

ENVIRONMENTAL PROTECTION

Disposal of distribution blocks is carried out by delivering them to organizations that collect and recycle plastics, non-ferrous metals and ferrous metals.



WARRANTY

The warranty period of the distribution block is 2 years from the date of sale, subject to compliance with the rules of use, transport and storage. In the event of the distribution block malfunction, please contact the seller.

STANDARDS

- EN 60947-1
- EN 60947-7-1
- EN 60947-7-2
- LVD 2014/35/EU



SIMET S.A.
Al. Jana Pawła II 33
58-506 Jelenia Góra

Modular distribution blocks ShNK



PURPOSE OF MODULAR DISTRIBUTION BLOCKS ShNK

Modular distribution block is used to distribute power between switchgear circuits and allows for proper routing and wire ordering. It is designed for electrical and mechanical connection of wires in circuits with a rated voltage of 230 / 400 V AC. The distribution block allows the connection of rigid and flexible copper wires. It is used to connect phase conductor (L), neutral conductor (N), protective conductor (PE) or protective-neutral conductor (PEN).

INSTALLATION

The device should be installed in accordance with the regulations in force in a given country. When installing the device, the instructions included in the attached manual and the markings on the device should be followed. Do not use the device in conditions and with parameters differing from those presented in the manual. Please read the instructions before installing. The installation of the block should be performed by a qualified person. If the SHnK is used as a protective terminal block, the electrical connection to the conductive elements of the switchgear must be made and marked in green and yellow.

Before the installation it is required to:

- make sure that the connected cables are voltage-free
- make sure the distribution block is not damaged, deformed and that there are no missing components.



Installation by qualified personnel is recommended



Mounting on TS 35 rail

INSTALLATION AND SAFETY INSTRUCTIONS

- use only insulated tools to operate the device;
- do not install the product in potentially explosive areas or in areas where it will be exposed to dust, oil mist, mold or insects;
- make sure that the connection cables have the correct cross-section and are properly insulated;
- before applying voltage for the first time, make sure that the cables are connected to the appropriate mounting clamps of the distribution block;
- after installation, attach the cover;
- touching the mounting clamps of the distribution block or the insulated cables with bare hands, metal objects or other conductive objects poses the risk of electric shock;
- the distribution block should be protected against falling and mechanical impacts.

TECHNICAL DATA

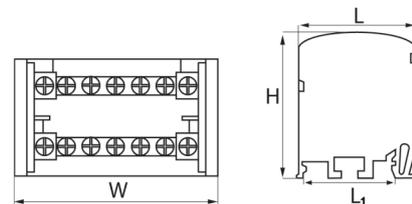
Specification	ShNK 2x7	ShNK 2x11	ShNK 2x15	ShNK 4x7	ShNK 4x11	ShNK 4x15	ShNK 4x13
Quantity and hole diameter	5 x \varnothing 5,5 mm 2 x \varnothing 7,5 mm	7 x \varnothing 5,5 mm 2 x \varnothing 7,5 mm 2 x \varnothing 8,5 mm	11 x \varnothing 5,5 mm 2 x \varnothing 7,5 mm 2 x \varnothing 8,5 mm	5 x \varnothing 5,5 mm 2 x \varnothing 7,5 mm	7 x \varnothing 5,5 mm 2 x \varnothing 7,5 mm 2 x \varnothing 8,5 mm	11 x \varnothing 5,5 mm 2 x \varnothing 7,5 mm 2 x \varnothing 8,5 mm	8 x \varnothing 7,5 mm 4 x \varnothing 9 mm 1 x \varnothing 12 mm
Number of tracks	2			4			
Nominal cross-section of flexible connected cables [mm ²]	1,5 ... 6 6 ... 16	1,5 ... 6 6 ... 16 10 ... 16	1,5 ... 6 6 ... 16 10 ... 16	1,5 ... 6 6 ... 16	1,5 ... 6 6 ... 16 10 ... 16	1,5 ... 6 6 ... 16 10 ... 16	6 ... 16 10 ... 16 25 ... 35
Nominal cross-section of rigid connected cables [mm ²]	2,5 ... 6 10 ... 25	2,5 ... 6 10 ... 25 10 ... 35	2,5 ... 6 10 ... 25 10 ... 35	2,5 ... 6 10 ... 25	2,5 ... 6 10 ... 25 10 ... 35	2,5 ... 6 10 ... 25 10 ... 35	10 ... 25 10 ... 35 35 ... 50
Rated current I _n	125 A 40 °C						160 A 40 °C
Rated insulation voltage AC U _i	500 V						
Peak withstand current I _{pk}	20 kA						
Set screw - bolt						M6	
Tightening torque	2 Nm					2,5 Nm	

Performance characteristics

Maximum relative ambient humidity (R _n)	≤90 %
Operating temperature	-25 °C ... +40 °C
Material	cover - PC, shell - PA, terminal - brass
Protection level	IP20
The ambient air must not be contaminated with dust, smoke, oil. Workspace should be free of corrosive gases.	

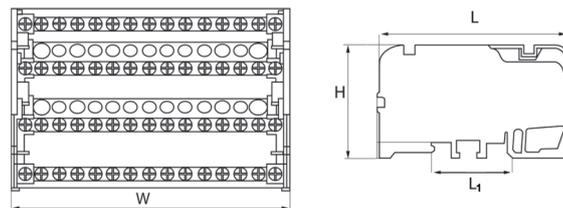
Distribution blocks should be stored and transported under the conditions that meet performance criteria.

EXTERNAL DIMENSIONS



	ShNK 2x7	ShNK 2x11	ShNK 2x15
W / H / L / L1 [mm]	65,5 / 51 / 41 / 35	100 / 51 / 41 / 35	133 / 51 / 41 / 35

Drawing 1. External dimensions of ShNK 2x7, 2x11, 2x15



	ShNK 4x7	ShNK 4x11	ShNK 4x13	ShNK 4x15
W / H / L / L1 [mm]	65,5 / 50 / 84 / 35	100,2 / 50 / 84 / 35	182,4 / 73,5 / 137,5 / 35	132 / 50 / 84 / 35

Drawing 2. External dimensions of ShNK 4x7, 4x11, 4x13, 4x15