

SDH2-40-2400

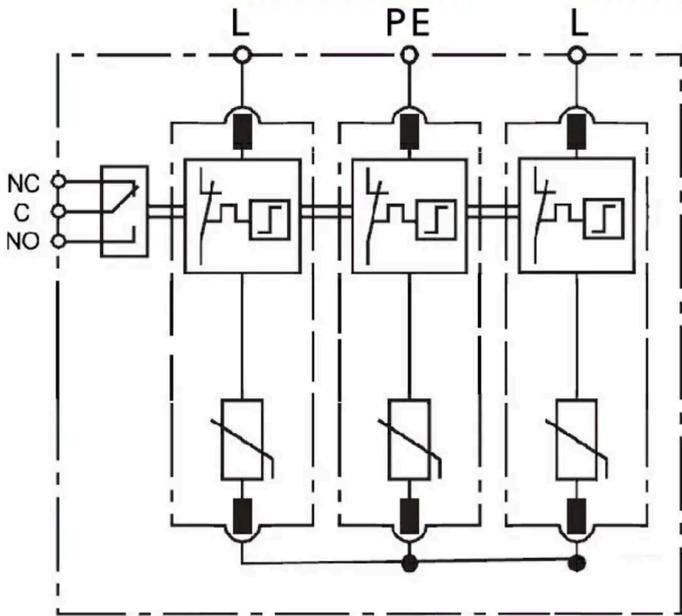
High voltage surge diverter for airfield lighting

Modern solar inverter systems are vital for renewable energy systems, as these systems are spread over a large area and are susceptible to damage by direct lightning strikes and nearby ground strikes that can result in induced surges also causing damage. Such damage can result in compromised safety and downtime to operations. Novaris SDH2 provides maximum protection for solar systems by providing 3 Phase to earth protection. The high operating voltage allows for their use on all 800V systems, and the 40k surge rating provides robust protection. They incorporate internal thermal safety disconnects, ensuring safe disconnection in the event of the unit reaching its end of life, and allowing the solar system to remain operational, visual indication and alarm contacts for condition monitoring.

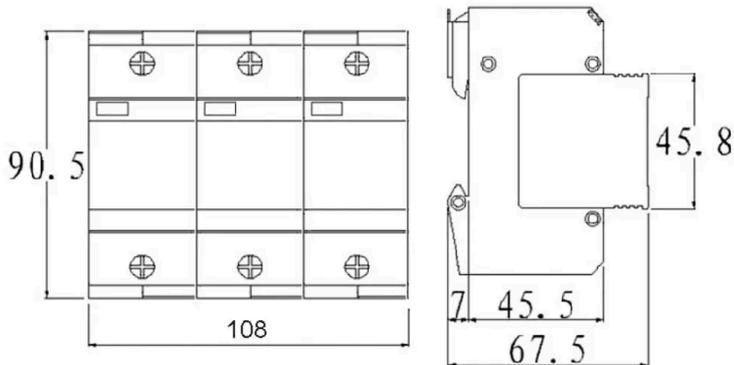


Image for illustrative purposes only

Wiring



Dimensions



Product Datasheet

Electrical Specifications

Connection type		Shunt
Maximum continuous voltage (AC)	U_c	2400V
Modes of protection		L-L, L-PE
Number of ports		1
Number of phases		1
Location		Indoor
Maximum discharge current (8/20 μ s)	I_{max}	40kA
Nominal discharge current (8/20 μ s)	I_n	15kA
Voltage protection level (In)	U_p	<4500V
Response time	t_A	<25ns

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		TS35 DIN Rail
Environmental rating		IP20
Enclosure material		Thermoplastic
Terminal capacity - power		25mm ²
Terminal screw torque - power		2.5Nm
Terminal capacity - alarms		2.5mm ²
Terminal screw torque - alarms		0.5Nm
Length		91mm
Width		108mm
Height		68mm

Shipping Specifications

Weight		500g
Customs tariff		85354010

Other Specifications

Product Code		SDH2-40-2400
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