

SL1-M275

SL1-M Surge Protector

The SL1-M is a low energy surge protector designed to protect low voltage AC and DC circuits where a compact and economical surge protector is required. The SL1-M can be used to protect single wire circuits as well as paired circuits and can be connected from line to line and line to ground. Applications such as caravans, RV's, boats, holiday homes and low voltage solar installations as well as back EMF protection for relays and contactors in low energy situations.

Models

The SL1-M comes in a range of voltages to suit common system applications.

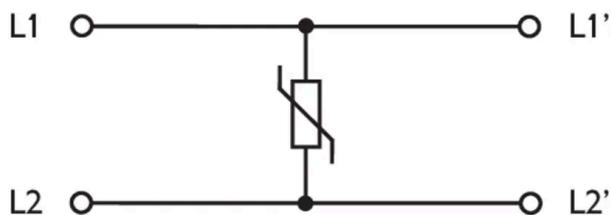
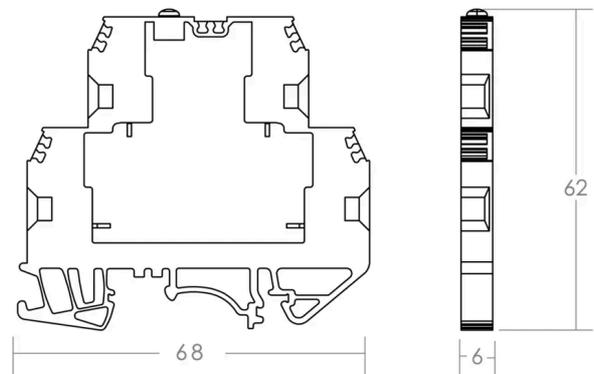
Compact housing

The SL1-M has universal DIN/G rail mountings and is only 6mm thick allowing it to be retrofitted easily to already crowded mounting rails.



Image for illustrative purposes only

The colour of the grommets will change starting from 2026. All phases will be black, neutral will be black, and earth will be green

Wiring**Dimensions**

Product Datasheet

Electrical Specifications

Connection type		Series
Modes of protection		L-L
Number of ports		2
Number of phases		1
Location		Indoor
Nominal voltage	U_0	230VAC
Short circuit withstand level	I_{SCCR}	25kA

Electrical (L-L) Specifications

Maximum load current	I_L	6A
Maximum continuous voltage AC	U_C	275VAC
Maximum continuous voltage DC	U_C	350VDC
Maximum discharge current (8/20 μ s)	I_{max}	20kA
Nominal discharge current (8/20 μ s)	I_n	10kA
Voltage protection level (3kA 8/20 μ s)	U_p	<800V
Response time	t_A	Instantaneous

Mechanical Specifications

Minimum operating temperature		-25°C
Maximum operating temperature		70°C
Mounting method		Universal TS32 and TS35 rail
Environmental rating		IP20
Enclosure material		PA66
Enclosure finish		Black
Terminal type		Steel screw cage clamp with slotted head
Terminal capacity - power		2.5mm ²
Terminal screw torque - power		0.4Nm
Length		68mm
Width		6mm
Height		62mm
Dimensional tolerance		0.5mm

Standard Specifications

IEC 61643-11	SPD connected to low-voltage power systems - Type 2, 3
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Shipping Specifications

Weight		25g
Customs tariff		85363000, 85363010

Other Specifications

Product Code		SL1-M275
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