

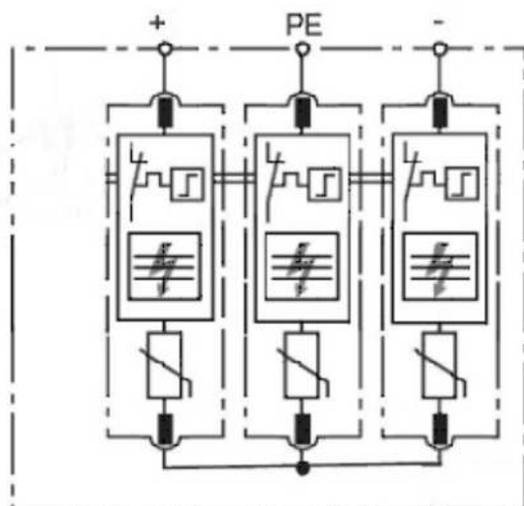
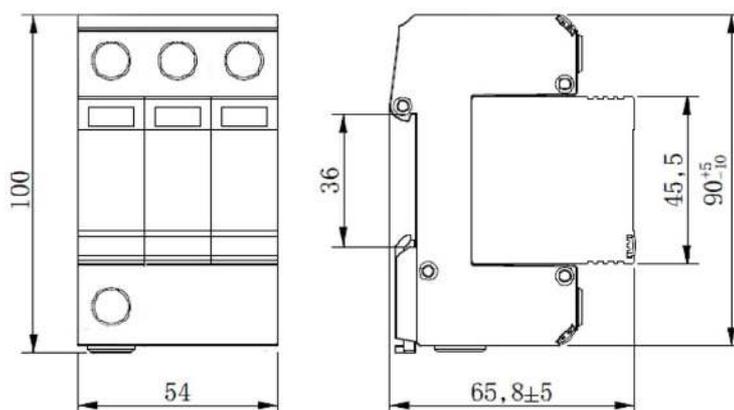
## SDPV-40-1000

**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****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
Recommended SCB		SCB1-3-80
Earth leakage current	$I_{PE}$	<2 $\mu$ A

## Electrical (L-L) Specifications

Maximum continuous voltage AC	$U_c$	710VAC
Maximum continuous voltage DC	$U_c$	1000VDC
Maximum discharge current (8/20 $\mu$ s)	$I_{max}$	40kA
Nominal discharge current (8/20 $\mu$ s)	$I_n$	20kA
Voltage protection level (3kA 8/20 $\mu$ s)	$U_p$	<4200V
Response time	$t_A$	<25ns

## Electrical (L-PE) Specifications

Maximum discharge current (8/20 $\mu$ s)	$I_{max}$	40kA
Nominal discharge current (8/20 $\mu$ s)	$I_n$	20kA
Voltage protection level (1kV/ $\mu$ s)	$U_p$	<4200V
Response time	$t_A$	<25ns

## Indication Specifications

Display  Status indicator

## 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 <sup>2</sup>
Terminal screw torque - power		2Nm
Length		100mm
Width		54mm
Height		66mm

## Shipping Specifications

Weight  325g