



SDD1 DINsafe Surge Diverters

Novaris SDD DINsafe Surge Diverters offer powerful performance at domestic MSB and industrial DBs. The SDD diverters are housed in a DIN compliant, fail-safe metal enclosure.

SDD3-150-275 - A

Product Series

Phase

I_{max}

Options

U_c

SDD1-25-275

SDD1-50-275

SDD1-100-275

SDD1-100-275-A

SDD3-25-275

SDD3-50-275

SDD3-100-275

SDD3-150-275



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							
Maximum continuous voltage	U _c	275V / 50Hz							
Maximum discharge current (8/20μs)	I _{max}	25kA	50kA	100kA		25kA	50kA	100kA	150kA
Voltage protection level @ 3kA (8/20μs)	U _p	<800V							
Response time	t _A	<5ns							
Earth leakage current		<10μA							
Display		LED status							
Alarms (optional)		Segment / thermal failure, clean SPDT contact							
Alarm isolation		4kV							
Backup fuse (HRC)		32A							

Mechanical Specifications

Operating temperature / humidity	-40 to +80°C / 0 to 90% non-condensing							
Terminal capacity - power	16mm ²							
Terminal capacity - alarms	2.5mm ²							
Terminal screw torque - power	1.0Nm							
Terminal screw torque - alarm	0.5Nm							
Environmental	IP 20							
Mounting	TS35 DIN rail							
Enclosure / Colour	Metal / black							
Weight	270g		300g		440g			

Dimensions

Width	36mm	72mm
Height	95mm	
Depth	80mm	

Options

External alarm		A		Standard	A	
Polycarbonate enclosure		P				
Voltage variations	U _c	50V / 130V	130V			

Standards Compliance

IEC 61643-1 class II, III
AS/NZS 1768 categories A, B
IEEE C62.41 categories A, B
BS 6651 categories A, B
CP 33 categories A, B
IEC 1000-4-5-1995
UL1449 third edition

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