

# SURGE PROTECTION DEVICES FOR PHOTOVOLTAIC APPLICATIONS

## SG2PV TYPE



### Type 1,2 for photovoltaic applications, with plug-in cartridge Iimp=5kA



SG2PVT1K10M5

Order code	Pole arrangement	Relay output	DIN modules	Qty per pkg	Wt
			n°	n°	[kg]

Rated voltage Un 1100VDC.

SG2PVT1K10M5	+, +, PE, -, -	NO	5	1	0,697
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#### General characteristics

The surge protection devices SG2PV... type with plug-in cartridge for photovoltaic applications are designed for DC systems.

They feature a dual input for connecting two independent strings, offering a more compact (5-module width), cost-effective, and faster-to-install solution compared to the traditional configuration with individual string protection.

#### Operating characteristics

- EN Maximum continuous voltage Ucpv: 1100VDC
- EN short-circuit current rating Iscpv: 11kA for SG2PVT1K10M5 and 9kA for SG2PVT2K10M5
- IEC degree of protection: IP20.

### Type 2 for photovoltaic applications, with plug-in cartridge In=20 kA



SG2PVT2K10M5

Order code	Pole arrangement	Relay output	DIN modules	Qty per pkg	Wt
			n°	n°	[kg]

Rated voltage Un 1100VDC.

SG2PVT2K10M5	+, +, PE, -, -	NO	5	1	0,507
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#### Characteristics

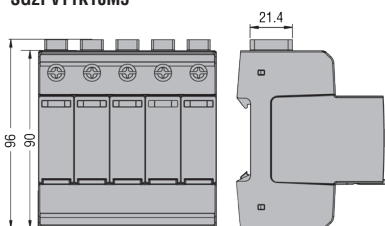
Code	EN Rated voltage Un	EN Continuous voltage Ucpv	EN Protection level Up
	[VDC]	[VDC]	[kV]
SG2PVT1K10M5	1100	1100	<3.8
SG2PVT2K10M5	1100	1100	<4.2

#### Certifications and compliance

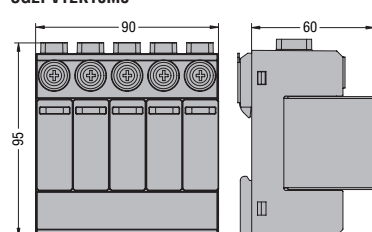
Compliant with standards: EN/BS 50539-11.

### Dimensions

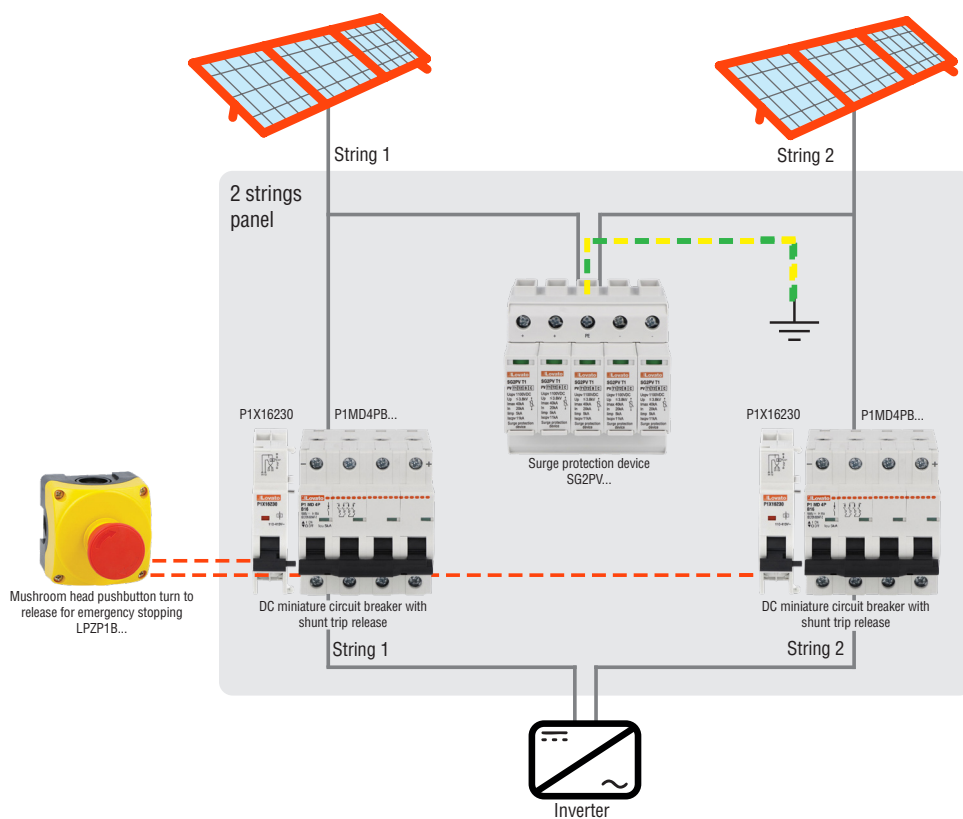
SG2PVT1K10M5



SG2PVT2K10M5



#### Logical connection diagram



### Wiring diagram

SG2PV...

