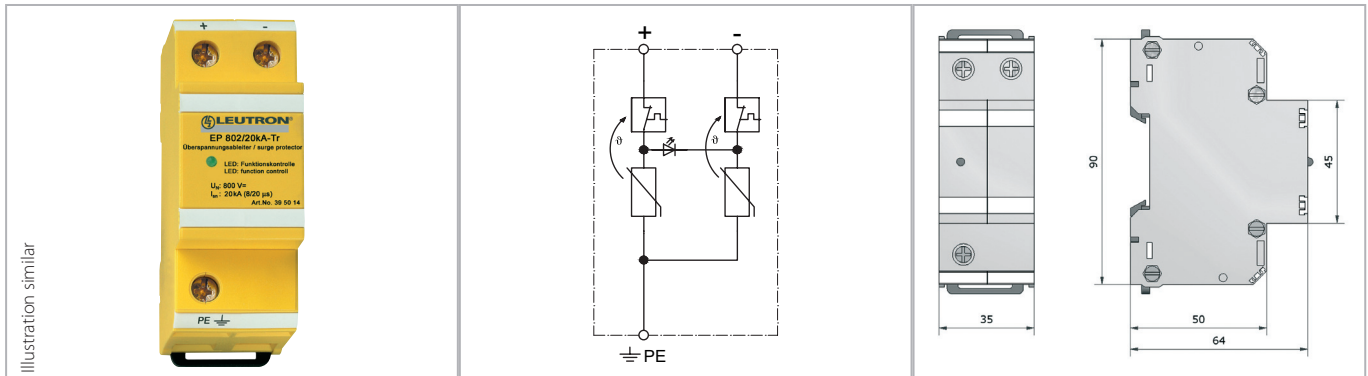


Datasheet

Surge protection of power supply

Surge arresters for Photovoltaic Installations



These devices (class II) provide overvoltage protection for the dc part in PV installations. When used in PV-installations, they are installed in the generator connection box and on the DC side of the AC converter.

- Mounting on 35 mm DIN rail (EN 60715)
- Degree of protection according to IEC EN 60529: IP 20
- Inflammability class according to UL 94 V0
- EAC certification

Technical Data		EP 802/20kA-Tr
IEC category		Type 2 / class II
PV voltage	UocSTC	800 V=
Max. continuous operating voltage DC	Uc	1000 V=
Protection level at In (8/20 μs)	Up	≤ 2,5 kV
Protection level at 5 kA	Up	≤ 2,0 kV
Response time	tA	< 25 ns
Nominal discharge current (8/20 μs)	In	20 kA
Max. impulse discharge current (8/20 μs) line to PE	Imax	40 kA
Max. allowed fuse or back-up fuse		125 A gG
Operating temperature range	TU	-40 - +80 °C
Min. conductor cross section at terminals		10 mm ² solid/flexible
Max. conductor cross section (L1, L2, PE)		50 mehrdr. /35 feindr. mm ²
Max. connection torque for terminals		4,0 Nm
Enclosure material / colour		polycarbonate (halogen-free) UL 94-V0 / yellow
Casting compound		Polyurethane
Degree of protection (IEC EN 60529)		IP 20
Mounting on		35 mm DIN rail (DIN EN 60715)

Order Data	
Product	EP 802/20kA-Tr
Article-No.	39 50 14