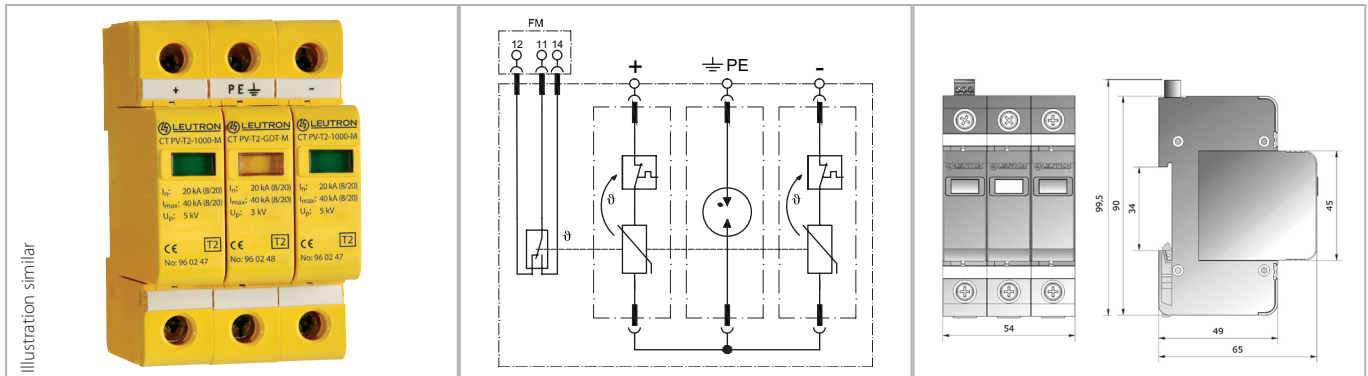


# Datasheet

## Surge protection of power supply

### Surge arresters for Photovoltaic Installations



Fully pluggable and leakage-free surge protective arrester for the use in photovoltaic applications. Suitable for insulated photovoltaic applications with system voltages up to 600 or 1000 V DC.

- Applicable at the boundaries LPZ OB - 1 and higher
- Leakage current-free
- Test standard: IEC 61643-11 / 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 (EN 60715)
- Degree of protection according to IEC EN 60529: IP 20
- Space required for installation: 54 mm
- With remote changeover contact
- Inflammability class according to UL 97 V0
- EAC certification

#### Technical Data

#### CT PV-T2/2+GDT/1000-FM

IEC category		Type 2 / class II
Open-circuit voltage	UOC max.	≤ 1000 V=
Max. continuous operating voltage DC	Uc	1000 V=
Max. short-circuit current	ISC max.	tbd.
Nominal discharge current (8/20 μs)	In	20 kA
Max. impulse discharge current (8/20 μs)	I <sub>max</sub>	40 kA
Protection Level L+-L-	Up	5 kV
Protection level L+/L- -PE	Up	3 kV
Operating temperature range	TU	-40 - +80 °C
Min. conductor cross section at terminals		1.5 mm <sup>2</sup> solid/flexible
Max. conductor cross section		35 mm <sup>2</sup> stranded/25 mm <sup>2</sup> flexible
Dimension (DIN 43880)		3TE
Max. operating voltage remote contact		250 V AC/125 V DC
Max. operating current remote contact		1 A AC/200 mA DC
Max. locking torque FM terminals		0,25 Nm

#### Order Data

Product	CT PV-T2/2+GDT/1000-FM
Article-No.	96 02 31