

ISP2-16-10-50

ISP2 Series Surge Protectors

Novaris ISP2 series connected surge protectors are designed for low voltage AC and DC power circuits up to 16A. They provide excellent performance for both isolated and non-isolated supplies in a compact package offering all mode protection

Compact Design

Their compact design makes them an ideal choice for space restricted applications.

All Mode Protection

Protection is provided for all combinations of lines (L1-L2, L1-PE, L2-PE) ensuring the maximum level of protection is achieved at all times.

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.

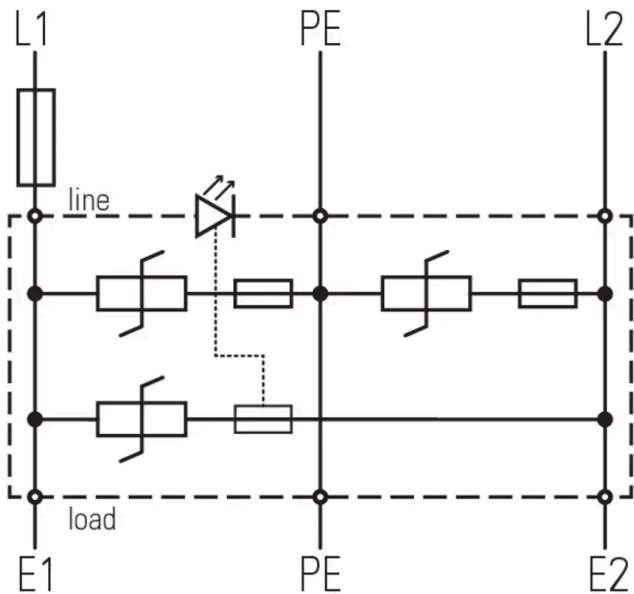
Installation Independent Performance

Series surge protectors house the shunt (parallel) connection of the protection components internally within the device. This reduces the connection impedance to a minimum to guarantee optimal performance in all installations.

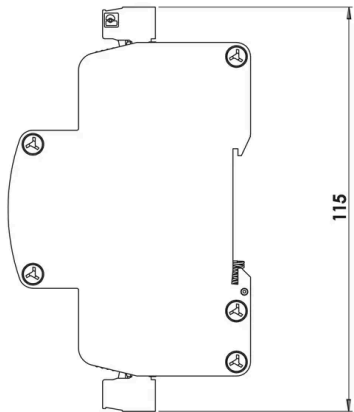
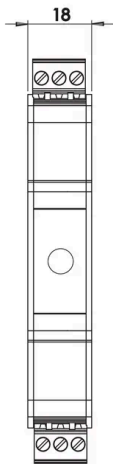


Image for illustrative purposes only

Wiring



Dimensions



Product Datasheet

Electrical Specifications

Connection type		Series
Modes of protection		L1-L2, L1-PE, L2-PE
Number of ports		2
Number of phases		2
Location		Indoor
Nominal voltage	U_0	45VAC
Short circuit withstand level	I_{SCCR}	10kA
Maximum backup fuse		16A
Earth leakage current	I_{PE}	<500µA

Electrical (L-L) Specifications

Maximum load current	I_L	16A
Maximum continuous voltage DC	U_c	70VDC
Maximum discharge current (8/20 µs)	I_{max}	10kA
Nominal discharge current (8/20 µs)	I_n	5kA
Voltage protection level (3kA 8/20µs)	U_p	<200V
Response time	t_A	<25ns

Electrical (L-PE) Specifications

Maximum continuous voltage AC	U_c	50VAC
Maximum continuous voltage DC	U_c	70VDC
Maximum discharge current (8/20 µs)	I_{max}	10kA
Nominal discharge current (8/20 µs)	I_n	5kA
Voltage protection level @ 1 kV/ µs	U_p	<200V
Response time	t_A	<25ns

Indication Specifications

Display		LED status
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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 capacity - power		2.5mm²
Terminal screw torque - power		0.5Nm
Length		115mm
Width		18mm
Height		69mm

Standard Specifications

IEC 61643-11	SPD connected to low-voltage power systems - Type 2, 3
AS 1768	AC power system SPD - Cat C, B, A
UL 1449	Low voltage SPD - Type 2, 3
IEEE 62.41.2	Low voltage SPD - Cat B, C

Shipping Specifications

Weight		150g
Customs tariff		85363000, 85363010

Other Specifications

Product Code		ISP2-16-10-50
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