



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 main switchboards in non MEN installations.

SDN 3 -100- 275 - [*]

Product Series
Phase

I_{max}

Options
 U_c

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		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 (8/20 μ s)	I_{max}	100kA	150kA	200kA
Nominal discharge current (15 x 8/20 μ s)	I_n	40kA	60kA	80kA
Voltage protection level @ 3kA (8/20 μ s)	U_p	<800V		
Response time	t_A	<5ns		
Earth leakage current		<10 μ A		
Display		LED, status		
Alarms		Segment / thermal failure, clean SPDT contact		
Alarm isolation		4kV		
Maximum backup fuse (gG)		63A	80A	100A

Mechanical Specifications			
Operating temperature / humidity	-40 to +70°C / 5 to 95% 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 / Black		
Weight	650g	725g	800g

Dimensions	
Width	80mm
Height	140mm
Depth	68mm

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

Standards Compliance

IEC 61643-1 class I

AS/NZS 1768 categories B, C

IEEE C62.41 categories B, C

IEC 1000-4-5

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