

SL1-G90

SL1-G Signal Surge Protector

The SL1-G90 is designed to protect the screens or shields of signal cables where the SPD used does not provide this function internally. The SL1-G90 can be used in conjunction with an SPD to provide protection to the screen/shield if they are not earthed. SPD's such as the Novaris SL4, SL2 and SSP ranges are such devices where the SL1-G90 can be beneficial for screened cables.

Zero earth leakage

The SL1-G90 has zero earth leakage under normal operating conditions and so will not introduce unwanted ground loops and interference.

Compact housing

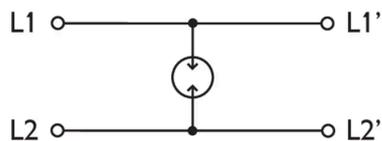
The SL1-G90 has universal DIN/G rail mountings and is only 6mm thick allowing it to be retrofitted easily to already crowded mounting rails.



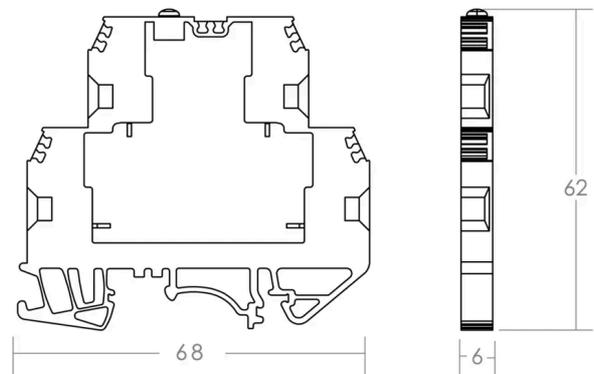
Image for illustrative purposes only

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
Number of lines		1 line
Modes of protection		Transverse and Common
Maximum continuous voltage (DC)	U_c	60V
Maximum continuous voltage (AC)	U_c	90V
Maximum discharge current (8/20 μ s)	I_{max}	5kA
Impulse durability C2 10x8/20 μ s		5kA
Impulse durability D1 2x10/350 μ s		2.5kA
Maximum load current	I_L	6A
AC durability 5x1s		1A rms
Overstressed fault mode		Mode 3
Response time	t_A	<5ns
Line resistance		0.2 Ω

Electrical (L-L) Specifications

Voltage protection level @ 1 kV/ μ s	U_p	450V
Voltage protection level @ 3 kA 8/20 μ s	U_p	650V
Capacitance	+/-	≤ 0.3 pF

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		2.5mm ²
Terminal screw torque		0.4Nm
Length		68mm
Width		6mm
Height		62mm
Dimensional tolerance		0.5mm

Standard Specifications

IEC 61643-21	SPD connected to telecommunications and signalling networks - Cat C2, D1
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Shipping Specifications

Weight		25g
Customs tariff		85363000, 85363010

Other Specifications

Product Code		SL1-G90
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