



SFM Surge Filters 125A

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

SFM 1 - 125 - 50 - 275 - [*]

Product Series
Phase

Options

U_c

I_{max}

SFM1-125-50-275

SFM1-125-200-275

SFM3-125-50-275

SFM3-125-200-275

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 8/20 μ s	I_{max}	50kA	200kA	50kA	200kA
Nominal discharge current (15 x 8/20 μ s)	I_n	20kA	80kA	20kA	80kA
Maximum load current	I_L	125A			
Protection stages		Metal oxide varistor / LC filter / metal oxide varistor			
Voltage protection @ 3kA (8/20 μ s)	U_p	<360V			
Response time	t_A	Instantaneous			
Earth leakage current		<1 μ A			
Maximum voltage drop (% of U_0)	ΔU	<1%			
3dB Frequency @ 50 Ω		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 +70°C / 5 to 95% 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

Standards Compliance

IEC 61643-11 class I, II, III
AS/NZS 1768 categories C, B, A
IEEE C62.41 categories C, B, A
IEC 1000-4-5
UL1449 fourth edition

Options [*]

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