

### ISP2-16-3-30

#### 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.

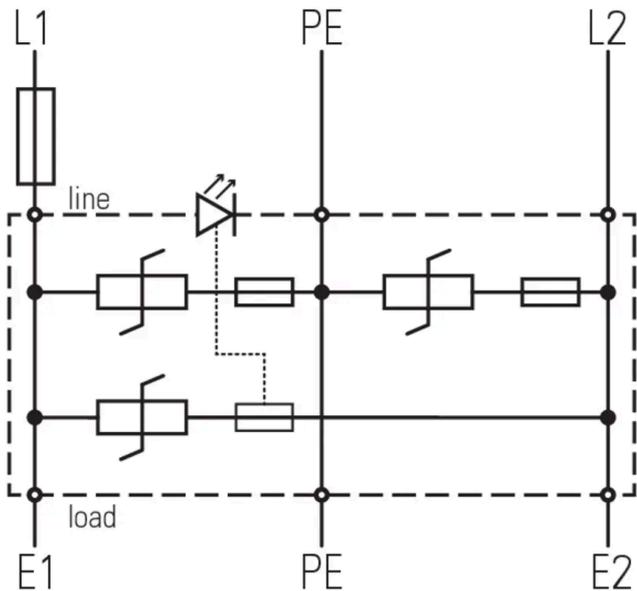
#### Installation Independent Performance

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.

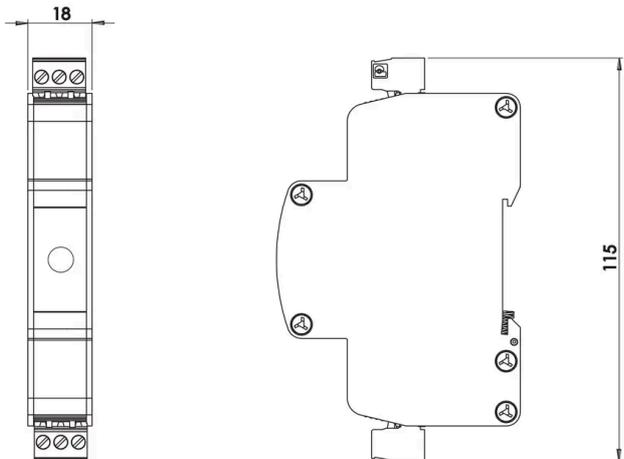


Image for illustrative purposes only

#### 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	$U_0$	24VAC
Short circuit withstand level	$I_{scCR}$	10kA
Maximum backup fuse		16A
Earth leakage current	$I_{PE}$	<500 $\mu$ A

## Electrical (L-L) Specifications

Maximum load current	$I_L$	16A
Maximum continuous voltage DC	$U_C$	40VDC
Maximum discharge current (8/20 $\mu$ s)	$I_{max}$	3kA
Nominal discharge current (8/20 $\mu$ s)	$I_n$	1kA
Voltage protection level (3kA 8/20 $\mu$ s)	$U_p$	<160V
Response time	$t_A$	<25ns

## Electrical (L-PE) Specifications

Maximum continuous voltage AC	$U_C$	30VAC
Maximum continuous voltage DC	$U_C$	40VDC
Maximum discharge current (8/20 $\mu$ s)	$I_{max}$	3kA
Nominal discharge current (8/20 $\mu$ s)	$I_n$	1kA
Voltage protection level @ 1 kV/ $\mu$ s	$U_p$	<160V
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		2.5mm <sup>2</sup>
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		ISP2-16-3-30
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