



SDD Surge Diverter DIN

Novaris SDD Surge Diverters DIN offer powerful performance at domestic MSB and industrial DBs. The SDD diverters are housed in DIN 43880 compliant, fail-safe metal enclosures and are fully compliant to AS/NZS1768-2007 and to AS/NZS3000 wiring rules.

SDD 1 - 50 - 275 - [*]

Product Series

Phase

I_{max}

Options

U_c

SDD1-20-275	SDD1-50-275	SDD1-50-275-A	SDD1-100-275	SDD1-100-275-A	SDD3-20-275	SDD3-50-275	SDD3-50-275-A	SDD3-100-275	SDD3-100-275-A
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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					
Maximum continuous voltage	U _c	275V / 50Hz					
Maximum discharge current (8/20μs)	I _{max}	20kA	50kA	100kA	20kA	50kA	100kA
Nominal discharge current (15 x 8/20μs)	I _n	10kA	20kA	40kA	10kA	20kA	40kA
Maximum switchboard fault rating	I _{SCCR}	25kA					
Voltage protection level @ 3kA (8/20μs)	U _p	<800V					
Response time	t _A	<5ns					
Earth leakage current		<10μA					
Display		LED status per phase					
Alarms (optional)		Power fail safe, thermal overload, SPDT voltage free contact					
Alarm isolation		4kV					
Maximum backup fuse (gG)		16A	32A	63A	16A	32A	63A

Mechanical Specifications										
Operating temperature / humidity	-40 to +70°C / 5 to 95% non-condensing									
Terminal capacity - power	16mm²									
Terminal capacity - alarms	2.5mm²									
Terminal screw torque - power	1.0Nm									
Terminal screw torque - alarm	0.5Nm									
Environmental	IP 20									
Mounting	TS35 DIN rail									
Enclosure / Colour	Metal / black									
Weight	120g	150g	230g	250g	260g	300g	355g	370g	485g	495g

Dimensions									
Width		18mm		36mm		54mm		72mm	
Height		95mm							
Depth		70mm							

Options [*]										
External alarm		N/A	Standard	A	Standard	N/A	A	Standard	A	Standard
Polycarbonate enclosure		P								

Standards Compliance

IEC 61643-11 class II
AS/NZS 1768 categories B, C
IEEE C62.41 categories B, C
UL1449 fourth edition