SLD1-485



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

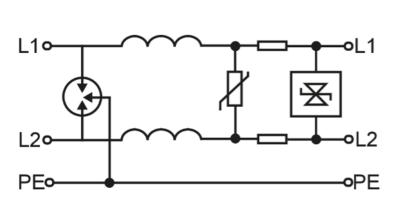
Surge current fuses allow components to absorb maximum energy but in the event of a component failure the fuse will open to isolate the damaged component.

Safe Metal Enclosure

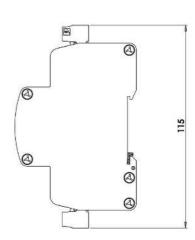
Novaris surge protection products are housed in safe, all metal enclosures. In the event of a prolonged overvoltage they will not catch fire or explode.

Dimensions

Wiring



18



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

TU-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

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Novaris

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Product Datasheet

Electrical Specifications

Connection type	¥	Series
Number of lines	≔	1 pair
Modes of protection	þ	Transverse and Common
Maximum continuous voltage (DC)	U _c	8V
Maximum continuous voltage (AC)	U _c	6V
Maximum discharge current (8/20 μs)	l _{max}	10kA
Maximum common mode discharge current (8/20 μs)		20kA
Maximum discharge current (10/350 μs)		1.25kA
Maximum common mode discharge current (10/350 μs)	l _{imp}	2.5kA
Impulse durability C2 10x8/20µs		10kA
Impulse durability D1 2x10/350µs		2.5kA
Maximum load current	I _L	500mA
AC durability 5x1s		1Arms
Overstressed fault mode		Mode 3
Response time	t _A	<5ns
Line resistance	- WV-	3.9Ω
Line inductance		1μΗ
Insertion loss @ 150 Ω	.al	<0.5dB @ <50MHz
3 dB Frequency @ 150 Ω		100MHz

Electrical (L-L) Specifications

Voltage protection level @ 1 kV/ μs	U _p	19V
Voltage protection level @ 3 kA 8/20 µs	U _p	14V
Voltage protection level @ 100 V/ s		10V
Capacitance	⊣⊢	19pF

Electrical (L-PE) Specifications

Voltage protection level @ 1 kV/ μs	U _p	19V
Voltage protection level @ 3 kA 8/20 µs	U _p	14V
Voltage protection level @ 100 V/ s		10V
Capacitance	H۲	25pF

Mechanical Specifications

Minimum operating temperature	P	-40°C
Maximum operating temperature	ı	70°C
Minimum operating humidity	%	5%
Maximum operating humidity	•	95%
Mounting method	₽ C	TS35 DIN Rail
Environmental rating	ŵ	IP20
Enclosure material	•	Aluminium
Enclosure finish	•	Black powdercoat
Terminal type		Screw cage
Terminal capacity	0	2.5mm²
Terminal screw torque	G	0.5Nm
Earthing		Direct
Length	2	115mm
Width	↔	18mm
Height	1	70mm

Other Specifications

Product Code SLD1-485

Shipping Specifications
Weight 250g

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