SFM3-125-50-275



Medium Current Filters

Novaris SFM filters provide the highest level of protection with the lowest let through voltage. Installation at a main switch board will protect all the connected downstream equipment.

Percentage Active Display

A digital display confirms the device rating by displaying the percentage active of the redundant segments. The display indicates segment status and thermal overload.

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

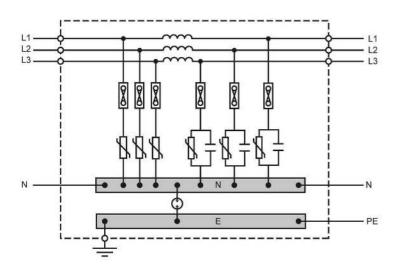
All Mode Protection

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

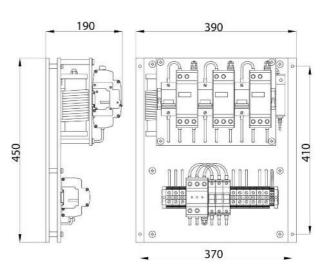
Active Alarm

Fail-safe alarm contact allows for remote monitoring.

Wiring



Dimensions



Standards

IEC 61643-11:2011 AS/NZS 1768:2007 SPD connected to low-voltage power systems - Type 1+2 A.C. power system SPD - Cat C, B

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Electrical Specifications

Connection type	¥	Series
Modes of protection	ħ	L-N, L-PE, N-PE
Number of ports		2
Number of phases	≔	3
Location		Indoor
Nominal voltage	U _o	230VAC
Short circuit withstand level	SSCR	25kA
Maximum backup fuse	=	125A
Earth leakage current	I _{PE}	<10µA

Electrical (L-N) Specifications

Maximum load current	I _L	125A
Maximum continuous voltage AC	U _c	275VAC
Maximum voltage drop (% of Uo)		<1%
3dB frequency @ 50Ω		350Hz
Maximum discharge current (8/20 μs)	l _{max}	50kA
Nominal discharge current (8/20 µs)	I _n	20kA
Lightning impulse current (10/350 µs)	I _{imp}	6.25kA
Voltage protection level (3kA 8/20µs)	U _p	360V
Response time	t _A	Instantaneous

Indication Specifications

Display	\Box	LED power and thermal failure
Alarm	\Diamond	SPDT power and thermal failure
Alarm isolation	<u>Ş</u> 5	4kV

Mechanical Specifications

Minimum operating temperature	P	-40°C
Maximum operating temperature	ı	70°C
Minimum operating humidity	%	5%
Maximum operating humidity	•	95%
Mounting method	₽ C	Panel
Environmental rating	ŵ	IP20
Terminal capacity - power	0	35mm²
Terminal screw torque - power	C	1Nm
Terminal capacity - alarms	0	2.5mm²
Terminal screw torque - alarms	G	0.5Nm

Other Specifications

Product Code SFM3-125-50-275

Shipping Specifications

Weight	Â	20kg
Customs tariff	*	85354010

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