



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 - [*]

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

SD1-100-275

SD1-150-275

SD1-200-275

SD3-100-275

SD3-150-275

SD3-200-275

Electrical Specifications							
Connection Type		Shunt					
Modes of protection		L-N					
Phases		1			3		
Nominal voltage	U_0	230V / 50Hz (110V / 60Hz by request)					
Maximum continuous voltage	U_c	275V / 50Hz (130V / 60Hz by request)					
Maximum discharge current (8/20 μ s)	I_{max}	100kA	150kA	200kA	100kA	150kA	200kA
Nominal discharge current (15 x 8/20 μ s)	I_n	40kA	60kA	80kA	40kA	60kA	80kA
Voltage protection level @ 3kA (8/20 μ s)	U_p	<800V	<750V	<700V	<800V	<750V	<700V
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					
Maximum backup fuse (gG)		63A	80A	100A	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	500g

Dimensions	
Width	54mm
Height	140mm
Depth	68mm

Standards Compliance
IEC 61643-11 class I
AS/NZS 1768 category C
IEEE C62.41 category C
IEC 1000-4-5
UL1449 fourth edition
A-tick

Options [*]	
Neutral-earth protection (non-MEN, same dimensions)	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