

SL1-T36

SL1-T Signal Surge Protector

The SL1-T is a low energy surge protector designed to protect low voltage AC and DC signalling/control circuits where a compact and economical SPD is required. The SL1-T is a low energy fast acting surge protector designed to protect single wire circuits as well as paired circuits and can be connected from line to line and line to ground. It is suitable for low exposure installations using signalling lines with DC or low frequency AC signalling voltages such as alarm systems, access control systems, intercoms and other industrial control systems that require an economical and low energy surge protector.

Models

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

Compact housing

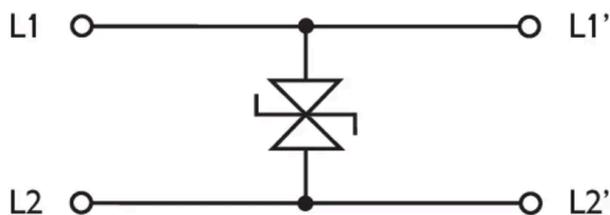
The SL1-T has universal DIN/G rail mountings and is only 6mm thick allowing it to be retrofitted easily to already crowded mounting rails.



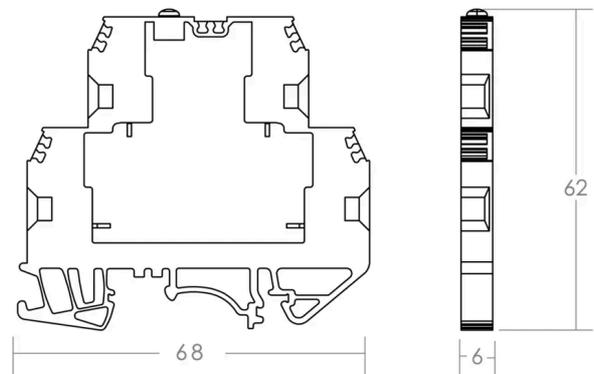
Image for illustrative purposes only

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	34V
Maximum continuous voltage (AC)	U_c	24V
Maximum discharge current (8/20 μ s)	I_{max}	5kA
Maximum common mode discharge current (8/20 μ s)		10kA
Maximum discharge current (10/350 μ s)	I_{imp}	1.25kA
Maximum common mode discharge current (10/350 μ s)	I_{imp}	2.5kA
Impulse durability C2 10x8/20 μ s		5kA
Impulse durability D1 2x10/350 μ s		2.5kA
Maximum load current	I_L	30mA
AC durability 5x1s		1A rms
Overstressed fault mode		Mode 3
Response time	t_A	<5ns
Line resistance		0.2 Ω
Insertion loss @ 150 Ω		<0.5dB @ <1MHz
3 dB Frequency @ 150 Ω		60MHz

Electrical (L-L) Specifications

Voltage protection level @ 1 kV/ μ s	U_p	50V
Voltage protection level @ 3 kA 8/20 μ s	U_p	50V
Voltage protection level @ 100 V/ s		36V
Capacitance	$- +$	<20pF

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
--------------	--

Shipping Specifications

Weight		25g
Customs tariff		85363000, 85363010

Other Specifications

Product Code		SL1-T36
--------------	---	---------