



SFM Surge Filters 40 – 63A

Novaris SFM surge filters provide excellent and effective MSB and DB protection for critical equipment up to 63A per phase.

SFM 1 - 40 - 50 - 275 - [*]

Product Series _____
 Phase _____
 I_L _____
 Options _____
 U_c _____
 I_{max} _____

SFM1-40-50-275

SFM1-40-200-275

SFM3-40-50-275

SFM3-40-200-275

SFM1-63-50-275

SFM1-63-200-275

SFM3-63-50-275

SFM3-63-200-275

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		1		3	
Discharge current 8/20 μ s	I_{max}	50kA	200kA	50kA	200kA	50kA	200kA	50kA	200kA
Nominal discharge current (15 x 8/20 μ s)	I_n	20kA	80kA	20kA	80kA	20kA	80kA	20kA	80kA
Maximum load current	I_L	40A				63A			
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		750Hz				420Hz			
Displays		LED status	% active	LED status	% active	LED status	% active	LED status	% active
Alarms		Segment failure and overcurrent / thermal overload, 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)		9kg	10kg	18kg	22kg	10kg	11kg	20kg	24kg

Dimensions (in enclosure)										
Width		310mm		426mm		310mm		426mm		
Height		390mm		506mm		390mm		506mm		
Depth		130mm			200mm		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 [*]

Circuit breaker	C
HRC fusing	H
Metal enclosure IP 55	M
Over / under voltage relay	O
Extended voltage (95-415V)	X
Spark Gap Frontend	G