaging			

		COVER	
		PM1	PM2
			
			
		<b>66x69 mm</b>	<b>66x71 mm</b>
Colour   Cat. number			
White ○		37 162 006	37 163 006
External dimensions			
		66 x 69 mm	66x71 mm
Material properties		self-extinguishing, halogen-free, resistance to heat 960 °C	self-extinguishing, halogen-free, resistance to heat 960 °C
Weight		6 g	7 g
Additional features		A cover closing outermost poles in the boxes of Multiwall series: M2x60F, M3x60F, M4x60F, M5x60F, M6x60F and Multibox2 series: P2x60D, P3x60D, P4x60D, P5x60D. It is mounted using 4 screws for fittings W16.	A cover closing central poles in the boxes of Multiwall series: M3x60F, M4x60F, M5x60F, M6x60F and Multibox2 series: P2x60D, P3x60D, P4x60D, P5x60D. Along with two PM1 covers, it closes the entire space of the box. It is mounted using 4 screws for fittings W16.
Collective packaging			

		EXTENSION RINGS	
		PDM60Z	PDM60W
			
			
		<b>30x71x71 mm</b>	<b>30x71x71 mm</b>
Colour   Cat. number			
White ○		37 288 006	37 289 006
External dimensions			
		30x71x71 mm	30x71x71 mm
Material properties		self-extinguishing, halogen-free, resistance to heat 960 °C	self-extinguishing, halogen-free, resistance to heat 960 °C
Weight		20 g	18 g
Additional features		Sectional external extension ring, which is mounted using 2 screws W16 for the Multiwall and Multibox2 series.	Sectional internal extension ring, which is mounted using 2 screws W16 for the Multiwall and Multibox2 series.
Collective packaging			















# 6.6.3







## EQUIPMENT FOR JUNCTION BOXES

covers

	WS60	WS70/80
		
	cover <b>60 mm</b>	cover <b>70/80 mm</b>
Colour   Cat. number		
White ○	89 001 006	37 081 006
External dimensions		
	∅ 72 mm	∅ 93 mm
Material properties	resistance to heat 650 °C	resistance to heat 650 °C
Weight	5,3 g	11,1 g
Additional features	spring hooks for junction boxes ∅ 60	spring hooks for junction boxes ∅ 70 and ∅ 80
Collective packaging		

	PKS60	PL60
	 	 
	cover <b>60 mm</b>	cover <b>60 mm</b>
Colour   Cat. number		
White ○	37 268 306	37 107 006
External dimensions		
	71 x 71 mm	∅ 59 mm
Material properties	self-extinguishing, halogen-free, resistance to heat 960 °C	self-extinguishing, halogen-free, resistance to heat 960 °C
Weight	13,8 g	3,3 g
Additional features	This cover allows for inserting the electrical wires into This a junction box ∅ 60mm. Special tunnels allow for inserting the conductor (3-wire 1,5 or 2,5 mm <sup>2</sup> ). PKS60 enables the implementation of connections in a box, as well as the routing of two flexible 3-wire power cables with a diameter up to 2,5 mm <sup>2</sup> outside the box to the devices (e.g. induction hob).	This cover is intended for plasterboard boxes PV60K, PV60D, SE2x60, SE2x60G. It can be used for other boxes (Z... and S... series, however in such case it is mounted on the surface of the box).
Collective packaging		

	PS60	E121
	 	 
	signalling cover <b>60 mm</b>	signalling cover <b>70 mm</b>
Colour   Cat. number		
Red ●	_____	83 188 001
Orange ●	37 083 008	_____
External dimensions		
External diameter	∅ 64 mm	∅ 74 mm
Material properties	resistance to heat 650 °C	resistance to heat 650 °C
Weight	4,8 g	6 g
Additional features	Signalling cover for junction boxes 60 mm (Z, ZZ S and SE series). It is intended for marking the location of embedding the box under the plaster.	Signalling cover for junction boxes 70 mm (for junction boxes Z70K, Z70 KF). It is intended for marking the location of embedding the box under the plaster.
Collective packaging		

	W16	W25	W40
			
	screw <b>16 mm</b>	screw <b>25 mm</b>	screw <b>40 mm</b>
Colour   Cat. number			
	37 086 160	37 086 250	37 086 400
External dimensions			
Length	16 mm	25 mm	40 mm
Collective packaging			

	ONEGEL	ZP18
		
	filling gel	hook for junction boxes for the cavity walls
Colour   Cat. number		
Transparent <input type="radio"/>	89 154 000	37 260 180
Operating temperature	- 60 °C ÷ +180 °C	_____
Resistance	10 G ohm/mm	_____
Weight	300 ml	_____
Additional features	This is an insulating and filling gel for spaces where electric and electronic devices are located. It insulates from the effects of humidity, water, dust and gas. ADVANTAGES: ready to use, transparent, non-toxic, eco-friendly, easy to use, allows for reusing of the terminal block, for vertical as well as horizontal application. It can be applied in housings with the outside temperature in the range from +5 to +40 °C.	A hook for junction boxes for the cavity walls Multibox, P6x60D, P60DF, P60KF, PV60K.
Collective packaging		

# 6.6.4

## EQUIPMENT FOR JUNCTION BOXES

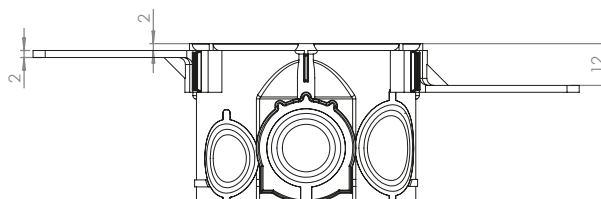
mounting holder, mounting ring, cutter

### E104



PS

mounting holder	
Colour   Cat. number	
Red ●	83 116 001
Material properties	self-extinguishing, halogen-free, resistance to heat 650 °C
Weight	5 g
Additional features	A special mounting holder for fixing flush mounted junction boxes in a wall chase. In a prepared chase, the boxes, which are connected serially and equipped with holders, are nailed to the wall. This guarantees their even embedding before the plastering process. Such mounting facilitates and accelerates the work, ensuring the precision of box embedding. While ordering, it is necessary to note that each box requires two holders. The product is suitable for mounting elements used in the body of serial boxes with membrane knockouts and boxes E106-2K, E107-2K.
Collective packaging	



F-CLIP	Cutter NS
--------	-----------



PC

	mounting ring	cutter for knockouts
Colour   Cat. number		
White ○	83 187 003	_____
Blue ●	_____	37 400 803
External diameter		
	max. up to 60 mm of groove or wall chase	
Material properties	resistance to heat 650 °C	
Weight	2 g	5,2 g
Additional features	A clip for mounting cables in grooves. It replaces problematic initial plastering or limits the hammering of nails.	Cutter for knockouts in surface boxes from FASTBOX&HOOK, FASTBOX series.
Collective packaging		





# MODULAR APPARATUS



# Plan your safety

# SIMTEC

**SIMTEC** - varistor surge arresters used in electrical installations for the surge protection. They fulfil an important role in the reduction of voltage surges. Their task consists of:

**type 2 surge arresters** - prevention of voltage surges up to 1-1,5 kV

**type 3 surge arresters** - direct protection of selected electrical and electronic devices, which are sensitive to any voltage surges, in the single-family and multi-family construction.

Type 3

**SM 3D**

rated discharge

current

8-20  $\mu\text{s}$  (In):

**1,5 kA**

maximum

continuous

operating voltage (Uc):

**255 V**

examples of

application:

**For**

**junction boxes**

Cat. no. 85 303 000

Compliance with standards:

IEC 61643-11,

E DIN VDE 0675 6-11,

CE Declaration

of Conformity

Type 3

**SM10D 1P**

rated discharge

current

8-20  $\mu\text{s}$  (In):

**10 kA**

maximum

continuous

operating voltage (Uc):

**275 V**

examples of

application:

**protection**

**of rooms,**

**groups of devices**

Cat. no. 85 301 000

Compliance with standards:

IEC 61643-11,

CE Declaration

of Conformity

Type 1+2

**ST 30B+C 4P**

rated discharge

current

8-20  $\mu\text{s}$  (In):

**30 kA**

maximum

continuous

operating voltage (Uc):

**275 V**

pulse current

limit (10/350  $\mu\text{s}$ ):

**18 kA**

examples of

application:

**protection of**

**detached houses,**

**apartments**

Cat. no. 85 201 010

Compliance with standards:

IEC 61643-11,

E DIN VDE 0675 6-11,

CE Declaration

of Conformity

Type 2

**SM 20C 4P**

rated discharge

current

8-20  $\mu\text{s}$  (In):

**20 kA**

maximum

continuous

operating voltage (Uc):

**275 V**

examples of

application:

**protection of**

**detached houses,**

**apartments**

Cat. no. 85 102 000

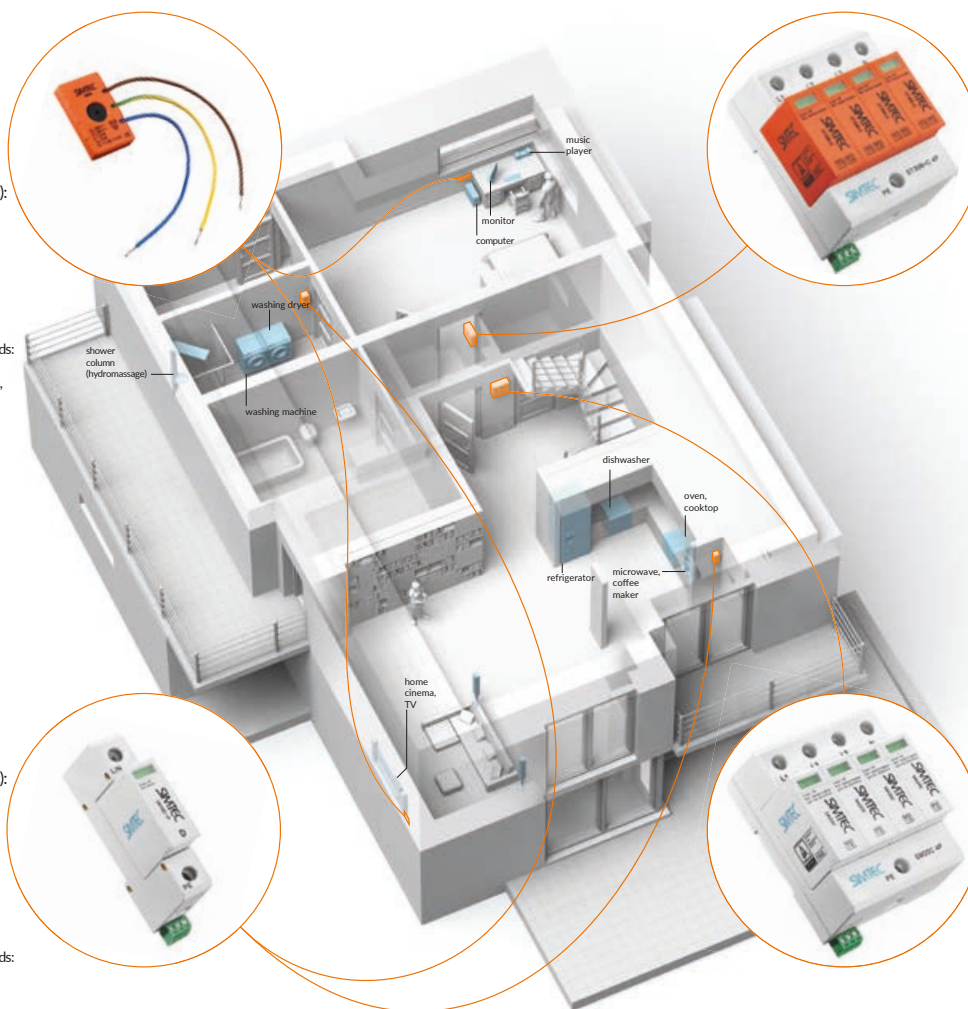
Compliance with standards:

IEC 61643-11,

E DIN VDE 0675 6-11,

CE Declaration

of Conformity



# 11

Years  
on the Polish  
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We sell  
in Poland  
and in European  
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Best value for money









Safety  
Controlled  
Production  
**Simtec**  
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ID1419044582

Varistor surge arresters hold the TUV Rheinland certificate. They are controlled in terms of quality - directly in the production process. This constitutes an additional guarantee of reliability, which in the case of products intended for protection determines the safety of people and devices.

**Electrical parameters**

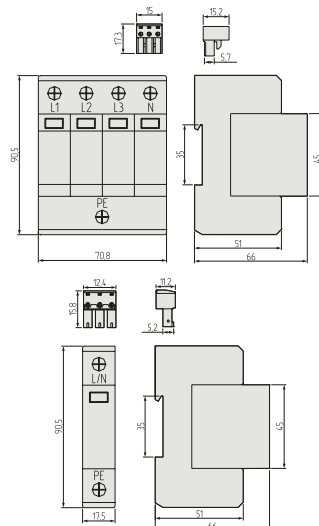
	SM20C 1P Grey	SM20C 4P Grey
		
	T2	T2
Colour   Cat. number	85 101 000	85 102 000
Rated voltage AC (U <sub>n</sub> )	230 V	230 V
Rated discharge current - 8/20 μs (I <sub>n</sub> )	20 kA	20 kA
Max. continuous operating voltage (U <sub>c</sub> )	275 V	275 V
Max. discharge current (I <sub>max</sub> )	40 kA	40 kA
Voltage protection level	≤ 1,2 kV	≤ 1,2 kV
Actuation time (t <sub>a</sub> )	≤ 25 ns	≤ 25 ns
Permissible humidity (R <sub>h</sub> )	≤ 95 %	≤ 95 %
Insulation resistance (R <sub>iso</sub> )	> 10 <sup>9</sup> MΩ	> 10 <sup>9</sup> MΩ
Max. additional Fuse (gL/gG)	125 A	125 A
Frequency (f)	40 ... 63 Hz	40 ... 63 Hz
Remote signalling of damage / contact / carrying capacity	Yes / switchable potential-free / AC 250 V / 0,5 A	Yes / switchable potential-free / AC 250 V / 0,5 A
Standard	PN-EN 61643-11 CE Declaration of Conformity	PN-EN 61643-11 CE Declaration of Conformity


**Mechanical parameters**

Cross-section of connected wires		
- stiff	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>
Housing material	ABS grey colour	ABS grey colour
Pad status indicator	optical: Green/Red	optical: Green/Red
Mounting	on TS 35 rail	on TS 35 rail
Operating temperature range (T <sub>U</sub> )	-40 °C... +85 °C	-40 °C ... +85 °C
Protection rating	IP20	IP20
Thermal disconnecter	yes	yes
Wire 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

Collective packaging		
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**SPDMM20C-275 Grey**



	T2
Colour   Cat. number	85 101 012
Application	varistor protective module for Simtec surge arresters of C class (for SM20C 1P and SM20C 4P)
Collective packaging	



Safety  
Controlled  
Production  
**Simtec**  
www.tuv.com  
ID1419047553

Varistor surge arresters hold the TUV Rheinland certificate. They are controlled in terms of quality - directly in the production process. This constitutes an additional guarantee of reliability, which in the case of products intended for protection determines the safety of people and devices.

### Electrical parameters

	ST30B+C 1P Grey	ST30B+C 4P Grey
	<b>T1 T2</b>	<b>T1 T2</b>
Colour   Cat. number		
	<b>85 202 010</b>	<b>85 201 010</b>
Rated voltage AC ( $U_n$ )	230 V	230 V
Rated discharge current ( $I_n$ ) - 8/20 $\mu$ s	30 kA	30 kA
Max. continuous operating voltage ( $U_c$ )	275 V	275 V
Max. discharge current ( $I_{max}$ )	60 kA	60 kA
Voltage protection level	$\leq 1,5$ kV	$\leq 1,5$ kV
Actuation time ( $t_a$ )	$\leq 25$ ns	$\leq 25$ ns
Permissible humidity ( $R_h$ )	$\leq 95$ %	$\leq 95$ %
Insulation resistance ( $R_{iso}$ )	$> 10^9$ M $\Omega$	$> 10^9$ M $\Omega$
Max. additional Fuse gL/gG	125 A	125 A
Frequency (f)	40 ... 63 Hz	40 ... 63 Hz
Remote signalling of damage / contact / carrying capacity	Yes / switchable potential-free / AC 250 V / 0,5 A	Yes / switchable potential-free / AC 250 V / 0,5 A
Standard	PN-EN 61643-11 CE Declaration of Conformity	PN-EN 61643-11 CE Declaration of Conformity

### Mechanical parameters

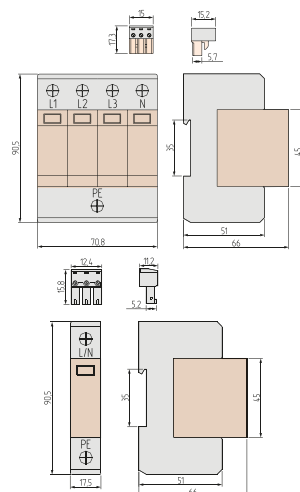
Cross-section of connected wires		
- stiff	2,5 ... 35 mm <sup>2</sup>	2,5 ... 35 mm <sup>2</sup>
- flexible	2,5 ... 25 mm <sup>2</sup>	2,5 ... 25 mm <sup>2</sup>
Housing material / Colour	ABS grey-orange colour	ABS grey-orange colour
Pad status indicator	optical: Green/Red	optical: Green/Red
Mounting	on TS 35 rail	on TS 35 rail
Operating temperature range ( $T_U$ )	-40 °C ... +85 °C	-40 °C ... +85 °C
Protection rating	IP20	IP20
Thermal disconnecter	yes	yes
Wire 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

Collective packaging		
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### STDMM30B+C-275 Orange



	<b>T1 T2</b>
Colour   Cat. number	
	<b>85 201 028</b>
Application	varistor protective module for Simtec surge arresters of B+C class (for SM30B+C 1P and SM30B+C 4P)
Collective packaging	



SM10D 1P Grey



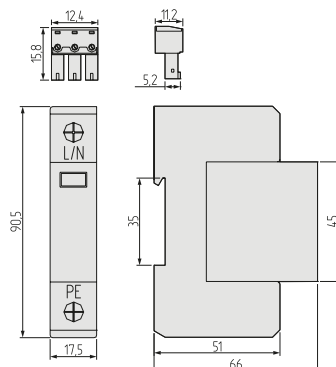
Electrical parameters

	T3
Colour   Cat. number	85 301 000
Rated voltage AC ( $U_n$ )	275 V
Rated discharge current ( $I_n$ )- 8/20 $\mu$ s	10 kA
Max. continuous operating voltage ( $U_c$ )	275 V
Max. discharge current ( $I_{max}$ )	20 kA
Voltage protection level	$\leq 1$ kV
Actuation time ( $t_A$ )	$\leq 25$ ns
Permissible humidity ( $R_h$ )	$\leq 95\%$
Insulation resistance ( $R_{iso}$ )	$> 10^9$ M $\Omega$
Max. additional Fuse gL/gG	80 A
Frequency (f)	40 ... 63 Hz
Remote signalling of damage / contact / carrying capacity	Yes / switchable potential-free / AC 230 V / 0,5 A
Standard	PN-EN 61643-11; CE Declaration of Conformity

Mechanical parameters

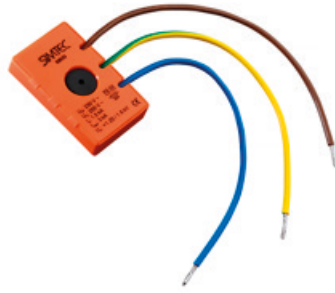
Cross-section of connected wires	
- stiff	2,5 ... 35 mm <sup>2</sup>
- flexible	2,5 ... 25 mm <sup>2</sup>
Housing material / Colour	ABS grey colour
Pad status indicator	optical
Mounting	on TS 35 rail
Operating temperature range ( $T_U$ )	-40 °C ... +85 °C
Protection rating	IP20
Thermal disconnecter	yes
Wire cross-section of remote signalling	up to 1,5 mm <sup>2</sup> solid wire, stranded wire

Collective packaging



SIMTEC

SM3D Orange



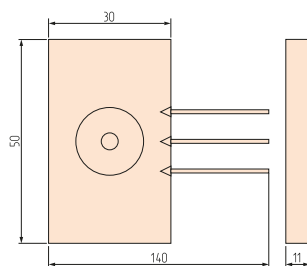
## Electrical parameters

	T3
Colour   Cat. number	85 303 000
Rated voltage AC ( $U_n$ )	230 V
Rated discharge current ( $I_n$ )- 8/20 $\mu$ s	1,5 kA
Max. continuous operating voltage ( $U_c$ )	255 V
Max. discharge current ( $I_{max}$ )	3 kA
Voltage protection level	$\leq 1,5$ kV
Actuation time ( $t_A$ )	$\leq 25$ ns
Permissible humidity ( $R_h$ )	$\leq 95\%$
Insulation resistance ( $R_{iso}$ )	$> 10^9$ M $\Omega$
Max. additional Fuse gL/gG	32 A
Frequency (f)	40 ... 63 Hz
Remote signalling of damage / contact / carrying capacity	sound signalling
Standard	PN-EN 61643-11

## Mechanical parameters

Cross-section of connected wires	
- stiff	2,5 ... 35 mm <sup>2</sup>
- flexible	2,5 ... 25 mm <sup>2</sup>
Housing material / Colour	ABS grey colour
Pad status indicator	acoustic
Mounting	in a box
Operating temperature range ( $T_U$ )	-40 °C ... +85 °C
Protection rating	IP20
Thermal disconnecter	yes
Wire cross-section of remote signalling	1

Collective packaging



Tested for lightning strike resistance according to EN 61643-11 by:



Two-stage surge arresters TYPE 1 and TYPE 2 are used to limit potentials in power supply installations due to atmospheric over voltages and to protect against internal over voltages in the power supply network. Mainly used in LV installations in facilities such as residential, office and public buildings. They are installed in cable joints or main distribution boards.

**Electrical parameters**

	T1 T2
Colour   Cat. number	85 205 003
Rated voltage systemu AC ( $U_n$ )	230 V
Impulse Current 10/350 $\mu$ s ( $I_{imp}$ )	12,5 kA
Total Impulse Current 10/350 $\mu$ s ( $I_{imp total}$ )	50 kA
Rated discharge current 8/20 $\mu$ s ( $I_r$ )	30 kA
Max. discharge current 8/20 $\mu$ s ( $I_{max}$ )	60 kA
Voltage protection level $U_p$	$\leq 1,5$ kV
Actuation time ( $t_a$ )	< 25 ns
Permissible humidity ( $R_h$ )	$\leq 95$ %
Insulation resistance ( $R_{iso}$ )	> $10^9$ M $\Omega$
Max. additional Fuse (gL/gG)	125 A
Frequency (f)	40 Hz ... 63 Hz
Remote signalling of damage / contact / carrying capacity	Yes / switchable potential-free / AC 250 V / 0,5 A
Standard	PN-EN 61643-11 CE Declaration of Conformity

**Mechanical parameters**

<b>Cross-section of connected wires</b>	
- stiff	2,5 ... 35 mm <sup>2</sup>
- flexible	2,5 ... 25 mm <sup>2</sup>
Housing material	PA 66, UL94 V0
Status indicator	optical: green (ok) / red (damaged)
Mounting	TS 35 rail
Operating temperature range	-40 °C.. +85 °C
Protection rating	IP20
Connecting fork rail	modular spacing 18 mm
Thermal disconnecter	yes
Wire cross-section of remote signalling	max 1,5 mm <sup>2</sup> (solid wire, stranded wire)

Collective packaging	
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SIMTEC



PV

The single-stage surge arresters SSV C 3P PV [T2] and the two-stage surge arresters SV B+C 3P PV [T1] [T2] are used to protect against the direct and indirect effects of lightning discharges or other transient surges. These surge arresters are intended for connection to the DC side of photovoltaic installations with a voltage range up to 1000 V. The devices include a nonlinear element (varistor) and they are designed to limit impulse voltages and reverse surge currents. They are intended only for installation on the DC side of photovoltaic generators and the DC side of inverters.

## Electrical parameters

	[T1] [T2]	[T2]
Colour   Cat. number		
	85 036 002	85 034 002
Rated voltage of photovoltaic system DC ( $U_{npv}$ )	1000 V DC	1000 V DC
Max. continuous operating voltage of photovoltaic system DC ( $U_{cpv}$ )	1060 V DC	1060 V DC
Impulse current ( $I_{imp,10/350\mu s}$ )	6,25 kA	-
Rated discharge current ( $8/20\mu s I_n$ )	20 kA	20 kA
Max. discharge current ( $8/20\mu s I_{max}$ )	40 kA	40 kA
Voltage protection level ( $U_p$ )	$\leq 4,5$ kV	$\leq 4,5$ kV
Actuation time ( $t_a$ )	< 25 ns	< 25 ns
Permissible humidity ( $R_h$ )	30 % ÷ 90 %	30 % ÷ 90 %
Insulation resistance ( $R_{iso}$ )	> $10^3$ M $\Omega$	> $10^3$ M $\Omega$
Max. additional Fuse gL/gG	160 A	125 A
Remote signalling of damage / contact / carrying capacity	Yes / switchable potential-free / AC 250 V / 0,5 A	Yes / switchable potential-free / AC 250 V / 0,5 A
Standard	PN-EN 61643-31 CE Declaration of Conformity	PN-EN 61643-31 CE Declaration of Conformity

## Mechanical parameters

Cross-section of connected wires		
- stiff	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>
Housing material	PA 66, UL94 V0	PA 66, UL94 V0
Status indicator	optical: green (ok) / red (damaged)	optical: green (ok) / red (damaged)
Mounting	on TS 35 rail	on TS 35 rail
Operating temperature range	-40 °C ... +85 °C	-40 °C ... +85 °C
Protection rating	IP20	IP20
Connecting fork rail	modular spacing 18 mm	modular spacing 18 mm
Thermal disconnecter	yes	yes
Wire 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)
Collective packaging		

NEW

SV B+C 3P






SV C 3P



SIMLIC



	LS1-F	LS3-F
		
	single-phase meter	three-phase meter
Colour   Cat. number	85 401 010	85 402 010
Nominal voltage	230 V AC	3 x 230 V / 400 V AC
Rated frequency	50 Hz	50 Hz
Number of connecting clamps	6	10
Cross-section of connecting wires	2,5 ÷ 6 mm <sup>2</sup> (main connection), min. 0,2 mm <sup>2</sup> (impulse output)	4 ÷ 25 mm <sup>2</sup> (main connection), min. 0,2 mm <sup>2</sup> (impulse output)
Operating temperature	-25 °C ... +55 °C	-25 °C ... +55 °C
Storage temperature	-40 °C ... +70 °C	-40 °C ... +70 °C
Mounting	on TS 35 rail	on TS 35 rail
Housing protection rating	IP51	IP51
Base / maximum current	5 A / 45 A	10 A / 100 A
Power consumption of the meter	≤ 2 W / 10 VA	≤ 2 W / 10 VA
Measurement accuracy	Class 1 (according to IEC62053-21); Class B EN 50470-1/3	Class 1 (according to IEC62053-21); Class B EN 50470-1/3
Digital display / accuracy	5+2 characters / 0,01 kWh	6+2 characters / 0,01 kWh
Impulse count signalling	LED	LED
Impulse output so+ so-	OC type (open collector)	OC type (open collector)
Connection voltage so+ so-	5 ÷ 27 V DC	5 ÷ 27 V DC
Prąd podłączenia so+ so-	< 27 mA DC	< 27 mA DC
Constant so+ so-	1000 imp. / kWh	1000 imp. / kWh
Power supply signalling	blinking LED	blinking LED
Dimensions A / B / C [mm]	119 / 62 / 17,5	100 / 66 / 72
Intended use	<p>LS1-F is a perfect device used as electricity submeter for a single-phase alternating current. LED informs about the reading of data by the device and shows the results on LCD screen. This meter can be connected to a calculating device. It is equipped with covers with clamps and therefore there is a possibility to seal it.</p> <p><b>Intended for direct measurement of active electrical energy, single zone.</b></p>	<p>LS3-F is a device that can be used as meter or submeter of electricity. It is used in the networks of 3-phase alternating current.</p> <p>LEDs inform about the reading of data. They switch on at moment of electricity consumption by the connected device. The LCD screen shows the results of the reading. This meter is equipped with additional impulse output and therefore, it can be connected to a calculating device. The included covers can be used to cover the clamps, as well as to seal them. LEDs light up when the load of the meter will exceed the value 0,5 A. It also includes the RESET function.</p> <p><b>Intended for direct measurement of active electrical energy, single zone.</b></p>
Collective packaging		



MID  
Measuring Instruments  
Directive

These devices are compliant with the measuring instruments directive MID no. 2004/22/EC, which has been applicable in full scope since 30.10.2016. Unification of recommendations regarding measuring devices used in the European Union created a requirement for uniform legal metrological control in the scope of type approval and initial verification. Simlic meters series holds the appropriate tests and documentation necessary for evaluation of this conformity.



SWN 3F



phase voltage indicator

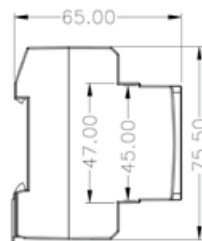
Colour   Cat. number	
	<b>85 132 012</b>
Power supply	3 x 230 V AC
Tightness	IP20
Wire connection clamps	3 x 2,5 mm <sup>2</sup> (max)
Dimensions A / B / C [mm]	18 / 90 / 64,5
Application	<ul style="list-style-type: none"> <li>Power supply voltage indicator SWN 3F is intended for signalling the presence of voltage in a three-phase network. It is mounted on a TS 35 rail.</li> <li>Each phase corresponds to one <b>LED</b>.</li> <li>In the case of phase loss, the neon lamp associated with it will turn off. At lower voltage, the lamp glows fainter and turns off completely as voltage goes out.</li> <li>Applications: low-voltage installations, intended for automatics and control systems.</li> </ul>
Collective packaging	

MRD50-16



single-phase socket 16 A

Cat. number	<b>89 066 006</b>
Standard	PN 88/E-9320
Nominal operating frequency	50 Hz
Rated voltage	250 V
Rated current	16 A
Clamps	L, N, PE
Connecting wire cross-section	1,5 ... 2,5 mm <sup>2</sup>
Protection rating	IP20
Collective packaging	5 pcs
Mounting	on TS 35 rail
Collective packaging	



Intended use:

- standard plug type C, narrow version CEE 7/16, wide version CEE 7/17,
- dual plugs type E/F

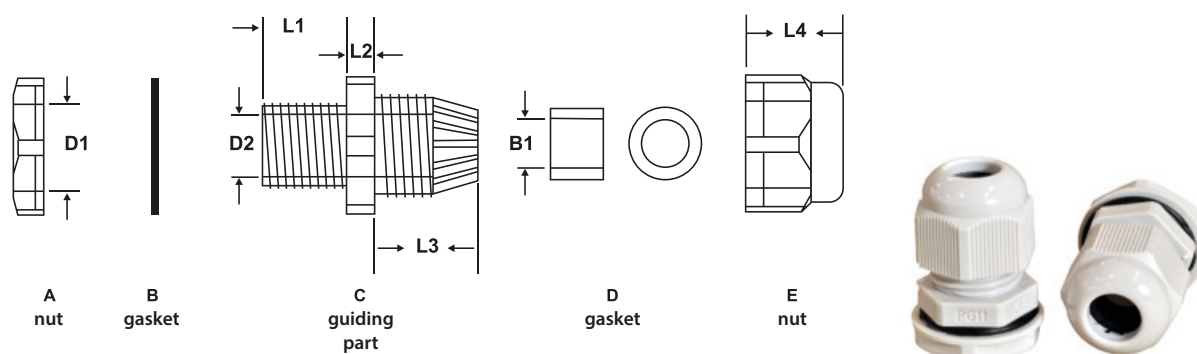




# OTHER ASSORTMENT

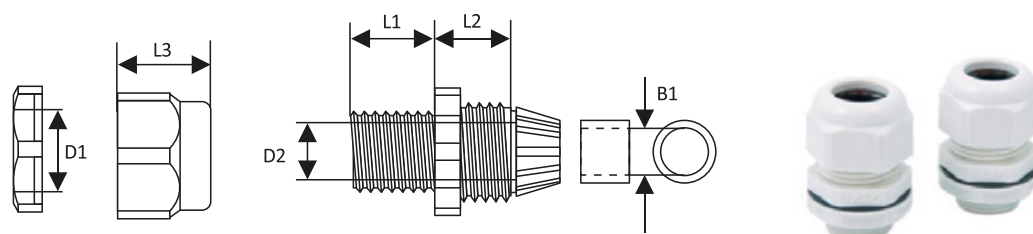
Material	Polyamide PA 66+PCV
Colour RAL	7035
Set includes	Gasket, nut
Operating temperature	-40 °C ... +85 °C (short duration up to +120 °C)
Tightness class	IP68

## Cable glands with a PG screw thread



Cat. no.	Type	d1 (mm)	d2 (mm)	l1 (mm)	l2 (mm)	l3 (mm)	l4 (mm)	B1 (mm)	Wire diameter range (mm)	Collective packaging (pcs)
89 054 002	PG-7	12,1	8,7	8,3	5,0	15,0	13,8	6,9	3,5 ... 6	50
89 055 002	PG-9	16,2	11,1	8,7	4,6	16,1	15,7	8,9	4 ... 8	50
89 056 002	PG-11	18,2	13,4	8,7	5,1	18,1	17,9	11,3	5 ... 10	50
89 057 002	PG-13,5	20,1	15,5	8,7	5,0	19,2	18,3	12,8	6 ... 12	50
89 058 002	PG-16	22,3	17,6	11,3	5,2	20,2	18,1	13,7	10 ... 14	50
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	25
89 061 002	PG-36	46,4	39,1	16,0	7,8	30,7	27,3	31,9	22 ... 32	10
89 062 002	PG-42	53,9	46,7	15,4	7,9	33,2	28,5	37,1	30 ... 38	10
89 063 002	PG-48	60,2	52,6	18,0	7,9	35,5	30,3	45,1	34 ... 44	10

## Cable glands with a MG metric screw head



Cat. no.	Type	d1 (mm)	d2 (mm)	l1 (mm)	l2 (mm)	l3 (mm)	B1 (mm)	Wire diameter range (mm)	Collective packaging (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



Indicator lights are intended for signalling the status of electric circuits. They consist of single- or two-colour LEDs with diameters of 3, 5, 10 and 20 mm, as well as resistors, diodes and bezels. They constitute an alternative solution to incandescent, neon and other lamps.

In particular, they are characterised by:

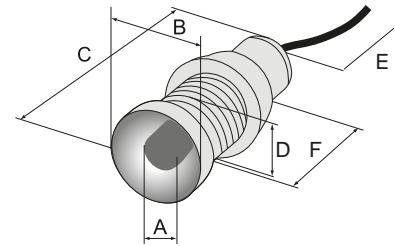
- long service life (with operation 6h/day = at least 12 years)
- high luminance
- resistance to electrical surges
- easy mounting
- low power consumption
- reliability

Protection rating IP 20. Connecting wire LGY 0.5 mm<sup>2</sup>.




It is possible to mount the indicator lights Klp 10 and Klp 20 in  $\varnothing 22.5$  mounting holes with the use of a PR 13/22 reduction pads.

There is a possibility to supply bezels in various colours (on request in orange - O, blue - B and white - W) and in metallised housings.




These indicators lights are also manufactured with alternating light colour (green-red).



- A - diode diameter
- B - housing diameter
- C - body length
- D - mounting hole diameter
- E - wire length
- F - max. thickness of mounting plate

Indicator lights*		
		
	bezel diameter $\varnothing 3$ mm	bezel diameter $\varnothing 3$ mm
Colour   Cat. number		
Green ●	84 403 005 Klp 3G/24V	84 503 005 Klp 3G/230V
Red ●	84 403 001 Klp 3R/24V	84 503 001 Klp 3R/230V
Yellow ●	84 403 004 Klp 3Y/24V	84 503 004 Klp 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 [mm]	3 / 8 / 23 / 6 / 300 / $\varnothing 8$	3 / 8 / 23 / 6 / 300 / $\varnothing 8$
Max. current/power consumption	20 mA / 1 W	5 mA / 1 W
Brightness	40-60 mcd ● 400-600 mcd ● 100-250 mcd ●	40-60 mcd ● 400-600 mcd ● 100-250 mcd ●
Notes	connecting wires in two colours	connecting wires in one colour
Collective packaging		

\*Only on request.

Indicator lights		
		
	bezel diameter $\varnothing 5$ mm	bezel diameter $\varnothing 5$ mm
Colour   Cat. number		
Green ●	84 405 005 Klp 5G/24V	84 505 005 Klp 5G/230V
Red ●	84 405 001 Klp 5R/24V	84 505 001 Klp 5R/230V
Yellow ●	84 405 004 Klp 5Y/24V	84 505 004 Klp 5Y/230V
Blue ●	84 405 003 Klp 5B/24V	84 505 003 Klp 5B/230V
Orange ●	84 405 008 Klp 5O/24V	84 274 008 Klp 5O/230V
White ○	84 405 006 Klp 5W/24V	84 505 006 Klp 5W/230V
Red-Green ●●	84 405 015 Klp 5GR/24V	84 505 015 Klp 5GR/230V
Bezel diameter	5 mm	5 mm
Voltage	12 ... 24 V AC/DC	230 V AC/DC
Dimensions		
A / B / C / D / E / F [mm]	5 / 14 / 30 / 10 / 300 / $\varnothing 8$	5 / 14 / 30 / 10 / 300 / $\varnothing 8$
Max. current/power consumption	20 mA / 1 W	5 mA / 1 W
Brightness	20-60 mcd ● 1000-1500 mcd ● 600-1000 mcd ● 40-60 mcd ● / 12-30 mcd ● / 2000-3000 mcd ○	20-60 mcd ● 1000-1500 mcd ● 600-1000 mcd ● 40-60 mcd ● / 12-30 mcd ● / 2000-3000 mcd ○
Notes	connecting wires in two colours	connecting wires in one colour
Collective packaging		

Multi-colour indicator lights have 3 supplying wires. Two in colours of glowing and third colour depending on the current: in brown colour for direct colour and black for alternating current.

## Indicator lights



	bezel diameter Ø 10 mm	bezel diameter Ø 10 mm
Colour   Cat. number		
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
Yellow-Green ●●	84 410 054 Klp 10GY/24V	
Bezel diameter	10 mm	10 mm
Voltage	12 ... 24 V AC/DC	230 V AC
Dimensions		
A / B / C / D / E / F [mm]	10 / 22 / 40 / 13 / 300 / ø 10	10 / 22 / 40 / 13 / 300 / ø 10
Max. current/power consumption	20 mA / 1 W	5 mA / 1 W
Brightness	20-70 mcd ● 800-1200 mcd ● 20-50 mcd ● 18-60 mcd ● / 40-150 mcd ● / 1000-3000 mcd ○	20-70 mcd ● 800-1200 mcd ● 20-50 mcd ● 18-60 mcd ● / 40-150 mcd ● / 1000-3000 mcd ○
Notes	connecting wires in two colours	connecting wires in one colour
Collective packaging		

**NOTE:** There is a possibility to mount the indicator lights in the mounting hole ø 2.5 with the use of PR 13/22. Multi-colour indicator lights have 3 supplying wires. Two in colours of glowing and third colour depending on the current: in brown colour for direct colour and black for alternating current.

## Indicator lights


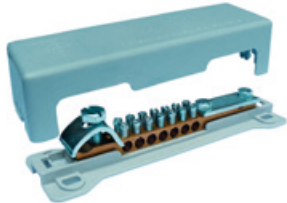





	bezel diameter Ø 20 mm	bezel diameter Ø 20 mm
Colour   Cat. number		
Green ●	84 420 005 Klp 20G/24V	84 520 005 Klp 20G/230V
Red ●	84 420 001 Klp 20R/24V	84 520 001 Klp 20R/230V
Yellow ●	84 420 004 Klp 20Y/24V	84 520 004 Klp 20Y/230V
Blue ●	84 420 003 Klp 20B/24V	84 520 003 Klp 20B/230V
Orange ●	84 420 008 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 [mm]	20 / 25 / 41 / 13 / 300 / ø 10	20 / 25 / 41 / 13 / 300 / ø 10
Max. current/power consumption	20 mA / 1 W	5 mA / 1 W
Brightness	30-60 mcd ● 60-100 mcd ● 50-190 mcd ● 80-120 mcd ● / 60-120 mcd ● / 180-200 mcd ○	30-60 mcd ● 60-100 mcd ● 50-190 mcd ● 80-120 mcd ● / 60-120 mcd ● / 180-200 mcd ○
Notes	connecting wires in two colours	connecting wires in one colour
Collective packaging		

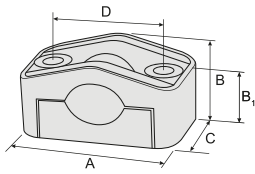
**NOTE:** There is a possibility to mount the indicator lights in the mounting hole ø 2.5 with the use of PR 13/22. Multi-colour indicator lights have 3 supplying wires. Two in colours of glowing and third colour depending on the current: in brown colour for direct colour and black for alternating current.

stainless steel  
clamp





EARTHING BANDS				
	OU-1	OU-2	OU-3	OU-4
				
	Ø 8 ... 18 mm	Ø 8 ... 50 mm	Ø 8 ... 114 mm	Ø 8 ... 165 mm
Colour   Cat. number				
Grey ●	84 300 000	84 301 000	84 302 000	84 303 000
Rated clamp cross-section	2,5 ... 16 mm <sup>2</sup>	2,5 ... 16 mm <sup>2</sup>	2,5 ... 16 mm <sup>2</sup>	2,5 ... 16 mm <sup>2</sup>
Pipe diameter range	1/8 ... 3/8" / Ø 8 ... 18 mm	1/8 ... 1 1/2" / Ø 8 ... 50 mm	1/8 ... 4" / Ø 8 ... 114 mm	1/8 ... 6" / Ø 8 ... 165 mm
Band length	136 mm	209 mm	428 mm	605 mm
Collective packaging				

EQUIPOTENTIAL STRIPS		
	SWP1	SWP2
		
	<b>25 mm<sup>2</sup> / 5x6 mm<sup>2</sup></b>	<b>50 mm<sup>2</sup> / 7x25 mm<sup>2</sup> / 30x4 mm<sup>2</sup></b>
Colour   Cat. number		
Grey ○	84 331 002	84 332 002
Rated cross-section		
Solid wire	1x25 mm <sup>2</sup> ; 5x6 mm <sup>2</sup>	1x50 mm <sup>2</sup> ; 7x6 ... 25 mm <sup>2</sup> ; 1x30x4
Current data		
Rated voltage	690 V	690 V
Rated current	101 A	76 A
External dimensions		
A / B / C [mm]	40 / 64 / 32	52 / 172 / 42
Weight	69 g	240 g
Application	Clamp adapted to solid wire connections or wires ended with the tips of H, HI type. Mounting to the substrate.	Clamp adapted to wire connections ended with cable lugs, e.g. the following types: KO, KW, KOI, LOI, KWI etc. Mounting to the substrate.
Collective packaging*		

\*Sold also in pieces.



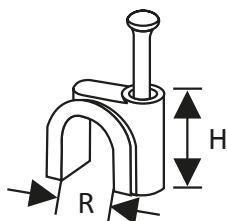
CABLE HOLDERS		
	UKR1	UKR2
		
	cable $\varnothing$ 26-46 mm	cable $\varnothing$ 45-70 mm
Colour   Cat. number		
Black ●	84 328 007	84 329 007
Cable diameter range	26 - 46 mm	45 - 70 mm
Weight	85 g	118 g
Dimensions		
A / B / B1 / C / D [mm]	98 / 47 ... 63 / 38 / 58 / 69 $\varnothing$ hole 11 mm	124 / 63 ... 91 / 44 / 58 / 93 $\varnothing$ hole 12 mm
Operating temperature	-30 °C ... +85 °C	-30 °C ... +85 °C
Additional information	cable holders for mounting wires in the control switchboards	
Collective packaging		

RAIL INSULATORS		
	SW-4	SW-8
		
	$\varnothing$ 50 mm	$\varnothing$ 60 mm
Colour   Cat. number		
White ○	84 327 006	84 288 006
Rated voltage		
	1 kV	1 kV
Dimensions		
Height	40 mm	40 mm
Lower diameter	$\varnothing$ 50 mm	$\varnothing$ 60 mm
Upper diameter	$\varnothing$ 33 mm	$\varnothing$ 40 mm
Mounting screw	M10	M12
Weight	44,6 g	67,4 g
Additional information	Rail insulators are intended for insulation of rails in the installation and distribution devices for rated voltage up to 1000 V and frequency up to 100 Hz.	
Collective packaging		



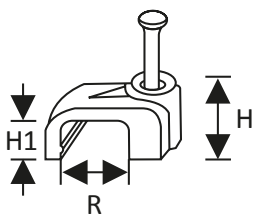
Cable holders with a FLOP type nail are made of polypropylene. They are intended for fixing cables or single cable wires with the use of hardened nails driven into a substrate.

### „O” type flops for round conductors



Cat. no.	Type	Dimensions in mm (RxH)	Wire diameter [mm]	Wire type	Collective packaging (pcs)	Colour
89 072 006	FlopO3	3,5x4,5	3,5	round	100	white
89 073 006	FlopO4	4x5,3	4	round	100	white
89 074 006	FlopO5	5x6,5	5	round	100	white
89 075 006	FlopO6	6x8,1	6	round	100	white
89 076 006	FlopO7	7x8,7	7	round	100	white
89 077 006	FlopO8	8x9,6	8	round	100	white
89 078 006	FlopO10	10x11,7	10	round	100	white
89 079 006	FlopO12	12x12,8	12	round	100	white
89 080 006	FlopO14	14x14,9	14	round	100	white
89 081 006	FlopO16	16x16,9	16	round	100	white

### „P” type flops for flat conductors



Cat. no.	Type	Dimensions in mm (RxHxH1)	Rated cross-section przewodu [mm <sup>2</sup> ]	Wire type	Collective packaging (pcs)	Colour
89 082 006	FlopP4/4	4,0x6,0x3,8	2x0,75	flat	100	white
89 083 006	FlopP6/4	6,0x6,5x4,1	2x1	flat	100	white
89 084 006	FlopP7/4,5	7,0x7,0x4,7	2x1,5	flat	100	white
89 085 006	FlopP8/5	8,0x7,5x5,0	2x2,5	flat	100	white
89 086 006	FlopP10/6	10x8,6x5,7	3x1,5	flat	100	white
89 087 006	FlopP12/6	12x9,0x6,1	3x2,5	flat	100	white

### Hammered double cable clips – UWT type



This is a clip for flat cables. It is made of polypropylene and it is intended for laying cable routes, as well as routing and parallel fixing of two flat cables. Moreover, it is also used to make the so-called spurs from the boxes.

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

### Hammered hook type clips – UWH type



This is a hook clip for round cables. It is made of polypropylene and it is used alternatively instead of flop-type cable clips. It is used in all cases, in which it is impossible to mount a clip with the use of hardened nail, but it is possible to drill a hole. Sometimes, this clip is used instead of UWO and UWP clips

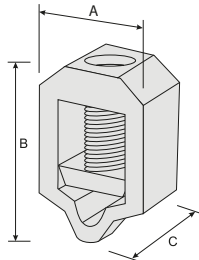
Cat. no.	Type	For cable type	Size d [mm]	Size L [mm]	Size B [mm]	Size of a drill used to make a hole for a clip [mm]	Collective packaging (pcs)	Colour
89 141 306	UWH-10	YDY (2x1 mm <sup>2</sup> ); (2x1,5 mm <sup>2</sup> ); (2x2,5 mm <sup>2</sup> ); (3x1 mm <sup>2</sup> ); (3x1,5 mm <sup>2</sup> ); (3x2,5 mm <sup>2</sup> ); (4x1 mm <sup>2</sup> )	9	45	5	5	100	white
89 142 306	UWH-16	YDY (3x6 mm <sup>2</sup> ); (4x4 mm <sup>2</sup> ); (4x6 mm <sup>2</sup> ); (5x2,5 mm <sup>2</sup> ); (5x4 mm <sup>2</sup> )	13	60	6	6	100	white

### Hammered cable clips - UWO , UWP type

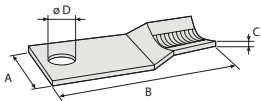


A range of hammered clips for round (UWO) or flat (OWP) cables. These products are made of polypropylene and they are usually used to fix the cables to the walls and floors. In particular, it is often used as a clip holding a cable on the wall during placement of plaster boards, drywalls or during implementation of levelling, floor etc.

Cat. no.	Type	For cable type	Size d [mm]	Size L [mm]	Size B [mm]	Size of a drill used to make a hole for a clip [mm]	Collective packaging (pcs)	Colour
89 126 306	UWO-6	6 mm <sup>2</sup>	6	31	-	5	100	white
89 127 306	UWO-8	8 mm <sup>2</sup>	8	43	-	6/7	100	white
89 128 306	UWO-10	10 mm <sup>2</sup>	10	43	33	6/7	100	white
89 129 306	UWO-12	12 mm <sup>2</sup>	12	49	35	7/9	50	white
89 130 306	UWO-14	14 mm <sup>2</sup>	14	49	32	7/9	50	white
89 131 306	UWO-16	15 mm <sup>2</sup>	15	58	40	7/9	50	white
89 132 306	UWO-18	18 mm <sup>2</sup>	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 mm <sup>2</sup>	11	43	34	6/7	100	white
89 135 306	UWP-3	YDYp 3x1,5 mm <sup>2</sup> ; 3x2,5 mm <sup>2</sup>	13	43	34	6/7	100	white
89 136 306	UWP-4	YDYp 4x1,5 mm <sup>2</sup> ; 4x2,5 mm <sup>2</sup>	16	43	34	6/7	100	white
89 137 306	UWP-5	YDYp 5x1,5 mm <sup>2</sup> ; 5x2,5 mm <sup>2</sup>	18	43	34	6/7	100	white
89 138 306	UWP-6	YDYp 5x4 mm <sup>2</sup> ; 5x6 mm <sup>2</sup>	25	43	34	8	50	white



	V-CLAMP		
	V25-120SW	V35-240SW	V2x35-240SW
	<b>120 mm<sup>2</sup></b>	<b>240 mm<sup>2</sup></b>	<b>2x240 mm<sup>2</sup></b>
Colour   Cat. number	84 341 000	84 342 000	84 343 000
Rated connectivity	sm 25 ... 120 mm <sup>2</sup> se 25 ... 120 mm <sup>2</sup> rm 16 ... 95 mm <sup>2</sup> re 16 ... 95 mm <sup>2</sup>	35 ... 185 mm <sup>2</sup> 35 ... 240 mm <sup>2</sup> 25 ... 150 mm <sup>2</sup> 25 ... 95 mm <sup>2</sup>	2 x (70 ... 240 mm <sup>2</sup> ) 2 x (95 ... 300 mm <sup>2</sup> ) 2 x (50 ... 120 mm <sup>2</sup> ) 2 x (70 ... 140 mm <sup>2</sup> )
Dimensions A / B / C [mm]	28 / 38 / 21	35 / 49 / 23	37 / 76 / 23
Rated cross-section	95 mm <sup>2</sup>	120 mm <sup>2</sup>	150 mm <sup>2</sup>
Tightening torque	20 Nm	30 Nm	30 Nm
Notes	Materials: body – aluminum alloy; clamp – galvanically tinned brass; allen screw SW 6 - galvanised steel. Application: for connecting aluminium and copper electric-power cables to the rails in distribution boards of connectors, disconnectors, fuse bases. Suitable for all types of cables (sectorial multi-wire cables - sm, sectorial single-wire cables - se, round multi-wire cables - rm, round single-wire cables - re.)		
Collective packaging			



	CONNECTION PLATE FOR V-CLAMP	
	25-120V	35-240V
	<b>120 mm<sup>2</sup></b>	<b>240 mm<sup>2</sup></b>
Colour   Cat. number	84 273 000	84 277 000
Rated connectivity		
Dimensions A / B / C / D [mm]	20 / 64 / 3 / 10	25 / 74 / 3 / 10
Material	galvanised copper	galvanised copper
Application	connection plate for the connector V25-120SW	connection plate for the connector V35-240SW, V2x35-240SW
Collective packaging		

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

**Markings:**

- 1, 2 - position - two-digit product group number
- 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-locking terminal blocks without threads
- 43 - Swivel terminal blocks
- 44 - Porcelain terminal blocks
- 3,4,5 - position - three-digit product number (unambiguous for a product of the given structure) 6,7 - position - two-digit version of a product (determining individual technical features) 8 - position - 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)

Example of determination of a catalogue number for the red terminal block ZSG1-2.5N

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



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

Simet S.A. uses the following names for its series of products:

**MULTIBOX**  
**Multiwall**

- series of multi-pole junction boxes for cavity walls.

- series of flush mounted multi-pole junction boxes.

**FASTBOX**<sup>®</sup>  
 & HOOK

- series of surface junction boxes with hook.

**SIMLIC**

- series of digital electricity meters.

**SIMTEC**

- series of varistor surge arresters.

**NowA**

- series of rail-mounted terminal blocks.

**SIMBLOCK**

- threaded rail connectors, insulated terminals and distribution blocks.

# SIMBLOCK

RAIL-MOUNTED SCREW TERMINAL BLOCKS AND DISTRIBUTION BLOCKS



| **STB**

| **SUB**

| **SCB**

| **SDB**

| **SBB**

*"Stable connections"*

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