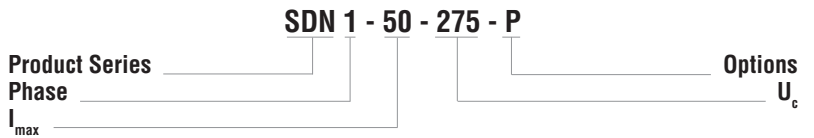


SDN All Mode Surge Diverters

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



Electrical Specifications					
Connection type		Shunt			
Modes of protection		All mode (L-N, L-PE, N-PE)			
Phases		1	3		
Nominal voltage	$U_0$	230V / 50Hz (110V / 60Hz by request only)			
Maximum continuous voltage	$U_c$	275V / 50Hz (130V / 60Hz by request only)			
Maximum discharge current (8/20µs)	$I_{max}$	50kA	100kA	50kA	100kA
Voltage protection level @ 3kA (8/20µs)	$U_p$	<800V			
Response time	$t_A$	<5ns			
Earth leakage current		<500µA			
Display		LED, status			
Alarms		Segment / thermal failure, clean SPDT contact			
Alarm isolation		4kV			
Backup fuse (HRC)		32A	63A	32A	63A

Mechanical Specifications					
Operating temperature / humidity		-40 to +40°C / 0 to 90% 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 / Blue			
Weight		1.0kg	1.2kg	1.6kg	1.6kg

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

Options					
Metal enclosure		M			
Polycarbonate enclosure		P			
Extended operating voltage (95-415V / 50Hz)		-	X		
Over / under voltage relay		0			

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