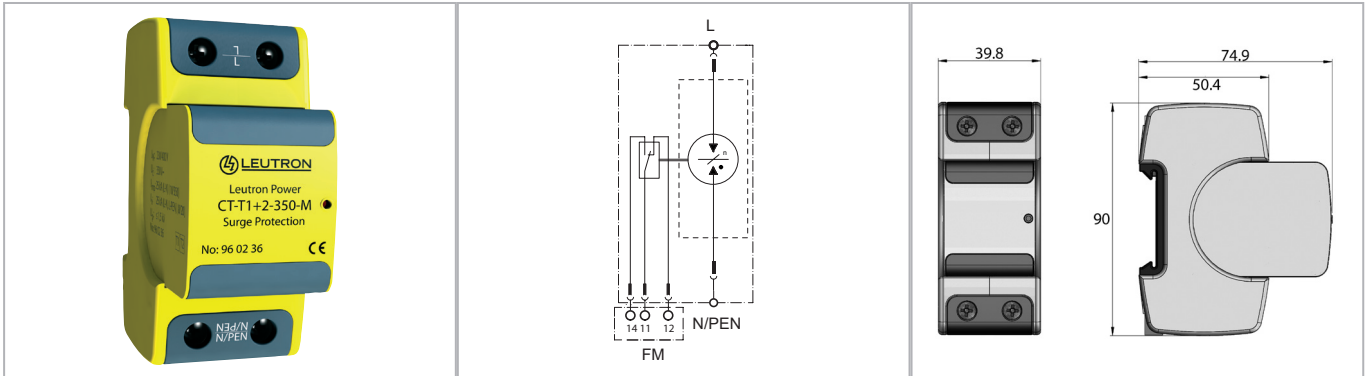


Datasheet

Surge protection of power supply

Combined arrester type 1 + 2 for AC power supplies / CT series



Lightning current discharge arrester with rare-gas-filled spark gap and very low protection level < 1.5 kV 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 0A - 2
- Test standard: IEC 61643-11 / EN 61643-11
- 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
- Vibration test standard: DIN EN 60068-2-6, IEC 60068-2-6
- Shock test standard: DIN EN 60068-2-27, IEC 60068-2-27
- Optical status indication (red pin appears)
- Single modules can be replaced easily
- EAC certification
- Remote changeover contact
- Max. operating current remote contact: 1 A AC/200 mA DC

| Technical Data | | CT-T1+2/1+0-350-FM |
|--|--------------------|---|
| IEC category | | Type 1 + 2 / class I+II |
| 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 | ≤ 1,5 kV |
| Follow-on current extinguishing capability AC L-N (260 V AC) | I _{fi} | 4 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 36 |
| Installation width | | 39,8 mm |
| Max. operating voltage remote contact FM | | 250 V AC/125 V DC |

| Order Data | |
|-------------|--------------------|
| Product | CT-T1+2/1+0-350-FM |
| Article-No. | 96 00 11 |