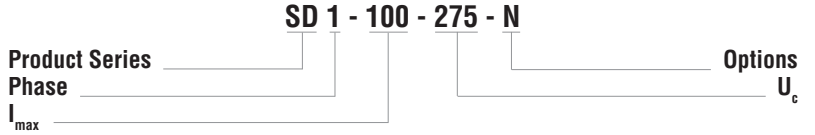


SD Surge Diverters

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.



- 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 (not supplied) | | | | | | | |

| Mechanical Specifications | | | | | | | | | |
|----------------------------------|--|--|--|--|--|-------------|--|--|--|
| Operating temperature / humidity | | -40 to +40°C / 0 to 90% 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 | | | | Panel mount | | | |
| Enclosure / Colour | | Metal / Blue | | | | | | | |
| Weight | | 1.2kg | | | | 5.0kg | | | |

| Dimensions | | | | | | | | | |
|------------|--|-------|--|--|--|-------|--|--|--|
| Width | | 60mm | | | | 260mm | | | |
| Height | | 200mm | | | | 310mm | | | |
| Depth | | 70mm | | | | 78mm | | | |

| 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 |