

SLD1-18-2



SLD - Signal Line Protectors

SLD Signal Line Protectors are designed to protect the most sensitive electronic equipment in lightning intense environments. So they are ideal for the protection of PLC's, fire and security systems, railway signalling and SCADA equipment.

Multistage Transient Protection

Models featuring multistage transient protection deliver greater levels of protection through a staged approach. The primary stage absorbs the majority of the surge energy. The remaining stages provide accurate clamping and a degree of redundancy.

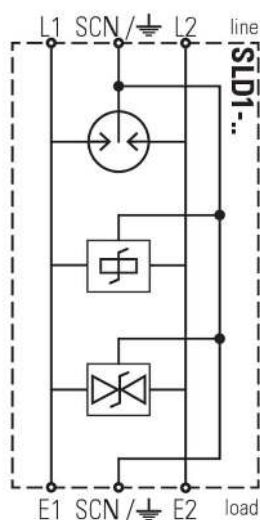
Surge Current Fusing

Surge current fuses allow components to absorb maximum energy but in the event of a component failure the fuse will open to isolate the damaged component.

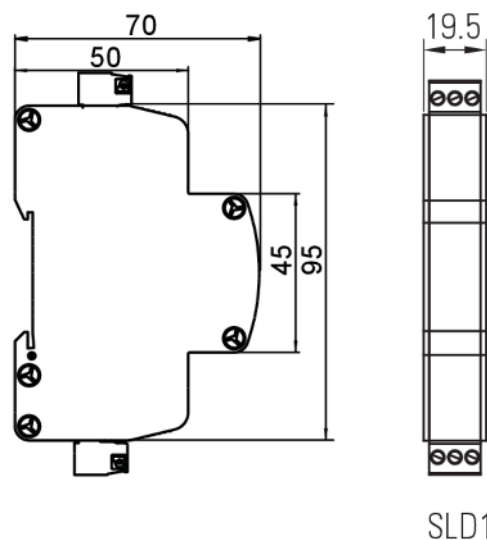
Safe Metal Enclosure

Novaris surge protection products are housed in safe, all metal enclosures. In the event of a prolonged overvoltage they will not catch fire or explode.

Wiring



Dimensions








Standards

IEC 61643-21:2012	SPD connected to telecommunications and signalling networks - Cat C2, D1
AS/NZS 1768:2007	Signalling/Telecommunications surge protection
UL 1449 3rd edition & UL 497B	Protectors for data communications and fire-alarm circuits
ITU-T K.44: 2012	Resistibility tests for telecommunication equipment exposed to overvoltages and overcurrents
AS/CA S008:2010	Requirements for Customer Cabling Products
AS/NZS 4117:1999	Surge Protective Devices for Telecommunications Applications

Product Datasheet

Electrical Specifications

Connection type		Series
Number of lines		1 pair
Modes of protection		Transverse and Common
Maximum continuous voltage (DC)	U_c	18V
Maximum continuous voltage (AC)	U_c	12V
Maximum discharge current (8/20 μ s)	I_{max}	10kA
Maximum common mode discharge current (8/20 μ s)		20kA
Maximum discharge current (10/350 μ s)		1.25kA
Maximum common mode discharge current (10/350 μ s)	I_{imp}	2.5kA
Impulse durability C2 10x8/20 μ s		10kA
Impulse durability D1 2x10/350 μ s		2.5kA
Maximum load current	I_L	2A
AC durability 5x1s		1Arms
Overstressed fault mode		Mode 3
Response time	t_A	<5ns
Line resistance		8.2 Ω
Insertion loss @ 150 Ω		<0.5dB
3 dB Frequency @ 150 Ω		460kHz

Shipping Specifications

Weight		250g
Customs tariff		85363000














Electrical (L-L) Specifications

Voltage protection level @ 1 kV/ μ s	U_p	25V
Voltage protection level @ 3 kA 8/20 μ s	U_p	25V
Voltage protection level @ 100 V/ s		20V
Capacitance	$- +$	4nF

Electrical (L-PE) Specifications

Voltage protection level @ 1 kV/ μ s	U_p	350V
Voltage protection level @ 3 kA 8/20 μ s	U_p	600V
Voltage protection level @ 100 V/ s		230V
Capacitance	$- +$	4nF

Mechanical Specifications

Minimum operating temperature		-40°C
Maximum operating temperature		70°C
Minimum operating humidity		5%
Maximum operating humidity		95%
Mounting method		TS35 DIN Rail
Environmental rating		IP20
Enclosure material		Aluminium
Enclosure finish		Black powdercoat
Terminal type		Cage clamp
Terminal capacity		2.5mm ²
Terminal screw torque		0.5Nm
Earthing		Direct
Length		95mm
Width		20mm
Height		70mm

Other Specifications

Product Code		SLD1-18-2
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