SDH-100-550

Image for illustrative purposes only

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.

Electrical Specifications

Connection type		Shunt
Maximum continuous voltage (AC)	U_c	550V
Modes of protection		L-PE
Number of ports		1
Number of phases		1
Location		Indoor
Maximum discharge current (8/20 µs)	I_{max}	100kA
Nominal discharge current (8/20 µs)	I_n	40kA
Lightning impulse current (10/350 µs)	I_{imp}	12.5kA
Voltage protection level (3kA 8/20µs)	U_p	<1600V
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		25mm²
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

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