

NSP1-40-320-N

NSP Surge Diverter

The Novaris NSP Surge Diverter range is a type 2 SPD and is designed for low voltage power supply system protection at the boundaries between lightning protection zone 1-2.

KEMA Certified

The NSP range is certified as per IEC 61643-11, Class II 40kA.

Pluggable Plastic Enclosure

The pluggable design allows for easy replacement of the modules. Each module is made from thermoplastic extinguishing degree UL94 V-0.

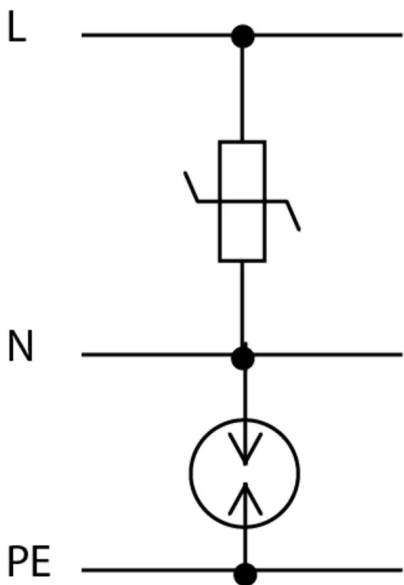
Display and Alarm

The NSP range features a fault indication window, green for good and red for replace there is also a remote alarm contact available.

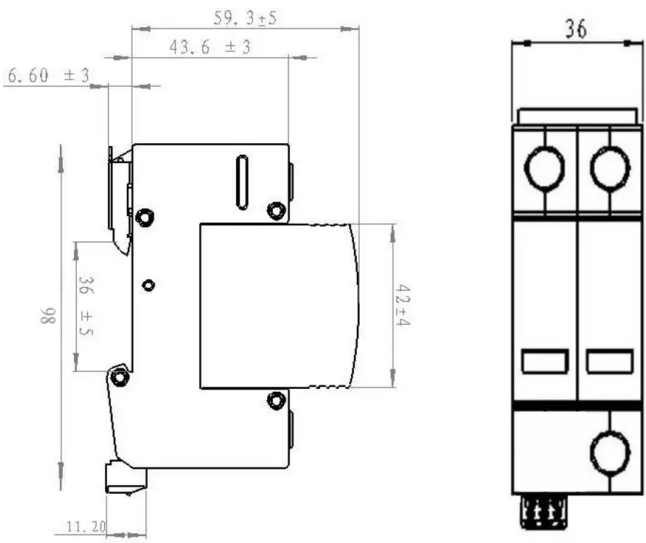


Image for illustrative purposes only

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		125A
Recommended SCB		SCB1-3-80
Earth leakage current	I_{PE}	<10 μ A

Electrical (L-N) Specifications

Maximum continuous voltage AC	U_c	320VAC
Maximum discharge current (8/20 μ s)	I_{max}	40kA
Nominal discharge current (8/20 μ s)	I_n	20kA
Lightning impulse current (10/350 μ s)	I_{imp}	4kA
Voltage protection level (In)	U_p	<1500V
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 μ s)	I_{max}	40kA
Nominal discharge current (8/20 μ s)	I_n	20kA
Voltage protection level (1kV/ μ s)	U_p	<1500V
Response time	t_A	<25ns
Follow current interrupt rating	I_{fi}	100A

Indication Specifications

Display		Thermal failure green normal red failure
Alarm		Thermal failure

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
Terminal capacity - power		35mm ²
Terminal capacity - alarms		1.5mm ²
Length		65mm
Width		36mm
Height		98mm

Standard Specifications

IEC 61643-11	SPD connected to low-voltage power systems - Type 2
IEEE 62.41.2	Low voltage SPD - Cat B
UL 1449	Low voltage SPD - Type 2

Shipping Specifications

Weight		210g
Customs tariff		85363000, 85363010

Other Specifications

Product Code		NSP1-40-320-N
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