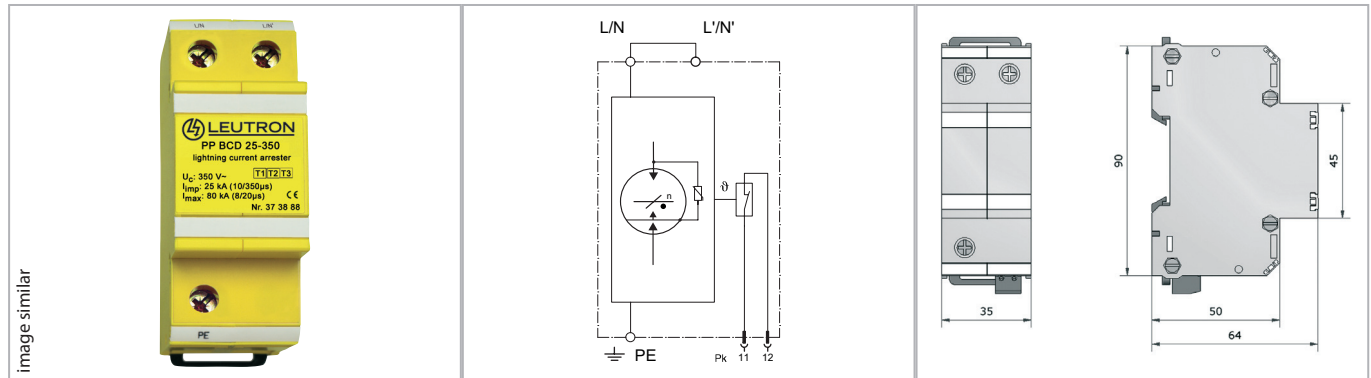


Datasheet

Surge protection of power supply

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



Single pole modular lightning and transient (switching-) surge voltage arrester for the protection of low-voltage electrical distribution systems by industrial, commercial and private use.

- **Test standard:** IEC 61643-11 / EN 61643-11
- **Combined Arresters Class I+II+III (T1+T2+T3)**
- **No leakage currents, thus, allowing installation upstream of power meters**
- **Rare-gas-filled spark gap, hermetically sealed**
- **Applicable at the boundaries LPZ 0A - 1 and higher**
- **Remote signalling contact: break contact**
- **EAC certification**
- **35 mm DIN rail (EN 60715)**

Technical Data		PP BCD 25-350/FM
IEC category		Type 1 + 2 + 3 / class I+II+III
Nominal voltage AC	UN	230 / 400 - 240 / 415 V~
Max. continuous operating voltage AC (50/60 Hz)	Uc	350 V~
Insulation resistance	Risol	>10 GΩ
Protection level at 100% lightn. imp. sparkover voltage (1.2/50µs)	Up	≤ 1 kV
Protection level	Up	≤ 1.0 kV
Response time	tA	50 ns
Lightning impulse current (10/350 µs)	Iimp	25 kA
Max. impulse discharge current (8/20 µs)	Imax	80 kA
Follow-on current extinguishing capability at Uc (50/60 Hz)	Ifi	17,5 kA
Short-circuit withstand capability at max. back-up fuse	Ik	50 kAeff
Max. acceptable back-up fuse F2 (spur wiring)		250 A gG
Max. acceptable back-up fuse F1 (serial wiring)		125 A gG
Operating temperature range	TU	-40 - +80 °C
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
Enclosure material / colour		polycarbonate (halogen-free) UL 94-V0 / yellow
Degree of protection (IEC EN 60529)		IP 20
Mounting on		35 mm DIN rail (DIN EN 60715)

Order Data

Product	PP BCD 25-350/FM
Article-No.	37 38 89