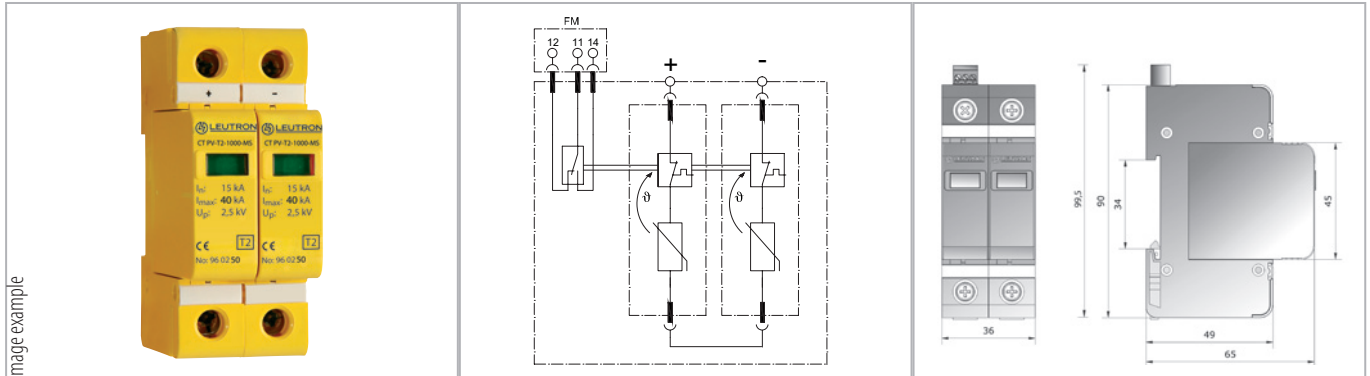


# Datasheet

## Surge protection for power supply systems

### SPD type 2 for DC power supplies (Photovoltaic application)



Fully pluggable surge protective arrester for the use in photovoltaic applications. Suitable fuse-free earthed photovoltaic applications with system voltages up to 1000V DC.

- Applicable at the boundaries LPZ 0B - 1 and higher
- Test standard: IEC 61643-1 / EN 61643-11
- Vibration test standard: DIN EN 60068-2-6, IEC 60068-2-6
- Shock test standard: DIN EN 60068-2-27, IEC 60068-2-27
- Mounting on 35 mm DIN rail
- Degree of protection according to IEC EN 60529: IP 20
- Inflammability class according to UL 94 V0
- Space required for installation: 36 mm
- With remote changeover contact (FM)

Technical Data		CT PV-T2/2-0/1000-FM
IEC category/EN type		Type 2 / class II
Open-circuit voltage	UOC max.	≤ 1000V=
Max. continuous operating voltage DC	Uc	1000V=
Max. short-circuit current	ISC max.	tbd.
Nominal discharge current (8/20)	In	15 kA
Max. impulse discharge current (8/20μs)	Imax	40 kA
Protection Level L+-L-	Up	5 kV
Operating temperature range	TU	-40 - +80 °C
Min. conductor cross section at terminals		1.5mm <sup>2</sup> solid/flexible
Max. conductor cross section		35mm <sup>2</sup> stranded/25mm <sup>2</sup> flexible
Dimension (DIN 43880)		2 TE (36 mm)
Max. operating voltage remote contact		250 V AC/125 V DC
Max. operating current remote contact		1 A AC/200 mA DC
Composed of: number of moduls		2x 96 02 50

Order Data	
Product	CT PV-T2/2-0/1000-FM
Article-No.	96 02 23

Accessories	
Product	CT PV-T2-1000-MS
Article-No.	96 02 50

Replacement protective plug for DC surge arresters type 2.