



SD Surge Diverters

Novaris MULTIMOV MSB surge diverters offer unsurpassed safety, quality and reliability in protection for your electrical system. MULTIMOV surge diverters are an ideal point-of-entry protector for all industrial, commercial and communications applications.

SD 1 - 100 - 275 - [*]



- SD1-100-275
- SD1-150-275
- SD1-200-275
- SD1-250-275
- SD3-100-275
- SD3-150-275
- SD3-200-275
- SD3-250-275

Electrical Specifications									
Connection Type		Shunt							
Modes of protection		L-N							
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 (8/20 μ s)	I_{max}	100kA	150kA	200kA	250kA	100kA	150kA	200kA	250kA
Voltage protection level @ 3kA (8/20 μ s)	U_p	<800V							
Response time	t_A	<5ns							
Earth leakage current		<5 μ A							
Display		7-segment LED, percentage active							
Alarms		Segment / thermal failure, clean SPDT contact							
Alarm isolation to active circuitry		4kV							
Recommended backup fuse (HRC) / circuit breaker		63A	80A	100A	125A	63A	80A	100A	125A

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	1.2kg

Dimensions	
Width	60mm
Height	200mm
Depth	70mm

Options [*]	
Neutral-earth protection	N
Metal enclosure	M
Polycarbonate enclosure	P
Extended operating voltage (95-415V / 50Hz)	X
Over / under voltage relay	O
Non-MEN version (L-PE)	U

Standards Compliance
IEC 61643-1 class I
AS/NZS 1768 category C
IEEE C62.41 category C
BS 6651 category C
CP 33 category C
IEC 1000-4-5
UL1449 third edition
A-tick