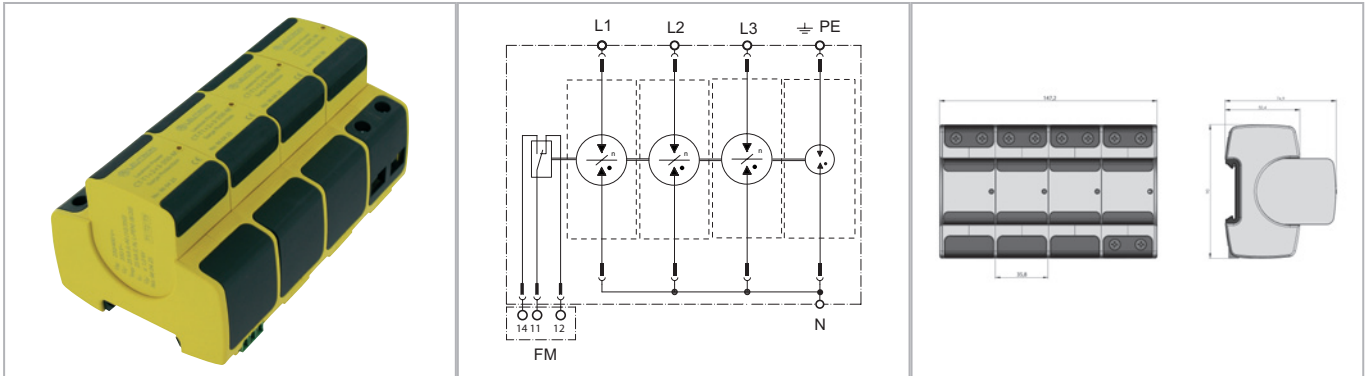


Surge protection for power supply systems

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



Combined surge arrester with rare-gas-filled spark gap and very low protection level < 1.0 kV for the use in three-phase TT and TN-S systems. They provide extremely high discharge capabilities with at the same time very low protection levels and they also do not need any damageable internal or external electronic trigger.

- **Combined Arresters Class I+II+III (T1+T2+T3)**
- **Applicable at the boundaries LPZ 0A - 2**
- **Test standard: IEC 61643-1 / EN 61643-11**
- **Mounting on 35 mm DIN rail**
- **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**
- **Remote changeover contact**
- **No leakage currents, thus, allowing installation upstream of power meters**

Technical Data		CT-T1+2+3/3+1-350-FM
IEC category/EN type		Type 1 + 2 + 3 (class I+II+III)
Nominal voltage	UN	230/400 V
Max. continuous operating voltage AC (50/60Hz)	Uc	350 V~
Lightning impulse current (10/350) total	I _{total}	100 kA
Lightning impulse current (10/350) L-N/N-PE/L-PEN	I _{imp}	25 / 100 / - kA
Nominal discharge current (8/20) L-N/N-PE/L-PEN	I _n	25 / 100 / - kA
Voltage protection level at I _{imp}	U _p	≤ 1,0 kV
Follow current quenching capacity AC L-N (260V AC)	I _{fi}	4 kA _{eff}
Follow current quenching capacity AC N-PE	I _{fi}	100 A _{eff}
Short-circuit withstand capability at max. back-up fuse	I _{lk}	50 kA _{eff}
Max. acceptable backup fuse (branch wiring)		250 A gL/gG
Max. acceptable backup fuse (V-type through wiring)		125 A gL/gG
Operating temperature range	TU	-40 - +80 °C
Min. conductor cross section at terminals		10mm ² solid/flexible
Max. conductor cross section		50mm ² stranded/35mm ² flexible
Max. connection torque for terminals		3,5 Nm
Dimension (DIN 43880)		8 TE
Installation width		147,2 mm
Max. operating voltage remote contact		250 V AC/125 V DC
Max. operating current remote contact		1 A AC/200 mA DC

Order Data	
Product	CT-T1+2+3/3+1-350-FM
Article-No.	96 04 01