

SDPV-50-1500



Image for illustrative purposes only

SDPV Solar Protector

Novaris SDPVs are designed for photovoltaic system DC-side protection against damages from surges caused by direct and indirect lightning strikes to the PV array.

The SDPV-50-1500 is a Type 1 / Type 2 surge protection device.

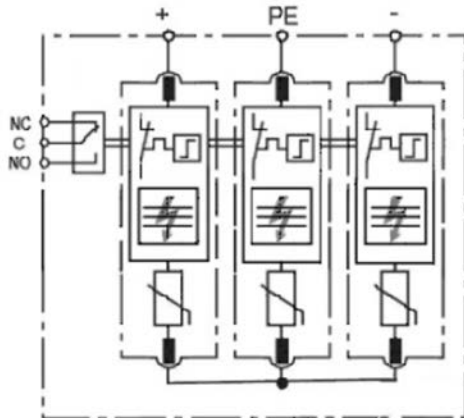
Remote Alarm

Can be used for detecting thermal failure and protective segment failure.

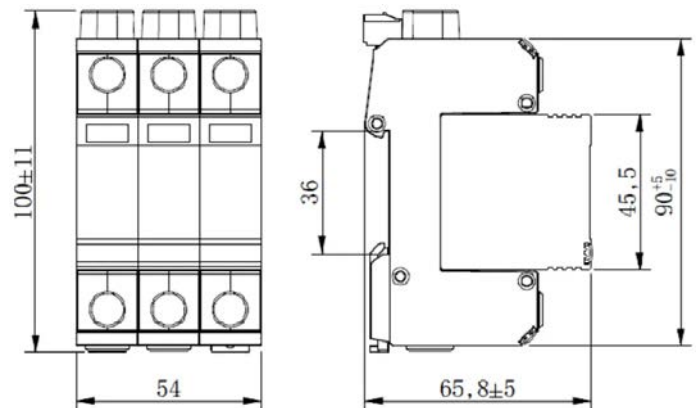
Replaceable pluggable elements

Pluggable design allows for easy removal and replacement.

Wiring



Dimensions



Product Datasheet

Electrical Specifications

Connection type		Shunt
SPD Type		T1/T2
Modes of protection		(+)-(-), (+)-PE, (-)-PE
Number of ports		1
Number of phases		2
Location		Indoor
Nominal voltage	U_0	1500VDC
Short circuit withstand level	I_{SCCR}	50kA
Earth leakage current	I_{PE}	<2 μ A

Electrical (L-L) Specifications

Maximum continuous voltage	U_c	1060VAC
Maximum continuous voltage DC	U_c	1500VDC
Maximum discharge current (8/20 μ s)	I_{max}	50kA
Nominal discharge current (8/20 μ s)	I_n	20kA
Impulse discharge current (10/350 μ s)	I_{imp}	6.25kA
Voltage protection level (3kA 8/20 μ s)	U_p	<4000V
Response time	t_A	<25ns

Electrical (L-PE) Specifications

Maximum discharge current (8/20 μ s)	I_{max}	50kA
Nominal discharge current (8/20 μ s)	I_n	20kA
Impulse discharge current (10/350 μ s)	I_{imp}	6.25kA
Total discharge current L+L-E (10/350 μ s)	I_{tot}	12.5kA
Voltage protection level (3kA 8/20 μ s)	U_p	<4000V
Response time	t_A	<25ns

Indication Specifications

Display		Status indicator
Alarm		Thermal failure
Alarm isolation		4kV

Mechanical Specifications

Minimum operating temperature		-40°C
Maximum operating temperature		85°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
Terminal capacity - alarms		1.5mm ²
Terminal screw torque - alarms		0.5Nm
Length		100mm
Width		54mm
Height		66mm

Standard Specifications

EN 50539-11

IEC61643-31

Other Specifications

Product Code		SDPV-50-1500
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Shipping Specifications

Weight		500g
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