

SFD Surge Filters - Single Phase

Novaris SFD surge filters provide the highest level of protection for critical and essential equipment up to 32A per phase. Their compact design makes them an ideal choice for space restricted applications.



SFD 1 - 32 - 100 - 275 - [*]

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

SFD1-2-6.5-275	SFD1-6-6.5-275	SFD1-6-50-275	SFD1-10-50-275	SFD1-10-50-275-A	SFD1-20-50-275	SFD1-20-100-275	SFD1-32-50-275	SFD1-32-100-275
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Electrical Specifications

Electrical Specifications		Series						
Connection type		Series						
Modes of protection		MOV / LC Filter / MOV						
Phases		1						
Nominal voltage	U_0	240V / 50Hz						
Maximum continuous voltage	U_c	275V / 50Hz						
Maximum load current	I_L	2A	6A	10A	20A	32A		
Maximum discharge current (8/20µs) (L-N)	I_{max}	6.5kA		50kA		100kA	50kA	100kA
Nominal Discharge Current (8/20µs)	I_n	3kA		20kA		40kA	20kA	40kA
Voltage protection level @ 3kA (8/20µs)	U_p	<700V		<600V				
Response time	t_A	Instantaneous						
Earth leakage current		<500µA		<10µA				
Maximum voltage drop (% of U_0)	ΔU	<1%						
Display		-		LED status				
Alarms (optional)		-		Segment / thermal failure, clean SPDT contact				
Alarm isolation to active circuitry		-		4kV				

Mechanical Specifications

Operating temperature / humidity	-40 to +70°C / 5 to 95% non-condensing							
Connection type	Screw terminal							
Terminal capacity - power	2.5mm ²		16mm ²					
Terminal capacity - alarm	2.5mm ²							
Terminal screw torque - power	0.5Nm		2.0Nm					
Terminal screw torque - alarm	0.5Nm							
Environmental	IP 20							
Mounting	TS35 DIN rail							
Enclosure / colour	Metal / Black							
Weight	350g	440g	600g	605g	625g	730g	750g	

Dimensions

Width	27mm	54mm	72mm	108mm
Height	116mm	95mm		
Depth	78mm	70mm		

Options [*]

External alarm	-	A
Polycarbonate enclosure	P	

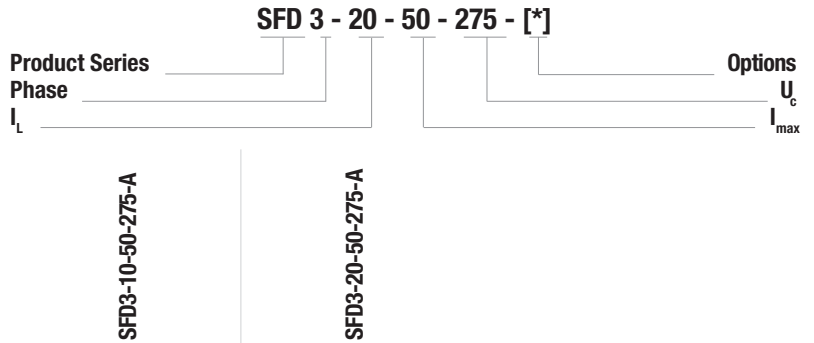
Standards Compliance

IEC 61643-1 class II, III
AS/NZS 1768 categories A, B
IEEE C62.41 categories A, B
BS 6651 categories A, B
CP 33 categories A, B
IEC 1000-4-5
UL1449 third edition

* 6.5kA models in old style extrusion

SFD Surge Filters - Three Phase

Novaris SFD surge filters provide the highest level of protection for critical and essential equipment up to 32A per phase. Their compact design makes them an ideal choice for space restricted applications.



Electrical Specifications		
Connection type		Series
Modes of protection		All mode (L-N, L-PE, N-PE)
Phases		3
Nominal voltage	U_0	240V / 50Hz
Maximum continuous voltage	U_c	275V / 50Hz
Maximum load current	I_L	10A 20A
Maximum discharge current (8/20µs) (L-N)	I_{max}	50kA
Nominal Discharge Current (8/20µs)	I_n	20kA
Voltage protection level @ 3kA (8/20µs)	U_p	<600V
Response time	t_A	Instantaneous
Earth leakage current		<10µA
Maximum voltage drop (% of U_0)	ΔU	<1%
Display		LED status
Alarms (optional)		Segment / thermal failure, clean SPDT contact
Alarm isolation to active circuit		4kV

Mechanical Specifications	
Operating temperature / humidity	-40 to +70°C / 5 to 95% non-condensing
Connection type	Screw terminal
Terminal capacity - power	16mm ²
Terminal capacity - alarm	2.5mm ²
Terminal screw torque - power	2.0Nm
Terminal screw torque - alarm	0.5Nm
Environmental	IP 20
Mounting	TS35 DIN rail
Enclosure / colour	Metal / Black
Weight	1.2kg 1.5kg

Standards Compliance
IEC 61643-1 class II, III
AS/NZS 1768 categories A, B, C
IEEE C62.41 categories A, B, C
BS 6651 categories A, B, C
CP 33 categories A, B, C
IEC 1000-4-5
UL1449 third edition

Dimensions	
Width	180mm
Height	95mm
Depth	70mm

Options	
External alarm	Standard
Polycarbonate enclosure	P