

SFM3-125-200-275



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 loads.

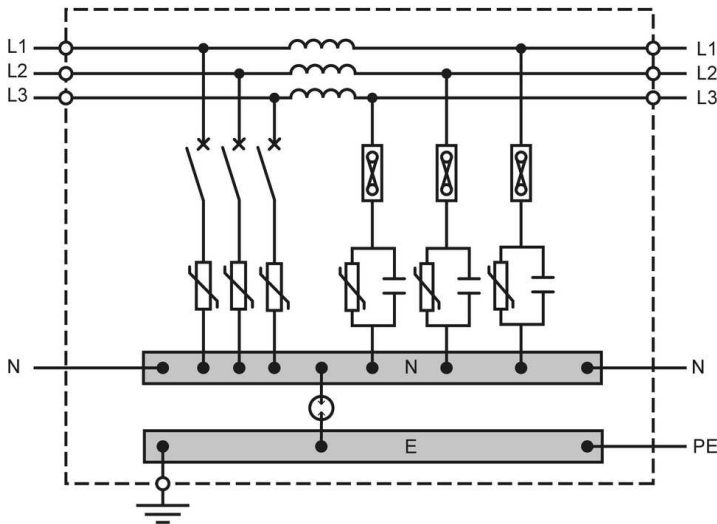
All Mode Protection

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.

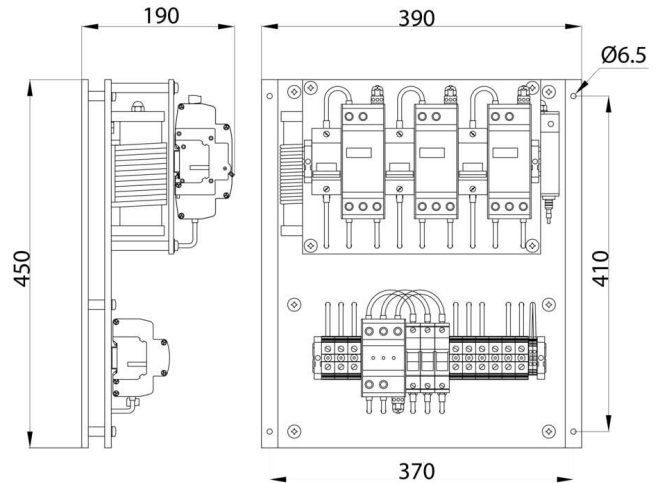
Active Alarm

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




## Electrical Specifications

Connection type		Series
Modes of protection		L-N, L-PE, N-PE
Number of ports		2
Number of phases		3
Location		Indoor
Nominal voltage	$U_0$	230VAC
Short circuit withstand level	$I_{SSCR}$	50kA
Maximum backup fuse		125A
Earth leakage current	$I_{PE}$	<1 $\mu$ A











## Electrical (L-N) Specifications

Maximum load current	$I_L$	125A
Maximum continuous voltage AC	$U_c$	275VAC
Maximum voltage drop (% of $U_0$ )		<1%
3dB frequency @ 50 $\Omega$		350Hz
Maximum discharge current (8/20 $\mu$ s)	$I_{max}$	200kA
Nominal discharge current (8/20 $\mu$ s)	$I_n$	80kA
Lightning impulse current (10/350 $\mu$ s)	$I_{imp}$	25kA
Voltage protection level (3kA 8/20 $\mu$ s)	$U_p$	360V
Response time	$t_A$	Instantaneous

## Indication Specifications

Alarm contact current		2A
Display		LED power and thermal failure
Alarm		SPST NC 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		Panel
Environmental rating		IP20
Terminal capacity - power		35mm <sup>2</sup>
Terminal screw torque - power		1Nm
Terminal capacity - alarms		2.5mm <sup>2</sup>
Terminal screw torque - alarms		0.5Nm

## Other Specifications

Product Code  SFM3-125-200-275

## Shipping Specifications

Weight		24kg
Customs tariff		85363000, 85363010