

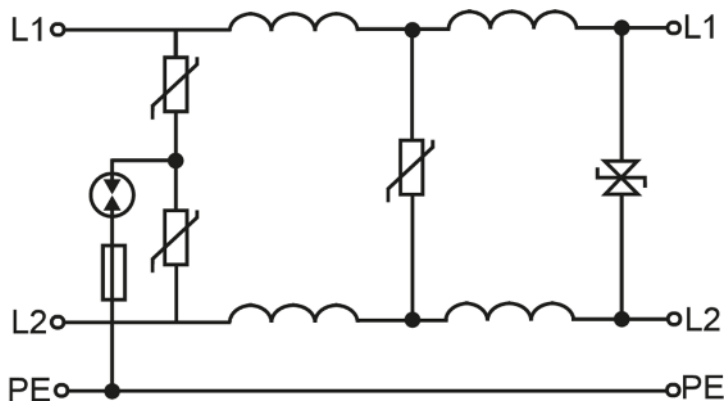
SLD1-MPU18



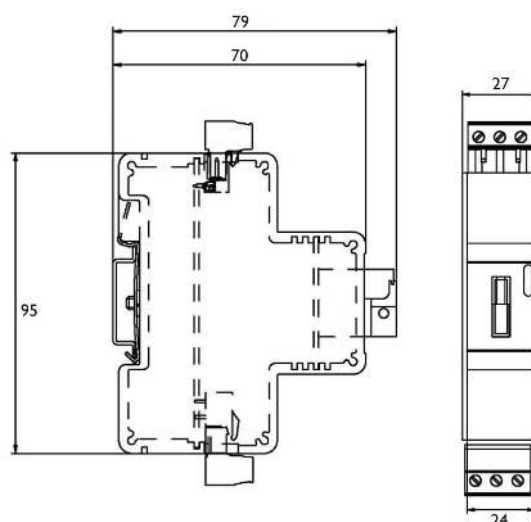
MPU protector

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

Product Datasheet

Electrical Specifications

Connection type		Series
Number of lines		1 pair
Modes of protection		Transverse, Common
Maximum continuous voltage (DC)	U_c	52V
Maximum continuous voltage (AC)	U_c	36V
Maximum discharge current (8/20 μ s)	I_{max}	10kA
Maximum common mode discharge current (8/20 μ s)		20kA
Maximum load current	I_L	2A










Electrical (L-L) Specifications

Voltage protection level @ 1 kV/ μ s	U_p	65V
Voltage protection level @ 3 kA 8/20 μ s	U_p	60V
Voltage protection level @ 100 V/ s		36V

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

Mechanical Specifications

Minimum operating temperature		-40°C
Maximum operating temperature		85°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		Screw cage
Terminal screw torque		0.6Nm
Earthing		90V isolation

Other Specifications

Product Code		SLD1-MPU18
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Shipping Specifications

Weight		200g
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