

IFD3-10-50-D480

Delta connected filter

Novaris DIN mount isolated filters are suitable for protecting Delta power connections using three wires. The IFD range has been engineered to protect sensitive loads such as electronic power supplies and drives.

The IFD3-10-50-D480 is suitable for loads of up to 10A.

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.

Three stages of protection

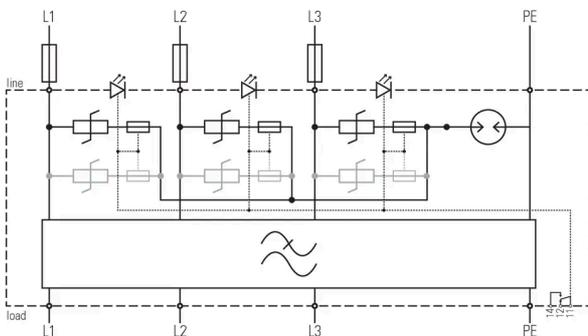
Novaris isolated filters have 2 stages of varistor protection separated by a low pass LC filter. This 3 stage combination reduces the effects of high frequency noise and transients to provide the highest level of protection to sensitive loads.



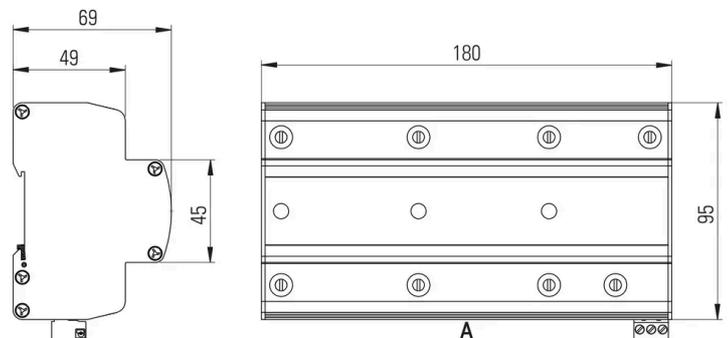
Image for illustrative purposes only

The colour of the grommets will change starting from 2026. All phases will be black, neutral will be black, and earth will be green

Wiring



Dimensions



Product Datasheet

Electrical Specifications

| | | |
|-------------------------------|---|-------------|
| Connection type |  | Series |
| Modes of protection |  | L-L, L-PE |
| Number of ports | | 2 |
| Number of phases |  | 3 |
| Location | | Indoor |
| Nominal voltage | U_0 | 400VAC |
| Short circuit withstand level | I_{scCR} | 25kA |
| Maximum backup fuse |  | 10A |
| Earth leakage current | I_{PE} | <10 μ A |

Electrical (L-PE) Specifications

| | | |
|--|-----------|--------|
| Maximum continuous voltage AC | U_c | 480VAC |
| Maximum discharge current (8/20 μ s) | I_{max} | 50kA |
| Nominal discharge current (8/20 μ s) | I_n | 20kA |
| Voltage protection level @ 1 kV/ μ s | U_p | <600V |
| Response time | t_A | <25ns |
| Voltage withstand (200ms) | U_T | 1200V |
| Follow current interrupt rating | I_{fi} | 100A |

Indication Specifications

| | | |
|-----------------|---|--------------------------------|
| Display |  | LED power and thermal failure |
| Alarm |  | SPDT power and thermal failure |
| Alarm isolation |  | 4kV |

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 |  | 16mm ² |
| Terminal screw torque - power |  | 2Nm |
| Terminal capacity - alarms |  | 2.5mm ² |
| Terminal screw torque - alarms |  | 0.5Nm |
| Length |  | 95mm |
| Width |  | 180mm |
| Height |  | 69mm |
| Dimensional tolerance | | 0.5mm |

Standard Specifications

| | |
|--------------|---|
| IEC 61643-11 | SPD connected to low-voltage power systems - Type 2 |
| AS 1768 | AC power system SPD - Cat C, B |

Shipping Specifications

| | | |
|----------------|---|--------------------|
| Weight |  | 1.5kg |
| Customs tariff |  | 85363000, 85363010 |

Other Specifications

| | | |
|--------------|---|-----------------|
| Product Code |  | IFD3-10-50-D480 |
|--------------|---|-----------------|