

SSP3-10-10-275-A

Series Surge Protectors

Novaris SSP protectors are suitable for installation in circuits up to 63A. The SSP range has been engineered to provide excellent performance in an economical package.

Compact Design

A compact design makes SSP protectors an ideal choice for space restricted applications.

All Mode Protection

Protection is provided for all combinations of lines (L-N, L-PE, N-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.

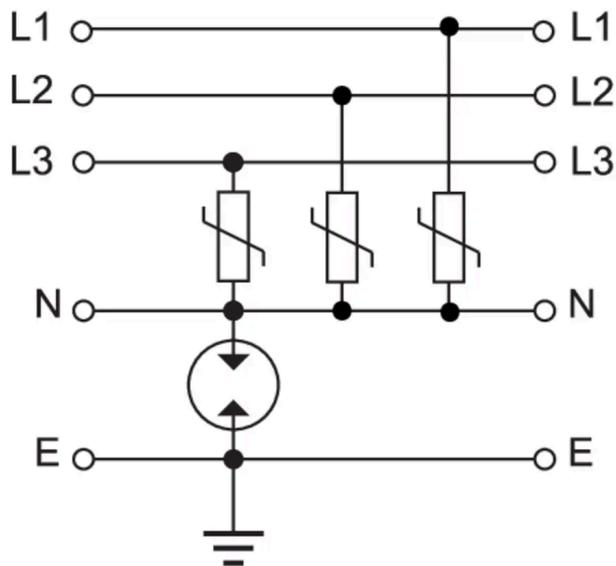
Installation Independent Performance

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.

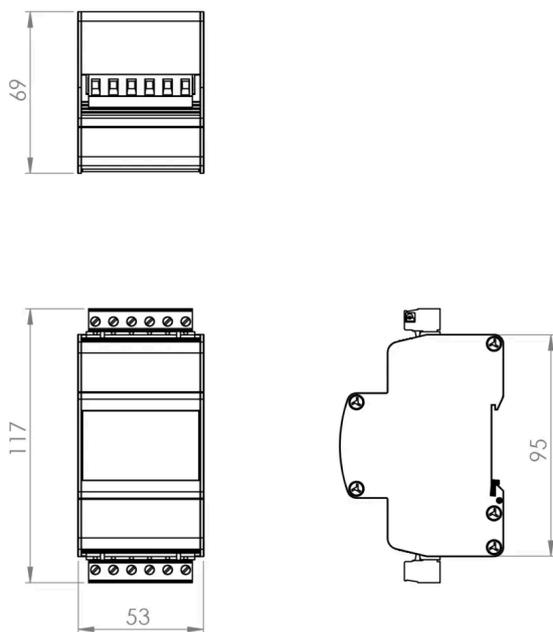


Image for illustrative purposes only

Wiring



Dimensions



Product Datasheet

Electrical Specifications

Connection type		Series
Modes of protection		L-N, L-PE, N-PE
Number of ports		2
Number of phases		3
Location		Indoor
Nominal voltage	U_0	230VAC
Short circuit withstand level	I_{sCCR}	25kA
Maximum backup fuse		10A
Earth leakage current	I_{PE}	<10 μ A

Electrical (L-N) Specifications

Maximum voltage drop (% of U_0)		<1%
Maximum load current	I_L	10A
Maximum continuous voltage AC	U_C	275VAC
Maximum discharge current (8/20 μ s)	I_{max}	10kA
Nominal discharge current (8/20 μ s)	I_n	5kA
Voltage protection level (3kA 8/20 μ s)	U_p	<1000V
Voltage protection level (In)	U_p	<1700V
Response time	t_A	<25ns
Voltage withstand (5s)	U_T	335V

Electrical (N-PE) Specifications

Maximum continuous voltage	U_C	255VAC
Maximum discharge current (8/20 μ s)	I_{max}	25kA
Nominal discharge current (8/20 μ s)	I_n	10kA
Lightning impulse current (10/350 μ s)	I_{imp}	10kA
Voltage protection level (1kV/ μ s)	U_p	<1000V
Response time	t_A	<25ns

Indication Specifications

Alarm		Thermal Failure
Alarm isolation		4kV

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

Standard Specifications

IEC 61643-11	SPD connected to low-voltage power systems - Type 2
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		650g
Customs tariff		85363000, 85363010

Other Specifications

Product Code		SSP3-10-10-275-A
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