

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.



SDN 1 - 50 - 275 - P

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

SDN1-50-275

SDN1-100-275

SDN1-150-275

SDN1-200-275

SDN3-50-275

SDN3-100-275

SDN3-150-275

SDN3-200-275



Electrical Specifications

Connection type		Shunt							
Modes of protection		All mode							
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	150kA	200kA	50kA	100kA	150kA	200kA
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 +60°C / 0 to 90% non-condensing							
Terminal capacity - power		16mm ²							
Terminal capacity - alarm		2.5mm ²							
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	

Dimensions

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

Options

Metal enclosure	M
Polycarbonate enclosure	P

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