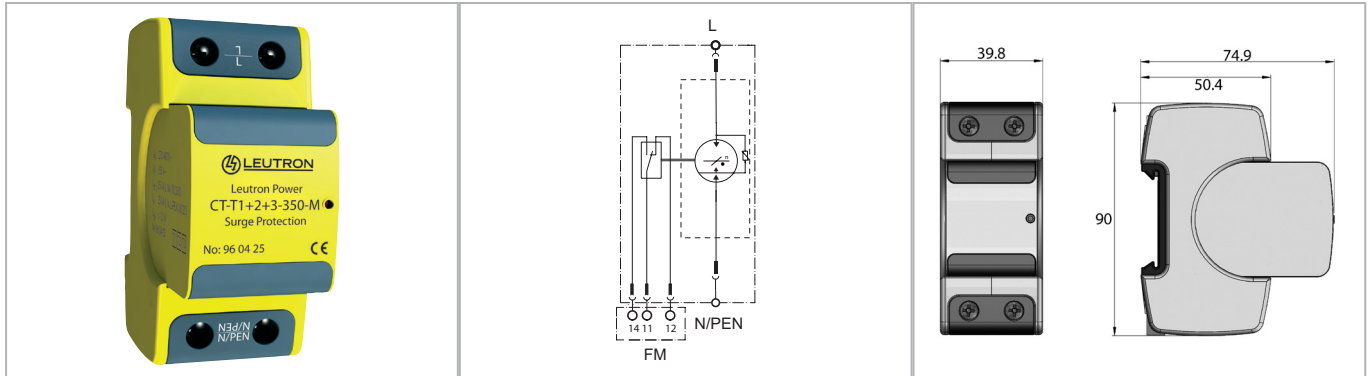


Datasheet

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 $< 1.0 \text{ kV}$ 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
- 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 current remote contact: 1 A AC/200 mA DC

Technical Data

CT-T1+2+3/1+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}	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	$\leq 1,0 \text{ kV}$
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		between L and N
Composed of: number of moduls		1x 96 04 25
Installation width		39,8 mm
Max. operating voltage remote contact FM		250 V AC/125 V DC

Order Data

Product	CT-T1+2+3/1+0-350-FM
Article-No.	96 04 21

16.06.2020

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