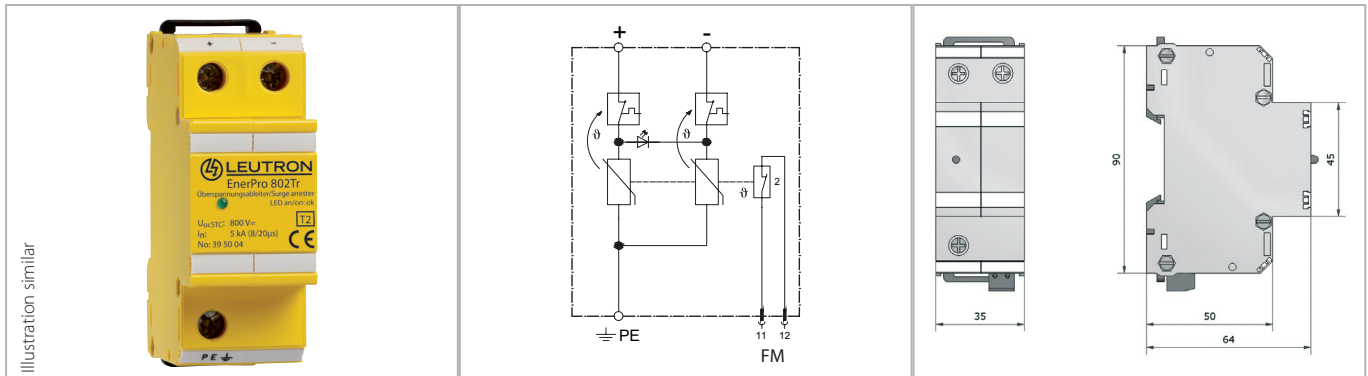


Datasheet

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.

- With potential-free remote signalling contact (Pk)
- Function control indication via LED
- 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		EnerPro 802Tr/Pk
IEC category		Type 2 / class II
PV voltage	UocSTC	800 V=
Max. continuous operating voltage DC	Uc	880 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	5 kA
Max. impulse discharge current (8/20 µs) line to PE	Imax	10 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 mm² solid/flexible
Max. conductor cross section		stranded 50/fine stranded 35 mm²
Max. connection torque for terminals		4,0 Nm
Enclosure material / colour		polycarbonate (halogen-free) UL 94-V0 / yellow
Degree of protection (IEC EN 60529)		IP 20
Mounting on		35 mm DIN rail (DIN EN 60715)
Pk contact / contact type		break contact
Switching capacity Pk		250 V/2 A
Max. conductor cross section Pk		1,5 mm²

Order Data	
Product	EnerPro 802Tr/Pk
Article-No.	39 50 05