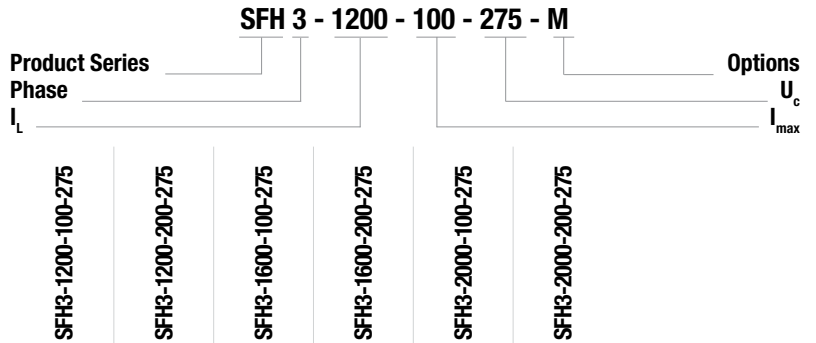




SFH Surge Filters 1200 – 2000A

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		Series					
Connection type		All mode (L-N, L-PE, N-PE)					
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 8/20µs	I_{max}	100kA	200kA	100kA	200kA	100kA	200kA
Maximum load current	I_L	1200A		1600A		2000A	
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		80Hz					
Displays		7-segment LED, percentage active					
Alarms		Segment / thermal failure, clean SPDT contact					
Alarm isolation to active circuitry		4kV					

Mechanical Specifications	
Operating temperature / humidity	-40 to +40°C / 0 to 90% 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	120kg

Dimensions (in enclosure)	
Width	1325mm
Height	914mm
Depth	303mm

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

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	

Options	
Metal enclosure IP 55	M
Over / under voltage relay	O
Extended voltage (95-415V)	X