

SLD1-MPU9

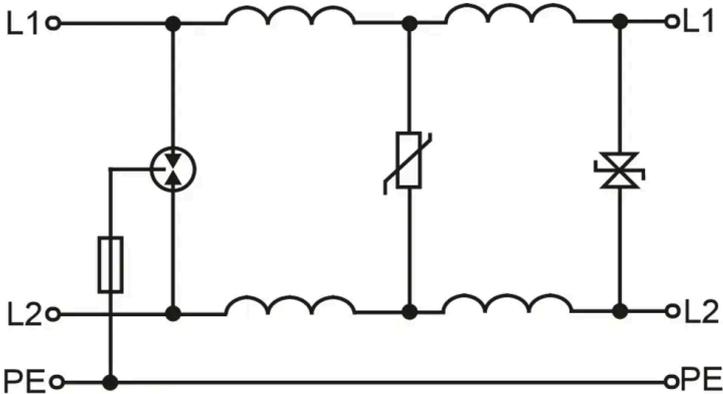
MPU protector

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.

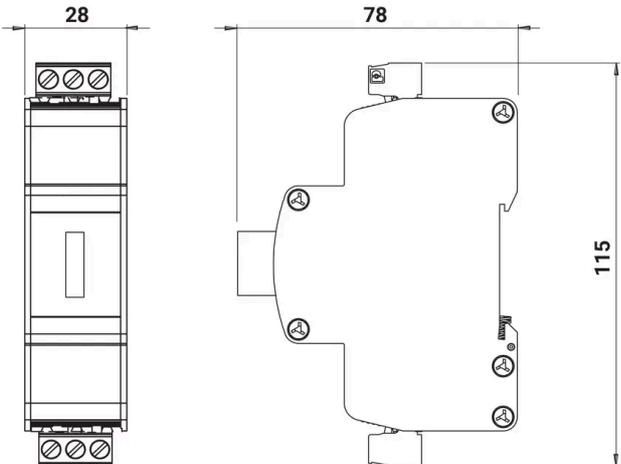


Image for illustrative purposes only

Wiring



Dimensions



Product Datasheet

Electrical Specifications

Connection type		Series
Number of lines		1 pair
Modes of protection		Transverse, Common
Maximum continuous voltage (DC)	U_c	32V
Maximum continuous voltage (AC)	U_c	22V
Maximum discharge current (8/20 μ s)	I_{max}	10kA
Maximum common mode discharge current (8/20 μ s)		20kA
Impulse durability C2 10x8/20 μ s		10kA
Maximum load current	I_L	2A
AC durability 5x1s		1A rms
Response time	t_A	<5ns
Line resistance		0.2 Ω
Earthing		Direct

Electrical (L-L) Specifications

Voltage protection level @ 1 kV/ μ s	U_p	45V
Voltage protection level @ 3 kA 8/20 μ s	U_p	40V
Voltage protection level @ 100 V/ s		22V

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

Standard Specifications

IEC 61643-21	SPD connected to telecommunications and signalling networks - Cat C2
AS 7708	Signals Earthing and Surge Protection
AS 1768	Lightning protection

Shipping Specifications

Weight		200g
Customs tariff		85363000, 85363010

Other Specifications

Product Code		SLD1-MPU9
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