

SDH-100-2000

Runway Lighting, LV and MV Switchboards

The Novaris high voltage surge diverters have been engineered for system voltages above 275V AC/DC. Typical applications include aviation runway lighting, mining, industrial processing and railway industries. The Novaris SDH units are designed to plug in to standard HRC fuse holders for use in switchboards and other medium voltage electrical installations, removal of the SDH is simply a matter of pulling the unit from the fuse holder using the handle on the front panel. -A units come with a thermal alarm with voltage free contacts, the contacts are normally closed but will permanently open if the unit is overheated.



Image for illustrative purposes only

Electrical Specifications

| | | |
|---|-----------|--------|
| Connection type | | Shunt |
| Maximum continuous voltage (AC) | U_c | 2000V |
| Modes of protection | | L-PE |
| Number of ports | | 1 |
| Number of phases | | 1 |
| Location | | Indoor |
| Maximum discharge current (8/20 μ s) | I_{max} | 100kA |
| Nominal discharge current (8/20 μ s) | I_n | 40kA |
| Lightning impulse current (10/350 μ s) | I_{imp} | 12.5kA |
| Voltage protection level (3kA 8/20 μ s) | U_p | <4800V |
| Maximum backup fuse | | 63A |
| Response time | t_A | <25ns |

Mechanical Specifications

| | | |
|-------------------------------|--|------------------------|
| Minimum operating temperature | | -40°C |
| Maximum operating temperature | | 85°C |
| Minimum operating humidity | | 5% |
| Maximum operating humidity | | 95% |
| Mounting method | | Red Spot HRC fuse base |
| Environmental rating | | IP20 |
| Enclosure material | | ABS ceramic |
| Terminal capacity - power | | 25mm ² |
| Terminal screw torque - power | | 2.5Nm |
| Length | | 162mm |
| Width | | 57mm |
| Height | | 215mm |
| Dimensional tolerance | | 0.5mm |

Standard Specifications

| | |
|--------------|--|
| IEC 61643-11 | SPD connected to low-voltage power systems - Type 1, 2 |
| AS 1768 | Low voltage SPD - LPZ0/1 |
| IEEE 62.41 | Low voltage SPD - Cat C |

Shipping Specifications

| | | |
|--------|--|-----|
| Weight | | 2kg |
|--------|--|-----|

Options

| | |
|----------------------|----|
| GEC RSL63H mounting | H |
| GEC RSL63P mounting | P |
| GEC RSL63PH mounting | PH |

V2 - Approved - 2025/12/22