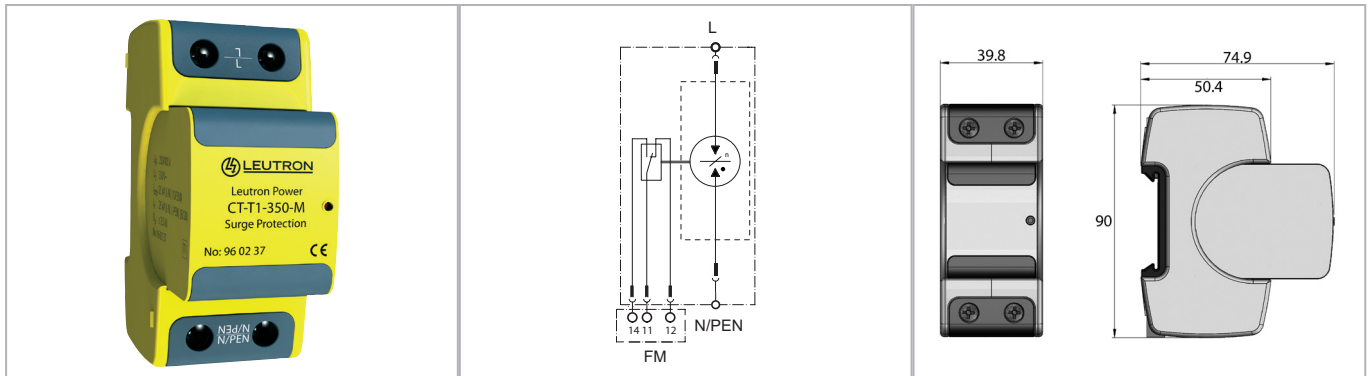


Datasheet

Surge protection of power supply

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



Lightning current discharge arrester (class I) with rare-gas-filled spark gap for the use between L - N 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 boundaries LPZ OA - 1
- 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)
- 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
- 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-T1/1+0-350-FM
IEC category		Type 1
Nominal voltage AC	UN	230/400 V~
Max. continuous operating voltage AC (50/60 Hz)	Uc	350 V~
Lightning impulse current (10/350 µs) total	I _{total}	25 kA
Lightning impulse current (10/350 µs) L-N/N-PE/L-PEN	I _{imp}	25 / - / - kA
Nominal discharge current (8/20 µs) L-N/N-PE/L-PEN	I _n	25 / - / 25 kA
Protection level	Up	≤ 2,5 kV
Follow-on current extinguishing capability AC L-N (260 V AC)	I _{fi}	10 kA _{eff}
Short-circuit withstand capability at max. back-up fuse	ISCCR	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 L and N
Composed of: number of moduls		1x 96 02 37
Installation width		39,8 mm
Max. operating voltage remote contact FM		250 V AC/125 V DC

Order Data	
Product	CT-T1/1+0-350-FM
Article-No.	96 02 17