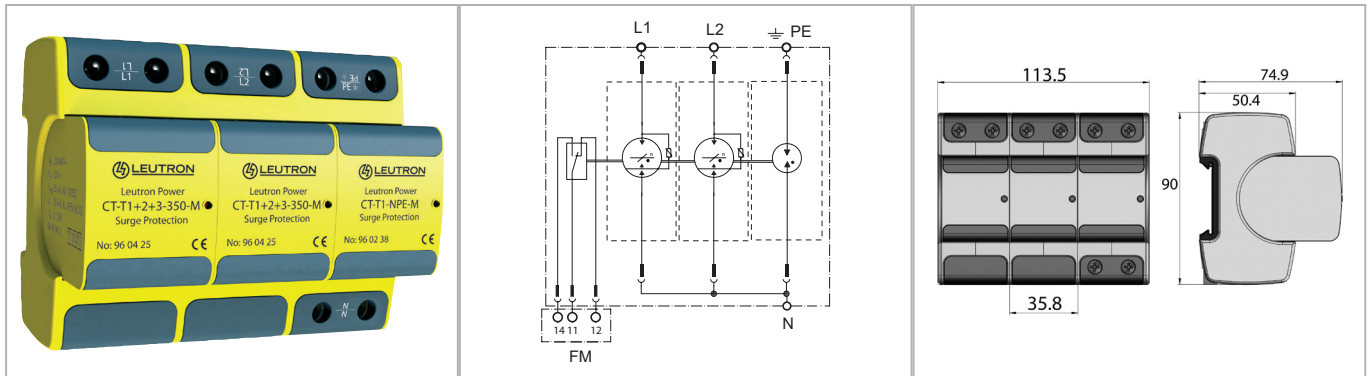


Surge protection of power supply

Combined arrester type 1+2+3 for AC power supplies / CT series



Combined arrester with rare-gas-filled spark gap and very low protection level < 1.0 kV. 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.

- 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
- EAC certification
- Remote changeover contact
- Max. operating voltage remote contact: 250 V AC/125 V DC

Technical Data

CT-T1+2+3/2+1-350-FM

IEC category		Type 1 + 2 + 3 / class I+II+III
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}	100 kA
Lightning impulse current (10/350 µs) L-N/N-PE/L-PEN	I _{imp}	25 / 100 / - kA
Nominal discharge current (8/20 µs) L-N/N-PE/L-PEN	I _n	25 / 100 / - kA
Protection level	U _p	≤ 1,0 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	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		2 phase TT system
Composed of: number of moduls		2x 96 04 25 + 1x 96 02 38
Installation width		113,5 mm
Max. operating current remote contact FM		1 A AC/200 mA DC

Order Data

Product	CT-T1+2+3/2+1-350-FM
Article-No.	96 04 13