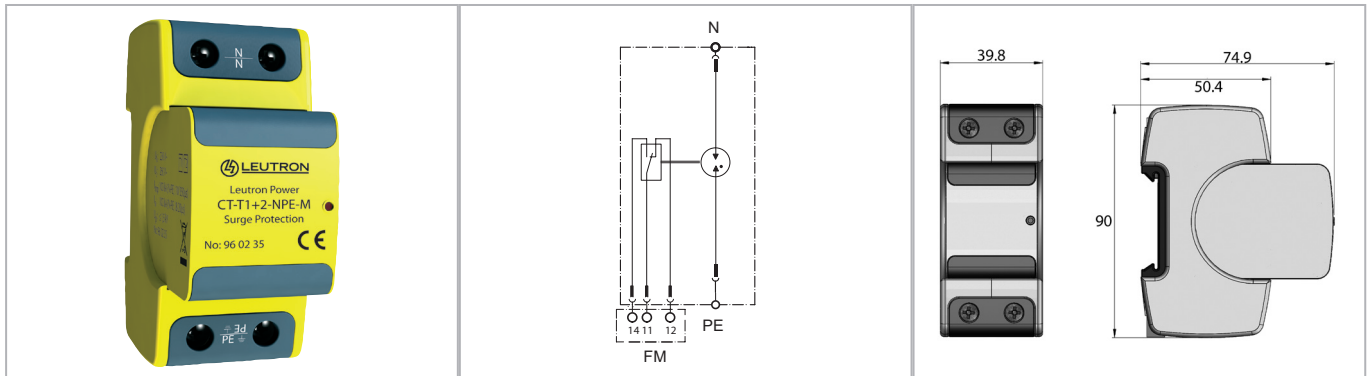


## Surge protection of power supply

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



**Lightning current cappable and rare-gas-filled summation current spark gap for the use between N - PE 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 LPZ transition point OA-1 respectively OA-2 and higher
- 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
- Enclosure material: thermoplastic with the colors yellow and black
- Mounting on 35 mm DIN rail (EN 60715)
- 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+2/0+1-FS-FM
IEC category		Type 1+2
Nominal voltage AC	UN	230 V~
Max. continuous operating voltage AC (50/60 Hz)	Uc	260 V~
Lightning impulse current (10/350 µs) total	I <sub>total</sub>	100 kA
Lightning impulse current (10/350 µs) L-N/N-PE/L-PEN	I <sub>imp</sub>	- / 100 / - kA
Nominal discharge current (8/20 µs) L-N/N-PE/L-PEN	I <sub>n</sub>	- / 100 / - kA
Protection level	U <sub>p</sub>	≤ 1,5 kV
Follow-on current extinguishing capability AC N-PE	I <sub>fi</sub>	100 A <sub>eff</sub>
Short-circuit withstand capability at max. back-up fuse	ISCCR	50 kA <sub>eff</sub>
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 <sup>2</sup> solid/flexible
Max. conductor cross section		50 mm <sup>2</sup> stranded/35 mm <sup>2</sup> flexible
Recommended conductor cross section		25 mm <sup>2</sup>
Max. connection torque for terminals		4,0 Nm
Power supply system		between N and PE
Composed of: number of moduls		1x 96 02 35
Installation width		39,8 mm
Max. operating voltage remote contact FM		250 V AC/125 V DC

Order Data	
Product	CT-T1+2/0+1-FS-FM
Article-No.	96 02 34