

SDPV-100-1000



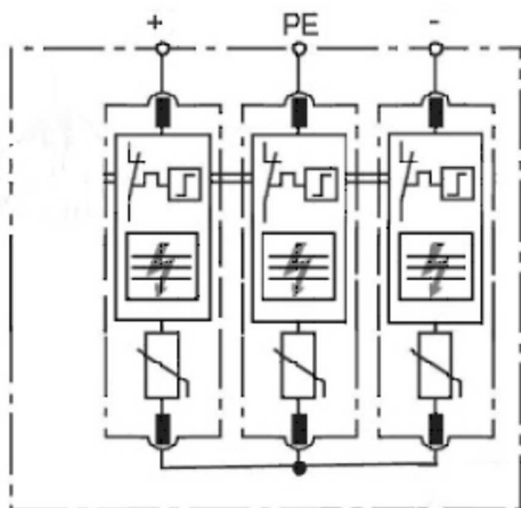
Solar Protector

Novaris SDPV's are designed for photovoltaic system DC-side protection against the damage from surges caused by lightning or over voltages.

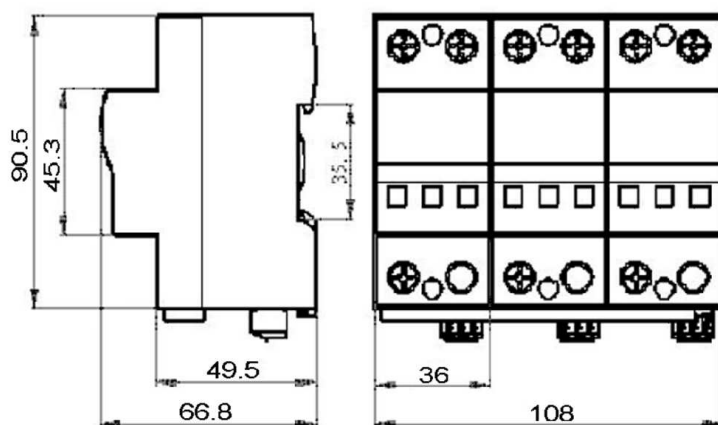
Replaceable pluggable elements

Pluggable design allows for easy removal and replacement.

Wiring



Dimensions



All Dimension in mm

Standards

EN50539-11

Product Datasheet

Electrical Specifications

Connection type		Shunt
Modes of protection	 (+)-(-), (+)-PE, (-)-PE	
Number of ports		1
Number of phases		2
Location		Indoor
Nominal voltage	U_0	1000VDC
Short circuit withstand level	I_{SSCR}	40kA
Maximum backup fuse		160A
Earth leakage current	I_{PE}	<1mA

Electrical (L-L) Specifications

Maximum continuous voltage DC	U_c	1060VDC
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	<4500V
Response time	t_A	<25ns

Electrical (L-PE) Specifications

Maximum discharge current (8/20 μ s)	I_{max}	100kA
Lightning impulse current (10/350 μ s)	I_{imp}	40kA
Nominal discharge current (8/20 μ s)	I_n	12kA
Voltage protection level (1kV/ μ s)	U_p	<4500V
Response time	t_A	<25ns

Indication Specifications

Display  Status indicator

Mechanical Specifications

Minimum operating temperature		-40°C
Maximum operating temperature		80°C
Minimum operating humidity		5%
Maximum operating humidity		95%
Mounting method		TS35 DIN Rail
Environmental rating		IP20
Enclosure material		Thermoplastic
Terminal capacity - power		35mm ²
Terminal screw torque - power		2Nm
Length		91mm
Width		108mm
Height		66mm

Other Specifications

Product Code  SDPV-100-1000

Shipping Specifications

Weight		500g
Customs tariff		85354010