ISP2-16-10-50



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.

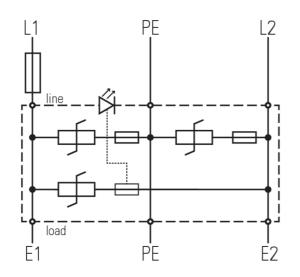
Safe Metal Enclosure

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.

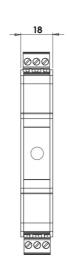
Installation Independent Performance

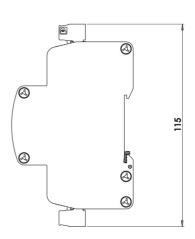
Series surge protectors house the shunt (parallel) connection of the protection components internally within the device. This reduces the connection impedance to a minimum to guarantee optimal performance in all installations.

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

Generated Fri May 07 2021



Product Datasheet

Electrical Specifications

Connection type	¥	Series
Modes of protection	ħ	L1-L2, L1-PE, L2-PE
Number of ports		2
Number of phases	≔	2
Location		Indoor
Nominal voltage	U _o	45VAC
Short circuit withstand level	Isscr	10kA
Maximum backup fuse	=	16A
Earth leakage current	I _{PE}	<500µA

Electrical (L-L) Specifications

Maximum load current	I _L	16A
Maximum continuous voltage AC	U _c	50VAC
Maximum continuous voltage DC	U _c	70VDC
Maximum discharge current (8/20 μs)	l _{max}	10kA
Nominal discharge current (8/20 µs)	I _n	5kA
Voltage protection level (3kA 8/20µs)	U _p	<200V
Response time	t _A	<5ns

Electrical (L-PE) Specifications

Maximum continuous voltage AC	U _c	50VAC
Maximum continuous voltage DC	U _c	70VDC
Maximum discharge current (8/20 μs)	l _{max}	10kA
Nominal discharge current (8/20 µs)	I _n	5kA
Voltage protection level (3kA 8/20µs)	U _p	<200V
Response time	t _A	<5ns

Indication Specifications

Display	\Box	LED status

Mechanical Specifications

Minimum operating temperature	P	-40°C
Maximum operating temperature	ı	70°C
Minimum operating humidity	%	5%
Maximum operating humidity	&	95%
Mounting method	Æ	TS35 DIN Rail
Environmental rating	ŵ	IP20
Enclosure material	•	Aluminium
Enclosure finish	•	Black powdercoat
Terminal capacity - power	0	2.5mm²
Terminal screw torque - power	C	0.5Nm
Length	2	115mm
Width	↔	18mm
Height	1	69mm

Other Specifications

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Weight	Â	150g
Customs tariff	*	85363000, 85363010

