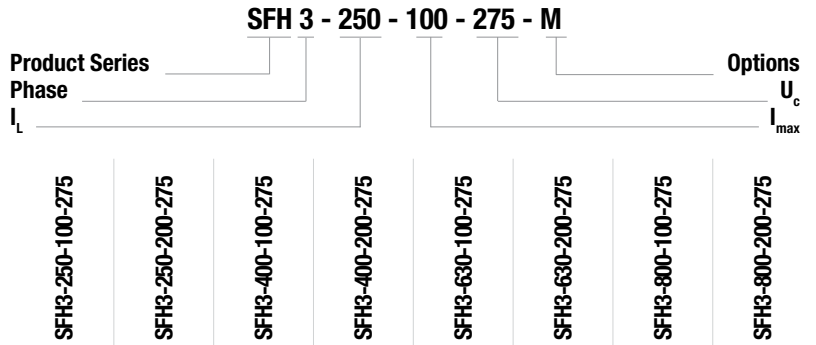




## SFH Surge Filters 250 – 800A

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 $\mu$ 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 $\mu$ 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 $\Omega$		200Hz			150Hz			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 <sup>2</sup>	
Terminal screw torque		0.5Nm	
Environmental		IP 55 in enclosure	
Mounting		Wall mount	
Weight		90kg	160kg

### Dimensions (in enclosure)

Width	710mm	800mm
Height	710mm	1200mm
Depth	285mm	400mm

### Maximum Discharge Current Variations

Discharge Current variations	$I_{max}$	150kA / 250kA
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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	
HRC fusing	H
Metal enclosure IP 55	M
Over / under voltage relay	O
Extended voltage (95-415V)	X