

Low voltage fuse-rails

NV fuse-rail sizes 00, 1, 2, 3

Characteristics of LV NV fuse-rails

The LV NV fuse-rails are 3-pole bases of LV fuse-links, intended for busbar mounting. The LV NV fuse-rails comprises three single-pole connections in one unit. Each contact at an individual phase is connected to the phase on the busbar system. The other contacts are fitted with cable connecting terminals or intended for attachment of the following busbar system.

Use

The LV NV fuse-rails are mainly used for cable distribution and power supply systems.

Principle of operation

The LV NV fuse-rails are intended for insertion of LV fuse-links that are inserted and removed from the LV NV fuse-rails by means of a special handle (refer to Catalogue ETI - LV fuse-links, code number 4941111 and 4941100).

Design of LV NV fuse-rails

The insulated supporting body is made of one piece, the material is polyester reinforced with glass fibres. A silver-plated contact system, fitted with tinned extinction chambers, ensures a low power dissipation, optimum thermal characteristics, and a high breaking capacity. The contact derived parts are intended for cable connections or for attachment of the next busbar system. All the live parts are protected against accidental contacts - in conformity with BVG A2. A special form of the contact part cover provides for safe insertion and removal of the LV fuse-links.

Short description

The LV NV fuse-rails are manufactured in compliance with the DIN 43623 standard, and are mostly used for installation into cable distribution cabinets and power supply systems.

They are available in sizes of 00/160 A to 3/630 A. Covers provide insulation protection for all live parts.

All the LV NV fuse-rails are fitted with new, modern Delta contact systems allowing optimum pressure contact between the fuse cartridge and the LV NV fuse-rails, resulting in extremely low level of power dissipation and heating-up.

All standard insulated LV NV fuse-rails shown in the Catalogue are intended for general usage.

Upon request appropriate individual configurations can be designed - in such cases please contact our sales engineers, or call us to the factory.

Advantages

- upper or lower cable connection - as required
- optimum pull contact
- simple installation
- modular design



busbar connection

busbar support



busbar covering



protection covering of contact connections

General LV NV fuse-rail table

size	code No.	busbar system	product designation	connection description	protection cover	weight [kg]	packaging [pcs]
00	001691015	100	VL00/100 M8-2	flat connection – screw M8	/	0,8	1/1
00	001691016	100	VL00/100 SP:95-2	prism 35 - 95 mm ²	/	0,8	1/1
00	001691020	185	VL00 M8	flat connection – screw M8	/	1,5	1/1
00	001691021	185	VL00 SP:95	V-clip 10-95 mm ²	/	1,5	1/1
1	001691024	185	VL1 M10	screw M10	terminal compartment cover	3,5	1/1
1	001693024	185	VL1G M10	screw M10	terminal compartment cover	3,5	1/1
1	001691025	185	VL1 SP:300	V-clip 25-300 mm ²	terminal compartment cover	3,5	1/1
1	001693025	185	VL1G SP:300	V-clip 25-300 mm ²	terminal compartment cover	3,5	1/1
2	001691022	185	VL2 M12	screw M12	terminal compartment cover	3,8	1/1
2	001693022	185	VL2G M12	screw M12	terminal compartment cover	3,8	1/1
2	001691023	185	VL2 SP:300 P	V-clip 25-300 mm ²	terminal cover	3,8	1/1
2	001693031	185	VL2G SP:300	V-clip 25-300 mm ²	terminal compartment cover	3,8	1/1
2	001691026	185	VL2 SP:240	V-clip 25-240 mm ²	terminal compartment cover	3,8	1/1
2	001693026	185	VL2G SP:240	V-clip 25-240 mm ²	terminal compartment cover	3,8	1/1
2	001691029	185	VL2 M12x35	screw M12x35	terminal compartment cover	3,8	1/1
2	001693029	185	VL2G M12x35	screw M12x35	terminal compartment cover	3,8	1/1
2	001691030	185	VL2 SP:240 P	V-clip 25-240 mm ²	terminal cover	3,8	1/1
2	001691031	185	VL2 SP:300	V-clip 25-300 mm ²	terminal compartment cover	3,8	1/1
3	001691027	185	VL3 M12	screw M12	terminal compartment cover	4,3	1/1
3	001691028	185	VL3 SP:300	V-clip 25-300 mm ²	terminal compartment cover	4,3	1/1

Table of accessories for LV NV fuse-rails

type	code No.	description	packaging [pcs]
busbar connection KS 00/5-10	001691040	busbar thickness 5-10mm	1/3
busbar connection KS 00/10-15	001691041	busbar thickness 10-15mm	1/3
busbar connection KS 123/10	001692460	busbar thickness 10mm	1/3
protection covering of contact connections ZP 123/10HA	001691045	for sizes 1,2,3	1/1
busbar covering PZ 00/185	001691046	mounting thread M8	1/1
busbar covering PZ 00/100	001691047	mounting thread M8	1/1
busbar covering PZ 123/185	001691048	mounting thread M12	1/1
busbar support PP 100/185	001691055	for busbar system 100 mm and 185 mm	1/1

Busbar connection

Busbar connections are used for drill-free direct contacting of the strip-fuseways on the busbars.

Protection cover

The terminal compartment and terminal covers provide probe-safe frontal protective covering of the terminal compartment.

Busbarcover, screw-type

The screw-type covers of 100 mm width are fixed at busbars with M12 thread or stud. The covers of 50 mm width are fixed on busbars or adapters with M8 thread.

Busbar support

The 3-pole busbar support is used for the fixing of flat bars at 100 mm and 185 mm distances.