

IFD3-20-50-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.

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.

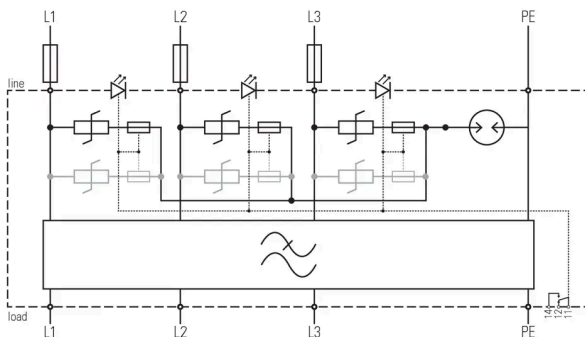
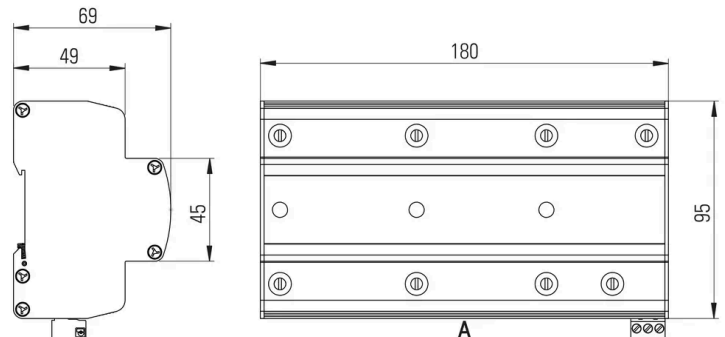
Three stages of protection

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		20A
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		IFD3-20-50-D480
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