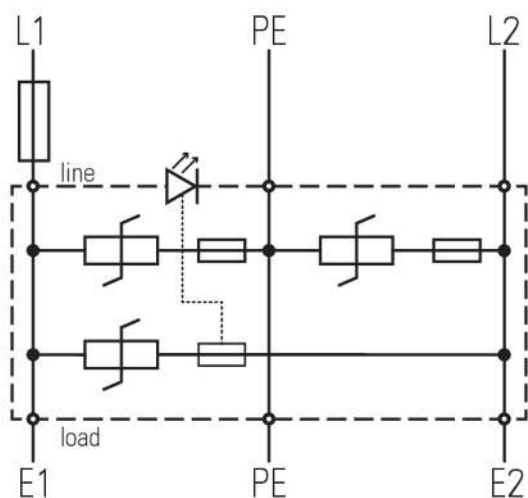


ISP2-16-9T-30DC



Wiring



IEC 61643-11
AS/NZS 1768
UL 1449
IEEE 62.41.2

SPD connected to low-voltage power systems - Type 2 + 3
A.C. power system SPD - Cat C, B, A
Low voltage SPD - Type 2, Type 3
Low voltage SPD - Cat B, Cat C

Standards

ISP2 Series Surge Protectors

Novaris ISP2 series connected surge protectors are designed for low voltage AC and DC power circuits from 16 up to 63A. 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.

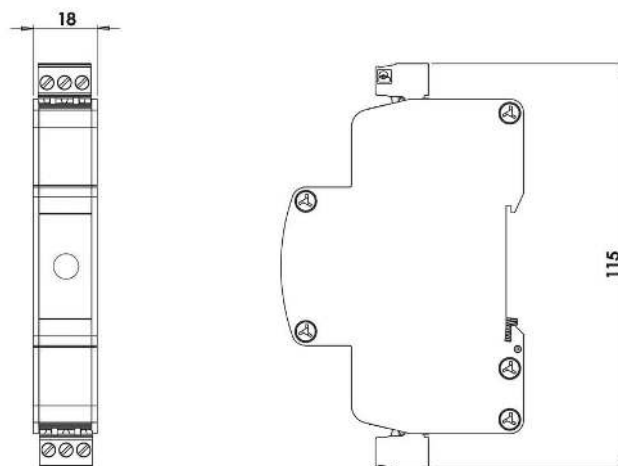
Safe Metal Enclosure

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.

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	30VDC
Short circuit withstand level	I_{SSCR}	10kA
Maximum backup fuse		16A
Earth leakage current	I_{PE}	<500 μ A

Electrical (L-L) Specifications

Maximum load current	I_L	16A
Maximum continuous voltage DC	U_c	40VDC
Maximum continuous voltage AC	U_c	30VAC
Maximum discharge current (8/20 μ s)	I_{max}	3kA
Nominal discharge current (8/20 μ s)	I_n	1kA
Voltage protection level (3kA 8/20 μ s)	U_p	<160V
Response time	t_A	<5ns













Electrical (L-PE) Specifications

Maximum continuous voltage DC	U_c	40VDC
Maximum continuous voltage AC	U_c	30VAC
Maximum discharge current (8/20 μ s)	I_{max}	3kA
Nominal discharge current (8/20 μ s)	I_n	1kA
Voltage protection level (3kA 8/20 μ s)	U_p	<160V
Response time	t_A	<5ns

Indication Specifications

Display  LED status

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		2.5mm ²
Terminal screw torque - power		0.5Nm
Length		115mm
Width		18mm
Height		69mm

Other Specifications

Product Code  ISP2-16-9T-30DC

Shipping Specifications

Weight		150g
Customs tariff		85363000, 85363010