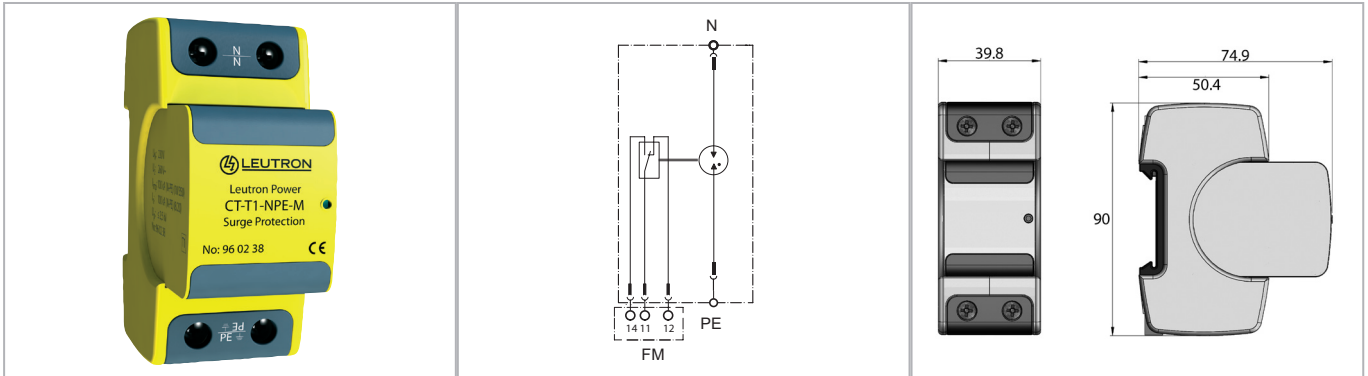


Surge protection of power supply

Lightning current arrester Type 1 for AC power supplies / CT Series



Lightning current cappable and rare-gas-filled summation current spark gap for the use between N - PE wire. They provide extremely high discharge capacity with at the same time very low protection levels and they also do not need any damageable internal or external electronic trigger.

- Applicable at the LPZ transition point OA-1 respectively OA-2 and higher
- 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
- Enclosure material: thermoplastic with the colors yellow and black
- 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
- No leakage currents, thus, allowing installation upstream of power meters
- Optical status indication (red pin appears)
- Single modules can be replaced easily
- Remote changeover contact
- Max. operating current remote contact: 1 A AC/200 mA DC
- EAC certification

Technical Data

CT-T1/0+1-FS-FM

IEC category		Type 1
Nominal voltage AC	UN	230 V~
Max. continuous operating voltage AC (50/60 Hz)	Uc	260 V~
Lightning impulse current (10/350 µs) total	I _{total}	100 kA
Lightning impulse current (10/350 µs) L-N/N-PE/L-PEN	I _{imp}	- / 100 / - kA
Nominal discharge current (8/20 µs) L-N/N-PE/L-PEN	I _n	- / 100 / - kA
Protection level	U _p	≤ 2,5 kV
Follow-on current extinguishing capability AC N-PE	I _{fi}	100 A _{eff}
Short-circuit withstand capability at max. back-up fuse	I _{SCCR}	50 kA _{eff}
Max. acceptable backup fuse (branch wiring)		250 A gG
Max. acceptable backup fuse (V-type through wiring)		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		50 mm ² stranded/35 mm ² flexible
Recommended conductor cross section		25 mm ²
Max. connection torque for terminals		4,0 Nm
Power supply system		between N and PE
Composed of: number of moduls		1x 96 02 38
Installation width		39,8 mm
Max. operating voltage remote contact FM		250 V AC/125 V DC

Order Data

Product	CT-T1/0+1-FS-FM
Article-No.	96 02 33