

NSP3-40-320

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.

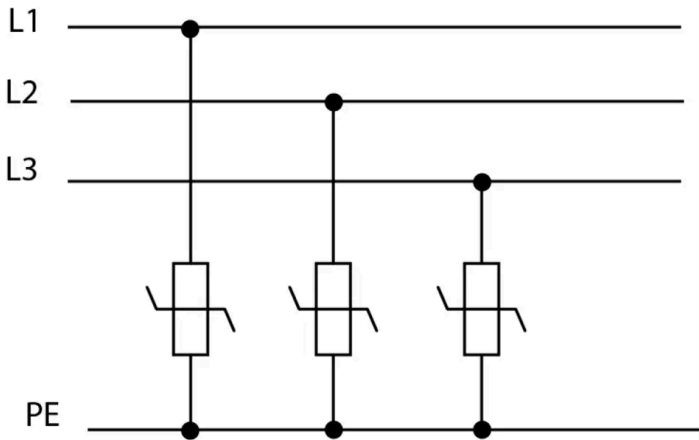
Display and Alarm

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

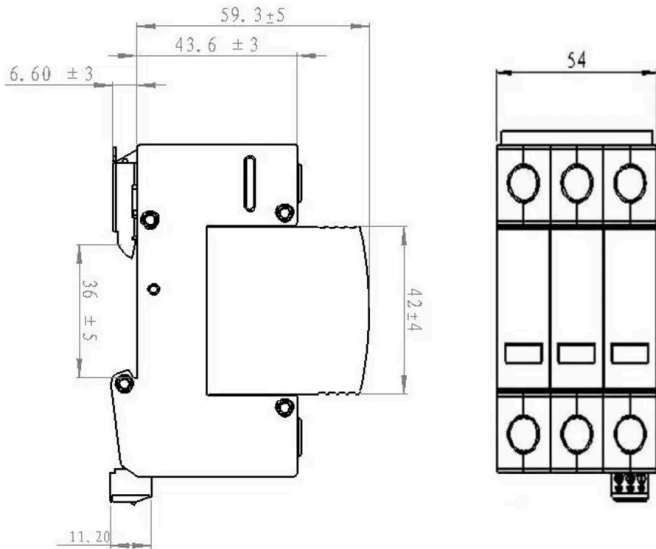


Image for illustrative purposes only

Wiring







Dimensions



Product Datasheet

Electrical Specifications

| | | |
|-------------------------------|---|-------------|
| Connection type |  | Shunt |
| Modes of protection |  | L-N/PE |
| Number of ports | | 1 |
| Number of phases |  | 3 |
| Location | | Indoor |
| Nominal voltage | U_0 | 230VAC |
| Short circuit withstand level | I_{SCCR} | 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 |

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 |  | 54mm |
| 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 |  | 360g |
| Customs tariff |  | 85363000, 85363010 |

Other Specifications

| | | |
|--------------|---|-------------|
| Product Code |  | NSP3-40-320 |
|--------------|---|-------------|