SFD1-6-10-275



Single Phase Surge Filters

Novaris DIN mount Surge Filter are suitable for installation in circuits up to 32A. The SFD range has been engineered to protect sensitive loads.

Compact Design

Their compact design makes them an ideal choice for space restricted applications.

All Mode Protection

Protection is provided for all combinations of lines (L-N, L-PE, N-PE) ensuring the maximum level of protection is achieved at all times.

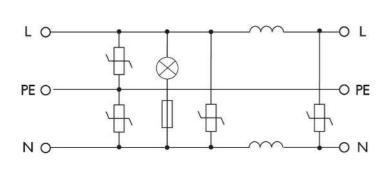
Safe Metal Enclosure

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

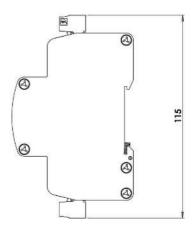
Novaris surge filters have 2 stages of varistor protection separated by a low pass LC filter. This 3 stage combination reduces the effects of high frequency noise and transients to provide the highest level of protection to sensitive loads.

Dimensions



Wiring





Standards

IEC 61643-11:2011 AS/NZS 1768:2007 UL 1449 3rd edition IEEE 62.41.2:2002 SPD connected to low-voltage power systems - Type 1+2 A.C. power system SPD - Cat C, B Low voltage SPD - Type 2 Low voltage SPD - Cat B



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Product Datasheet

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Electrical Specifications

Connection type	۶	Series
Modes of protection	h	L-N, L-PE, N-PE
Number of ports		2
Number of phases	≔	1
Location		Indoor
Nominal voltage	Uo	230VAC
Short circuit withstand level	I	10kA
Maximum backup fuse	⇔	6A
Earth leakage current	I _{pe}	<500µA

Electrical (L-N) Specifications

Maximum load current	I,	6A
Maximum continuous voltage AC	U _c	275VAC
Maximum voltage drop (% of Uo)		<1%
3dB frequency @ 50Ω		9400Hz
Maximum discharge current (8/20 µs)	l _{max}	10kA
Nominal discharge current (8/20 µs)	I,	4kA
Voltage protection level (3kA 8/20µs)	U _p	<700V
Voltage protection level (In)	U _p	<900V
Response time	t _A	Instantaneous
Voltage withstand (5s)	U _T	335V

Electrical (N-PE) Specifications

Maximum continuous voltage	U _c	275VAC
Maximum discharge current (8/20 µs)	l _{max}	10kA
Nominal discharge current (8/20 µs)	I,	4kA
Voltage protection level (3kA 8/20µs)	U _p	<700V
Voltage protection level (In)	U _p	<900V
Response time	t _A	<100ns
Voltage withstand (200ms)	U,	1200V

Indication Specifications

Display 🖵 LED power and thermal failure

Mechanical Specifications

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Minimum operating temperature	ß	-40°C
Maximum operating temperature	l	70°C
Minimum operating humidity	٢	5%
Maximum operating humidity	٨	95%
Mounting method	ø¢.	TS35 DIN Rail
Environmental rating		IP20
Enclosure material	Ø	Aluminium
Enclosure finish		Black powdercoat
Terminal capacity - power	Θ	2.5mm²
Terminal screw torque - power	C	0.5Nm
Length	2	115mm
Width	↔	18mm
Height	1	69mm

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Other Specifications

Product Code IIII SFD1-6-10-275

Shipping Specifications

Weight	Â	350g
Customs tariff	*	85354010

