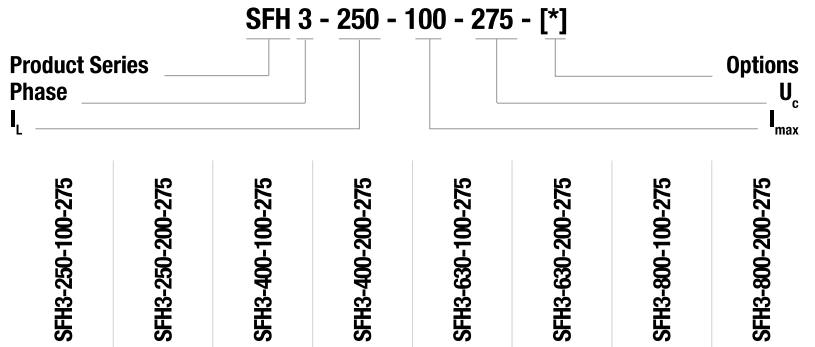




SFH Surge Filters 250 – 800A

Novaris SFH surge filters provide the highest level of protection with the lowest let through voltage. When installed at a main switchboard Novaris surge filters will protect all connected equipment.



Electrical Specifications									
Connection type		Series							
Modes of protection		All mode (L-N, L-PE, N-PE)							
Nominal voltage	U_0	230V / 50Hz							
Maximum continuous voltage	U_c	275V / 50Hz							
Phases		3							
Discharge current 8/20 μ s	I_{max}	100kA	200kA	100kA	200kA	100kA	200kA	100kA	200kA
Maximum load current	I_L	250A		400A		630A		800A	
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		200Hz			150Hz			80Hz	
Displays		7-segment LED, percentage active							
Alarms		Segment / thermal failure, clean SPDT contact							
Alarm isolation to active circuitry		4kV							

Standards Compliance	
IEC 61643-1 class I	
AS/NZS 1768 category C	
IEEE C62.41 category C	
BS 6651 category C	
CP 33 category C	
IEC 1000-4-5	
UL1449 third edition	

Mechanical Specifications		
Operating temperature / humidity	-40 to +70°C / 5 to 95% non-condensing	
Connection type	Bus bar / cable lug	
Alarm terminal capacity	2.5mm ²	
Terminal screw torque	0.5Nm	
Environmental	IP 55 in enclosure	
Mounting	Wall mount	
Weight	90kg	160kg

Options [*]	
HRC fusing	H
Metal enclosure IP 55	M
Over / under voltage relay	O
Extended voltage (95-415V)	X
Spark Gap Frontend	G

Dimensions (in enclosure)		
Width	710mm	800mm
Height	710mm	1200mm
Depth	285mm	400mm

Maximum Discharge Current Variations		
Discharge Current variations	I_{max}	150kA / 250kA