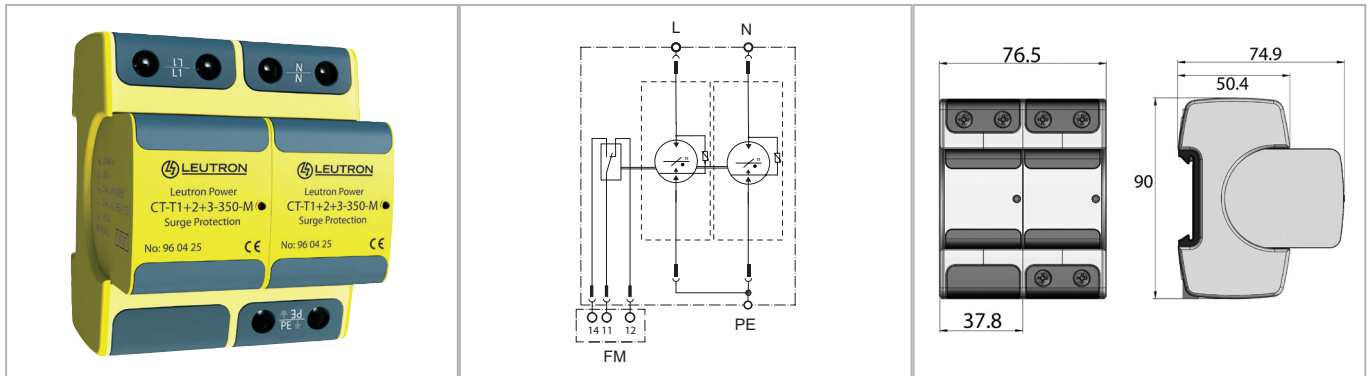


Datasheet

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 for the use in single-phase TN 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 - 2
- 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
- Flammability 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

Technical Data		CT-T1+2+3/2+0-350-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}	50 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 / - / - kA
Protection level	Up	≤ 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	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
Installation width		76,5 mm
Power supply system		1 phase TN systems
Max. operating voltage remote contact FM		250 V AC/125 V DC
Max. operating current remote contact FM		1 A AC/200 mA DC

Order Data	
Product	CT-T1+2+3/2+0-350-FM
Article-No.	96 04 09