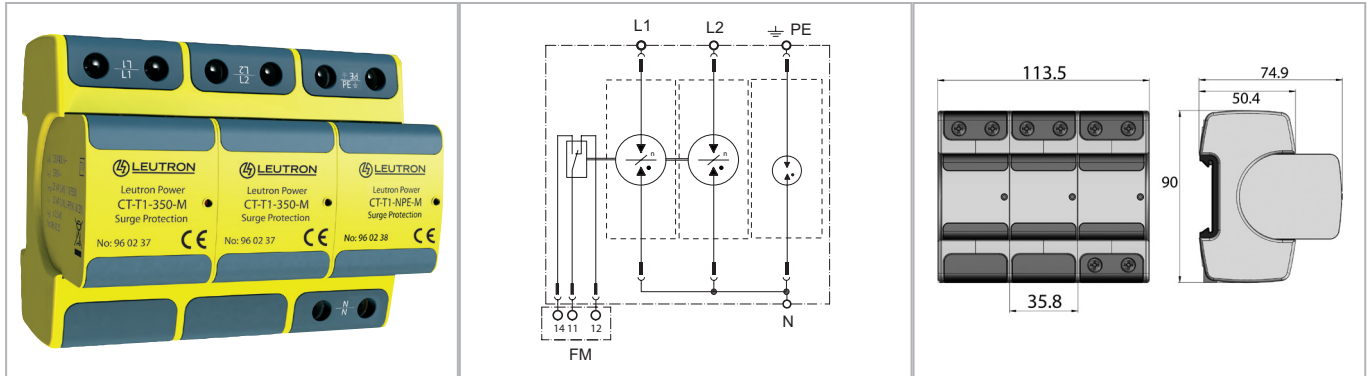


## Surge protection of power supply

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



**Multi-pole lightning current arrester (class I) for 2-phase TT systems. 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 boundaries LPZ 0A - 1
- Test standard: IEC 61643-11 / EN 61643-11
- Shock test standard: DIN EN 60068-2-27, IEC 60068-2-27
- Vibration test standard: DIN EN 60068-2-6, IEC 60068-2-6
- No leakage currents, thus, allowing installation upstream of power meters
- Mounting on 35 mm DIN rail (EN 60715)
- Enclosure material: thermoplastic with the colors yellow and black
- Degree of protection according to IEC EN 60529: IP 20
- Inflammability class according to UL 94 V0
- Optical status indication (red pin appears)
- Single modules can be replaced easily
- Remote changeover contact
- Max. operating voltage remote contact: 250 V AC/125 V DC
- Max. operating current remote contact: 1 A AC/200 mA DC
- EAC certification

#### Technical Data

#### CT-T1/2+1-350-FM

IEC category		Type 1
Nominal voltage AC	UN	230/400V~
Max. continuous operating voltage AC (50/60 Hz)	Uc	350V~
Lightning impulse current (10/350 µs) total	I <sub>total</sub>	100 kA
Lightning impulse current (10/350 µs) L-N/N-PE/L-PEN	I <sub>imp</sub>	25 / 100 / - kA
Nominal discharge current (8/20 µs) L-N/N-PE/L-PEN	I <sub>n</sub>	25 / 100 / - kA
Protection level	U <sub>p</sub>	≤ 2,5 kV
Follow-on current extinguishing capability AC L-N (260 V AC)	I <sub>fi</sub>	10 kA <sub>eff</sub>
Short-circuit withstand capability at max. back-up fuse	ISCCR	50 kA <sub>eff</sub>
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 <sup>2</sup> solid/flexible
Max. conductor cross section		50 mm <sup>2</sup> stranded/35 mm <sup>2</sup> flexible
Recommended conductor cross section		25 mm <sup>2</sup>
Max. connection torque for terminals		4,0 Nm
Power supply system		2 phase TT system
Composed of: number of moduls		2x 96 02 37 / 1x 96 02 38
Installation width		113,5 mm
Follow-on current extinguishing capability AC N-PE	I <sub>fi</sub>	100 A <sub>eff</sub>

#### Order Data

Product	CT-T1/2+1-350-FM
Article-No.	96 02 11