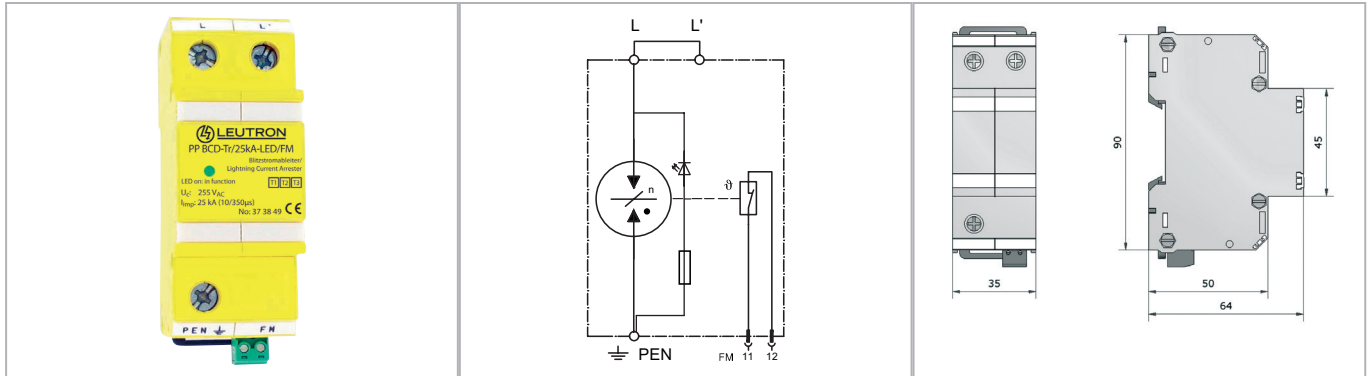


Datasheet

Surge protection of power supply

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



Single pole combined arrester type 1+2+3 (class I+II+III) for use as equipotential bonding lightning surge protection in different kind of power net systems.

- No blow-out vents, thus, not requiring any safety clearance to other installations
- Very low voltage protection level
- High insulation resistance $R_{isol} \geq 1 \text{ G}\Omega$
- Self-extinguishing and high quenching capacity of follow-on (short circuit) currents
- Mounting on 35 mm DIN rail (EN 60715)
- EAC certification
- Not leakage current free

Technical Data		PP BCD-Tr/25kA-LED/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)	U _c	255 V~
Insulation resistance	R _{isol}	>10 GΩ
Protection level at 100% lightn. imp. sparkover voltage (1.2/50µs)	U _p	≤ 1 kV
Protection level	U _p	≤ 1,0 kV
Response time at 1kV/µs	t _A	50 ns
Lightning impulse current (10/350 µs)	I _{imp}	25 kA
Max. impulse discharge current (8/20 µs)	I _{max}	80 kA
Follow-on current extinguishing capability at U _c (50/60 Hz)	I _{fi}	17,5 kA
Short-circuit withstand capability at max. back-up fuse	I _{lk}	50 kA _{eff}
Max. acceptable back-up fuse F2 (spur wiring)		250 A gG
Max. acceptable back-up fuse F1 (serial wiring)		125 A gG
Max. conductor cross section		50mm ² stranded/35mm ² flexible
Recommended conductor cross section		25 mm ²
Max. connection torque for terminals		4,0 Nm
Operating temperature range	TU	-40 - +80 °C
Enclosure material / colour		polycarbonate (halogen-free) UL 94-V0 / yellow
Degree of protection (IEC EN 60529)		IP 20
Mounting on		35 mm DIN rail (EN 60715)

Order Data

Product	PP BCD-Tr/25kA-LED/FM
Article-No.	37 38 49