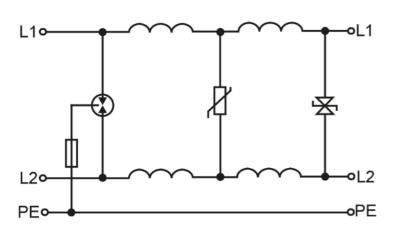
SLD1-MPU9



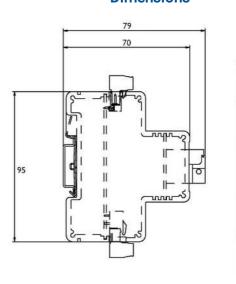
MPU protector

Novaris' range of MPU signal line protectors has been developed in consultation with signalling engineers, project managers and maintenance providers of SSI, VPI and other signalling equipment, in Australia and overseas. Each protector is designed to provide the highest level of surge immunity for the connected equipment with minimum impact on normal system operation. Surges and transients appearing on signal lines pose a serious threat to the reliability of any railway electronic signalling system. Damage caused by the effects of lightning and switching transients frequently leads to malfunction or total shutdown of the system as well as large repair costs. In critical applications such as railway signalling, the consequences of such damage can be catastrophic. The circuits are configured so that any component failure, within or external to the protector, will not compromise the operational safety of the signalling system and will not produce any wrong side failures.

Wiring



Dimensions



Standards

IEC 61643-21:2012 AS 7708:2017 AS/NZS 1768:2007 CE SPD connected to telecommunications and signalling networks Signal Earthing and surge protection Lightning protection

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Novaris

Electrical Specifications

Connection type	¥	Series
Number of lines	≔	1 pair
Modes of protection	'n	Transverse, Common
Maximum continuous voltage (DC)	U _c	32V
Maximum continuous voltage (AC)	U _c	22V
Maximum discharge current (8/20 μs)	l _{max}	10kA
Maximum common mode discharge current (8/20 μs)		20kA
Maximum load current	I,	2A
AC durability 5x1s		1Arms
Response time	t _A	<5ns

Electrical (L-L) Specifications

Voltage protection level @ 1 kV/ µs	U _p	45V
Voltage protection level @ 3 kA 8/20 μ s	$\mathbf{U}_{\mathbf{p}}$	40V
Voltage protection level @ 100 V/s		22V

Electrical (L-PE) Specifications

Voltage protection level @ 1 kV/ μs	U _p	350V
Voltage protection level @ 3 kA 8/20 µs	U _p	600V
Voltage protection level @ 100 V/ s		230V

Mechanical Specifications

Minimum operating temperature	P	-40°C
Maximum operating temperature	ı	85°C
Minimum operating humidity	%	5%
Maximum operating humidity	&	95%
Mounting method	Æ	TS35 DIN Rail
Environmental rating	ŵ	IP20
Enclosure material	•	Aluminium
Enclosure finish	•	Black powdercoat
Terminal type		Screw cage
Terminal screw torque	G	0.6Nm
Earthing		Direct

Other Specifications

Product Code SLD1-MPU9

Shipping Specifications

Weight **a** 200g

