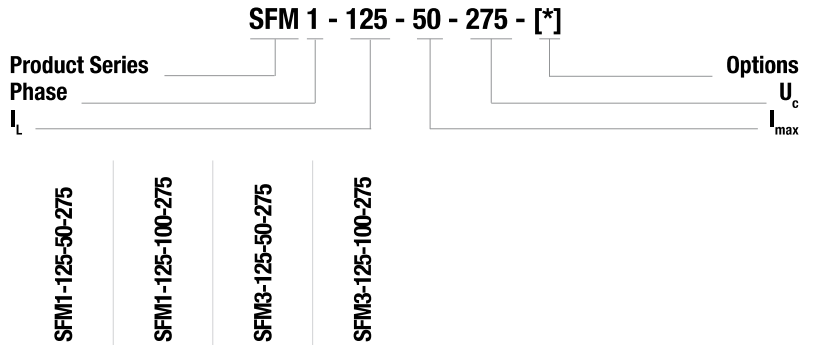




### SFM Surge Filters 125A

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 8/20 $\mu$ s	$I_{max}$	50kA	100kA	50kA	100kA
Maximum load current	$I_L$	125A			
Protection stages		Metal oxide varistor / LC filter / metal oxide varistor			
Voltage protection @ 3kA (8/20 $\mu$ s)	$U_p$	<360V			
Response time	$t_A$	Instantaneous			
Earth leakage current		<1 $\mu$ A			
Maximum voltage drop (% of $U_0$ )	$\Delta U$	<1%			
3dB Frequency @ 50 $\Omega$		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 <sup>2</sup>			
Terminal capacity - alarm		2.5mm <sup>2</sup>			
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	

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
Spark Gap Frontend	G