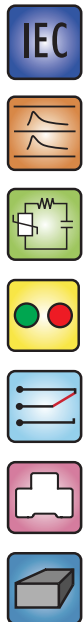
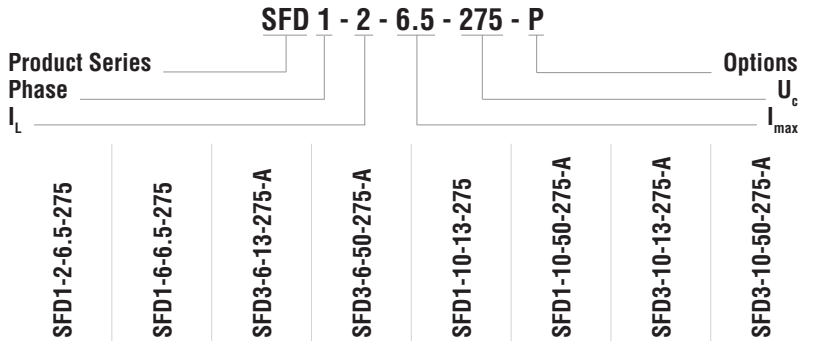


SFD Surge Filters 2 - 10A

Novaris SFD surge filters provide the highest level of protection for critical and essential equipment up to 10A per phase.



Electrical Specifications		Series							
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		1	3		1	3			
Maximum discharge current (8/20 μ s)	I_{max}	6.5kA	13kA	50kA	13kA	50kA	13kA	50kA	
Maximum load current	I_L	2A	6A		10A				
Protection stages		Metal oxide varistor / LC filter / metal oxide varistor							
Voltage protection level @ 3kA (8/20 μ s)	U_p	<700V							
Response time	t_A	Instantaneous							
Earth leakage current		<500 μ A							
Maximum voltage drop (% of U_0)	ΔU	<1%							
Displays (optional)		LED*	LED power and status						
Alarms (optional)		-	Overcurrent / thermal, SPDT contact				-		
Alarm isolation to active circuitry		-	4kV				-		

Mechanical Specifications		Series							
Operating temperature / humidity		-40 to +40°C / 0 to 90% non-condensing							
Terminal capacity - power		2.5mm ²	16mm ²		2.5mm ²	16mm ²			
Terminal capacity - alarm		2.5mm ²							
Terminal screw torque - power		0.5Nm	1.0Nm		0.5Nm	1.0Nm			
Terminal screw torque - alarm		0.5Nm							
Environmental		IP 20							
Mounting		TS35 DIN rail							
Weight		350g	1.2kg		450g	1.05kg	1.55kg		

Dimensions		Series							
Width* (can vary with options)		27mm (54mm with LED)*	180mm	54mm	118mm	180mm			
Height* (can vary with options)		116mm (95mm with LED)*	95mm						
Depth		78mm							

Options		Series							
LED indication and external alarm		-	Standard		-	Standard			
LED indication only		L*	L						
Polycarbonate enclosure		P							
Voltage variation	U_c	30V / 50V / 130V	50V / 130V	130V	50V / 130V	130V	50V / 130V	130V	

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