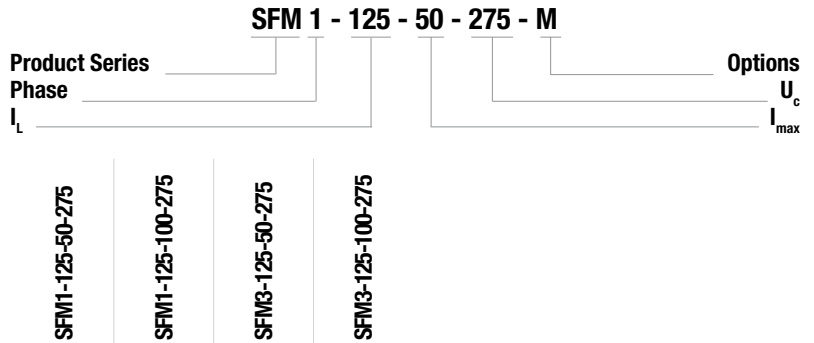




SFM Surge Filters 125A

Novaris SFM surge filters provide excellent and effective MSB and DB protection for critical equipment up to 125A per phase.



Electrical Specifications

Connection type		Series			
Modes of protection		All mode (L-N, L-PE, N-PE)			
Nominal Voltage	U_0	230V / 50Hz (110V / 60Hz by request only)			
Maximum continuous voltage	U_c	275V / 50Hz (130V / 60Hz by request only)			
Phases		1		3	
Discharge current 8/20µs	I_{max}	50kA	100kA	50kA	100kA
Maximum load current	I_L	125A			
Protection stages		Metal oxide varistor / LC filter / metal oxide varistor			
Voltage protection @ 3kA (8/20µs)	U_p	<360V			
Response time	t_A	Instantaneous			
Earth leakage current		<1µA			
Maximum voltage drop (% of U_0)	ΔU	<1%			
3dB Frequency @ 50Ω		350Hz			
Displays		LED status	% active	LED status	% active
Alarms		Seg failure and o'current / thermal o'load, SPDT contact			
Alarm isolation to active circuitry		4kV			

Mechanical Specifications

Operating temperature / humidity	-40 to +40°C / 0 to 90% non-condensing			
Connection type	UIK35 Terminals			
Terminal capacity - power	35mm ²			
Terminal capacity - alarm	2.5mm ²			
Terminal screw torque - power	1.0Nm			
Terminal screw torque - alarm	0.5Nm			
Environmental	IP 55 in enclosure			
Mounting	Wall mount			
Weight (in enclosure)	11kg	12kg	25kg	28kg

Dimensions (in enclosure)

Width	310mm	426mm
Height	390mm	506mm
Depth	130mm	200mm

Maximum Discharge Current Variations

Discharge Current variations	I_{max}	150kA / 200kA / 250kA
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Standards Compliance	
IEC 61643- class I, II	
AS/NZS 1768 categories B, C	
IEEE C62.41 categories B, C	
BS 6651 categories B, C	
CP 33 categories B, C	
IEC 1000-4-5	
UL1449 third edition	

Options	
HRC fusing	H
Metal enclosure	M
Over / under voltage relay	O
Extended voltage (95-415V)	X