

HSD1-10-390

Hybrid Surge Diverter

Novaris Hybrid Surge Diverter (HSD) protectors are suitable for installation in appliance circuits up to 20A. The HSD range has been engineered to provide excellent performance in an economical package.

Compact Design

Novaris HSDs' compact design makes them an ideal choice for space restricted applications, for example LED lights.

All Mode Protection

Protection is provided for all combinations of lines (L-N, L-PE, N-PE) ensuring maximum protection.

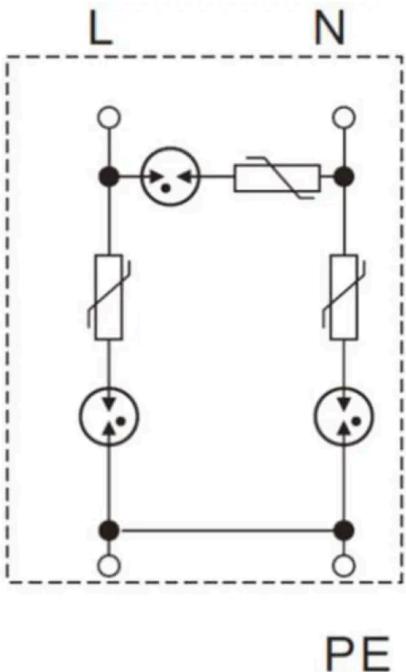
Safe IP67 Enclosure

Novaris HSD products are environmentally protected to IP67 providing maximum protection in extreme environments.

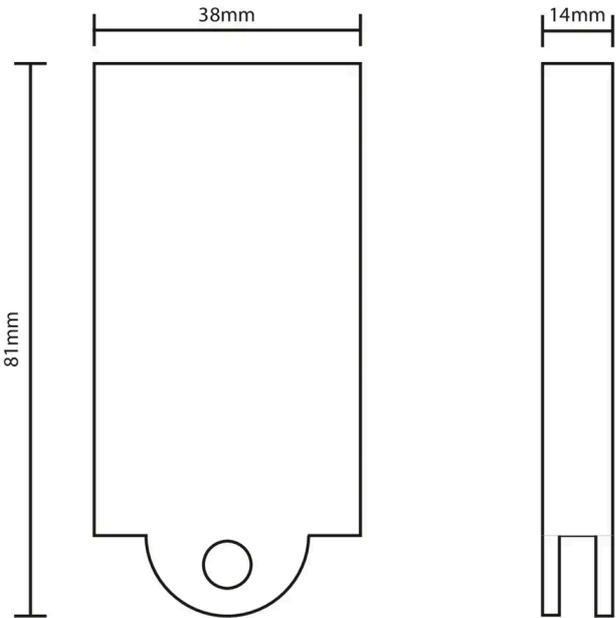


Image for illustrative purposes only

Wiring



Dimensions



Product Datasheet

Electrical Specifications

Connection type		Shunt
Modes of protection		L-N, L-PE, N-PE
Number of ports		1
Number of phases		1
Location		Indoor
Nominal voltage	U_0	230VAC
Short circuit withstand level	I_{SSCR}	25kA
Maximum backup fuse		32A

Electrical (L-N) Specifications

Maximum continuous voltage AC	U_C	390VAC
Maximum discharge current (8/20 μ s)	I_{max}	10kA
Nominal discharge current (8/20 μ s)	I_n	5kA
Voltage protection level (In)	U_p	<1100V
Response time	t_A	<25ns

Electrical (N-PE) Specifications

Maximum continuous voltage	U_C	390VAC
Maximum discharge current (8/20 μ s)	I_{max}	10kA
Nominal discharge current (8/20 μ s)	I_n	5kA
Voltage protection level (In)	U_p	<1100V
Response time	t_A	<25ns

Mechanical Specifications

Minimum operating temperature		-40°C
Maximum operating temperature		80°C
Minimum operating humidity		5%
Maximum operating humidity		95%
Mounting method		Flying lead
Environmental rating		IP67
Enclosure material		ABS
Length		14mm
Width		38mm
Height		81mm

Standard Specifications

IEC 61643-11	SPD connected to low-voltage power systems - Type 2, 3
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Shipping Specifications

Weight		60g
Customs tariff		85363000, 85363010

Other Specifications

Product Code		HSD1-10-390
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