

### SSP3-10-10-275

#### 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.

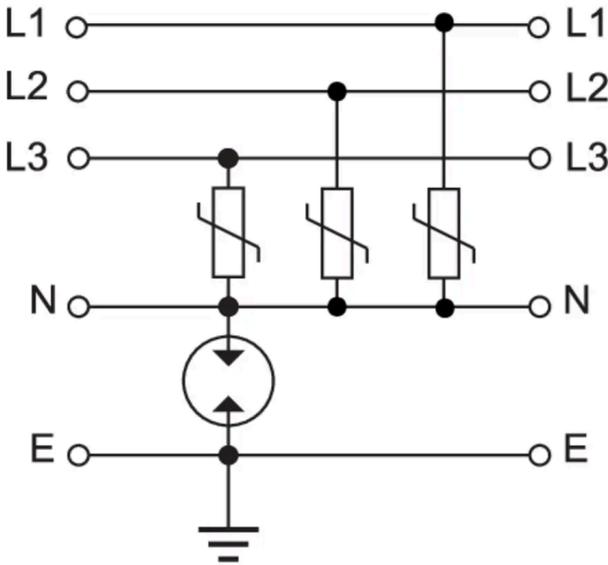
#### Installation Independent Performance

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.

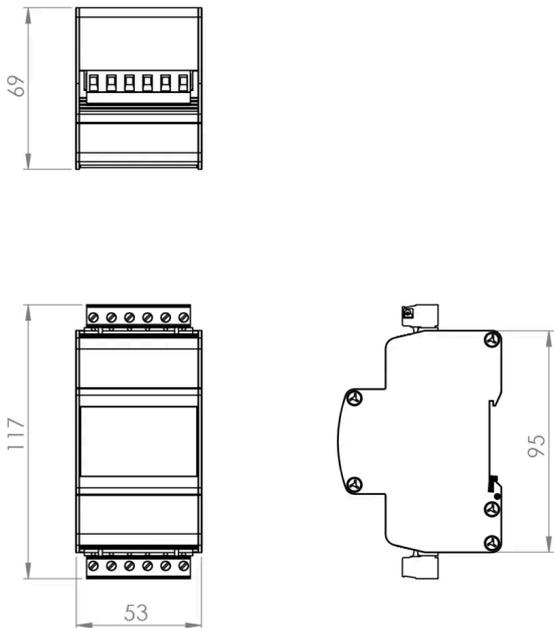


Image for illustrative purposes only

#### 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 $\mu$ 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 $\mu$ s)	$I_{max}$	10kA
Nominal discharge current (8/20 $\mu$ s)	$I_n$	5kA
Voltage protection level (3kA 8/20 $\mu$ 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 $\mu$ s)	$I_{max}$	25kA
Nominal discharge current (8/20 $\mu$ s)	$I_n$	10kA
Lightning impulse current (10/350 $\mu$ s)	$I_{imp}$	10kA
Voltage protection level (1kV/ $\mu$ 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 <sup>2</sup>

## 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
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