

## ISP2-16-15-275

**SSP1 Series Surge Protectors**

The Novaris SSP1 range of surge protectors are designed to provide economic protection to AC power circuits where the neutral conductor is earthed in the distribution system. They are in a two port series configuration with load currents up to 63A and with differing levels of surge current rating. They are suitable for the typical 230/240V AC supplies whether TN-C-S or TT configuration and provide all mode protection for where the neutral earth point might be some distance from the SPD.

**Compact Design**

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

**All Mode Protection**

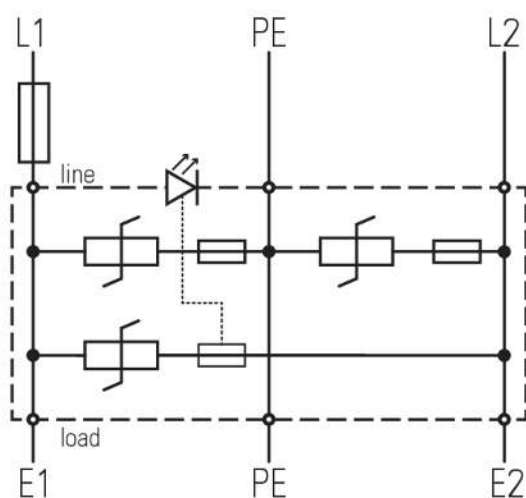
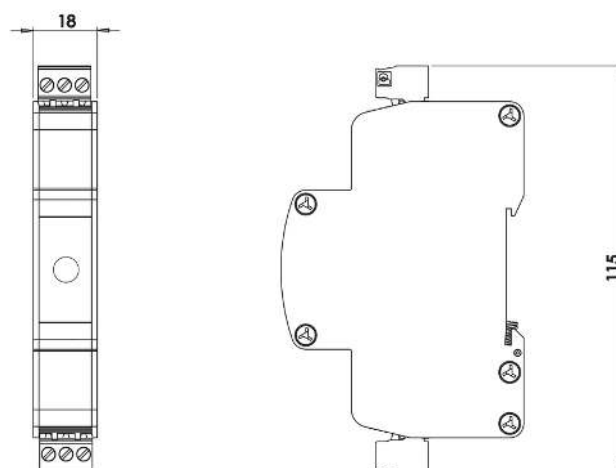
Protection is provided for all combinations of lines (L-N, L-PE, N-PE) ensuring the maximum level of protection is achieved at all times.

**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.





**Wiring****Dimensions****Standards**

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

## Product Datasheet

## Electrical Specifications

Connection type		Series
Modes of protection		(+)-(-), (+)-PE, (-)-PE
Number of ports		2
Number of phases		2
Location		Indoor
Nominal voltage	$U_0$	230VAC
Maximum backup fuse		16A
Earth leakage current	$I_{PE}$	<500 $\mu$ A

## Electrical (L-N) Specifications

Maximum load current	$I_L$	16A
Maximum continuous voltage AC	$U_c$	275VAC
Maximum continuous voltage DC	$U_c$	275VDC
Maximum discharge current (8/20 $\mu$ s)	$I_{max}$	15kA
Nominal discharge current (8/20 $\mu$ s)	$I_n$	6kA
Voltage protection level (3kA 8/20 $\mu$ s)	$U_p$	<800V
Response time	$t_A$	<5ns














## Electrical (N-PE) Specifications

Maximum continuous voltage	$U_c$	275VAC
Maximum discharge current (8/20 $\mu$ s)	$I_{max}$	15kA
Nominal discharge current (8/20 $\mu$ s)	$I_n$	6kA
Voltage protection level (3kA 8/20 $\mu$ s)	$U_p$	<800V
Response time	$t_A$	<5ns

## 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

## Other Specifications

Product Code		ISP2-16-15-275
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## Shipping Specifications

Weight		120g
Customs tariff		85354010