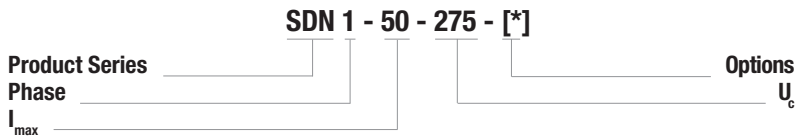


SDN All Mode Surge Diverters

Novaris SDN Surge Diverters are the ideal choice for all mode protection in major distribution switchboards. Being all mode the SDN is particularly suitable for switchboards in non MEN installations.



- SDN1-50-275
- SDN1-100-275
- SDN3-50-275
- SDN3-100-275
- SDN3-150-275
- SDN3-200-275

Electrical Specifications							
Connection type		Shunt					
Modes of protection		All mode (L-N, L-PE, N-PE)					
Phases		1	3				
Nominal voltage	U <sub>0</sub>	230V / 50Hz (110V / 60Hz by request only)					
Maximum continuous voltage	U <sub>c</sub>	275V / 50Hz (130V / 60Hz by request only)					
Maximum discharge current (8/20µs)	I <sub>max</sub>	50kA	100kA	50kA	100kA	150kA	200kA
Nominal discharge current (15 x 8/20µs)	I <sub>n</sub>	20kA	40kA	20kA	40kA	60kA	80kA
Voltage protection level @ 3kA (8/20µs)	U <sub>p</sub>	<800V					
Response time	t <sub>A</sub>	<5ns					
Earth leakage current		<10µA					
Display		LED, status					
Alarms		Segment / thermal failure, clean SPDT contact					
Alarm isolation		4kV					
Backup fuse (HRC)		32A	63A	32A	63A	80A	100A

Mechanical Specifications							
Operating temperature / humidity		-40 to +70°C / 5 to 95% non-condensing					
Terminal capacity - power		16mm <sup>2</sup>					
Terminal capacity - alarm		2.5mm <sup>2</sup>					
Terminal screw torque - power		1.0Nm					
Terminal screw torque - alarm		0.5Nm					
Environmental		IP 20					
Mounting		Panel mount / TS35 DIN					
Enclosure / colour		Metal / Black					
Weight		1.0kg	1.2kg			1.7kg	1.8kg

Dimensions							
Width		60mm	80mm			120mm	
Height		200mm					
Depth		70mm					

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

Options [*]							
Metal enclosure		M					
Polycarbonate enclosure		P					
Extended operating voltage (95-415V / 50Hz)		-			X		
Over / under voltage relay		O					
Surge Counter		C					
HRC Fusing		H					