

SDPV-50-1000

SDPV Solar Protector

Novaris SDPV's are designed for photovoltaic system DC-side protection against the damage from surges caused by lightning or over voltages. These SPD's are Type1/Type2.

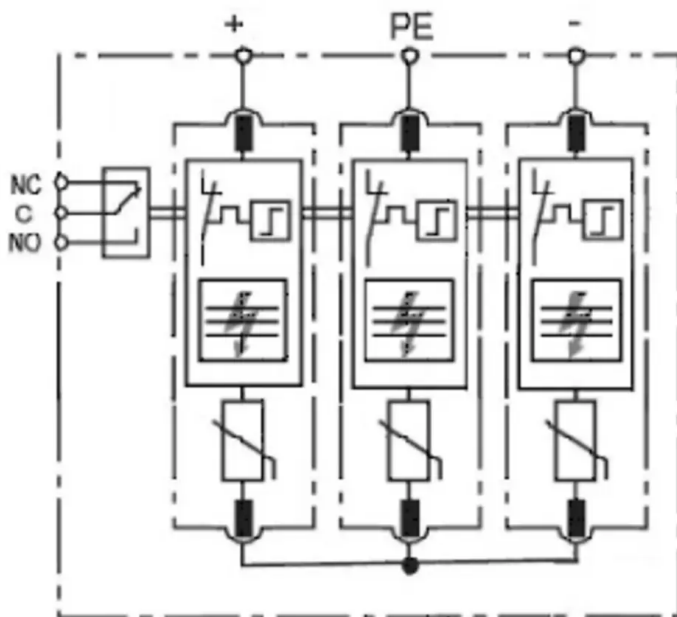
Replaceable pluggable elements

Pluggable design allows for easy removal and replacement.

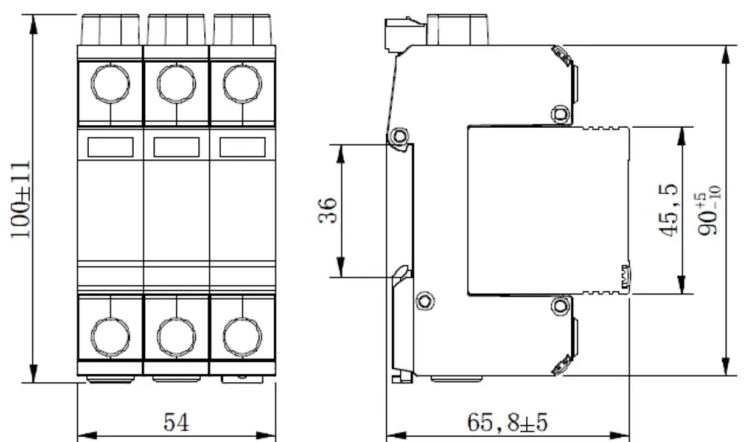


Image for illustrative purposes only

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	1000VDC
Short circuit withstand level	I_{SCCR}	50kA
Earth leakage current	I_{PE}	<2μA

Electrical (L-L) Specifications

Maximum continuous voltage AC	U_c	710VAC
Maximum continuous voltage DC	U_c	1000VDC
Maximum discharge current (8/20 μs)	I_{max}	50kA
Nominal discharge current (8/20 μs)	I_n	20kA
Lightning impulse current (10/350 μs)	I_{imp}	6.25kA
Voltage protection level (3kA 8/20μs)	U_p	<3000V
Response time	t_A	<25ns

Electrical (L-PE) Specifications

Maximum discharge current (8/20 μs)	I_{max}	50kA
Nominal discharge current (8/20 μs)	I_n	20kA
Lightning impulse current (10/350 μs)	I_{imp}	6.25kA
Total current		12.5kA
Voltage protection level @ 1 kV/ μs	U_p	<3000V
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		70°C
Minimum operating humidity		5%
Maximum operating humidity		95%
Mounting method		TS35 DIN Rail
Environmental rating		IP20
Enclosure material		Thermoplastic
Terminal capacity - power		35mm²
Terminal screw torque - power		2Nm
Terminal capacity - alarms		1.5mm²
Terminal screw torque - alarms		0.5Nm
Length		100mm
Width		54mm
Height		66mm

Standard Specifications

EN 50539-11	Low-voltage surge protective devices
IEC 61643-31	Low-voltage surge protective devices

Shipping Specifications

Weight		500g
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Other Specifications

Product Code		SDPV-50-1000
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