

SDH-100-2000-A



High voltage surge diverter

The Novaris high voltage surge diverters have been engineered for system voltages above 600V_{rms}. 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.

Specifications

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
Voltage protection level (3kA 8/20 μ s)	U_p	<4800V
Response time	t_A	<5ns

Indication Specifications

Alarm		Thermal failure
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Mechanical Specifications

Minimum operating temperature		-40°C
Maximum operating temperature		70°C
Minimum operating humidity		5%
Maximum operating humidity		95%
Mounting method		HRC fuse base
Environmental rating		IP20
Enclosure material		ABS ceramic
Terminal capacity - power		25mm ²
Terminal screw torque - power		2.5Nm
Terminal capacity - alarms		2.5mm ²
Terminal screw torque - alarms		0.5Nm
Length		162mm
Width		57mm
Height		214mm

Other Specifications

Product Code		SDH-100-2000-A
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Shipping Specifications

Weight		2kg
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Relevant Standards

IEC 61643-11
AS1768
IEEE 62.41.2

SPD connected to low-voltage power systems - Type 1 & Type 2
Low voltage SPD - Type 2
Low voltage SPD - Cat B