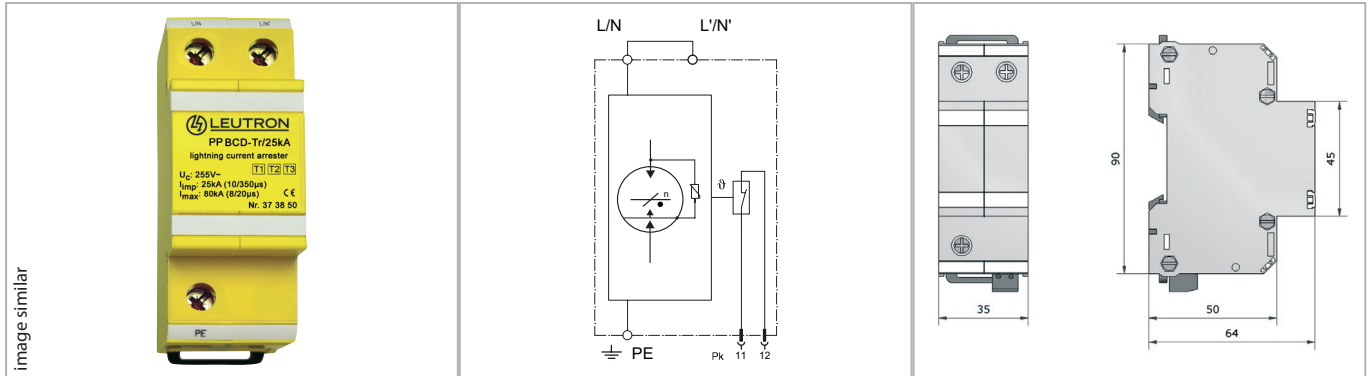


# Datasheet

## 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 (Pk): break contact
- EAC certification
- 35 mm DIN rail (EN 60715)

| Technical Data   |                 | PP BCD-Tr/25kA/Pk                                     |
|--|-----------------|---|
| 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              | 255 V~  |
| Insulation resistance  | Risol           | >10 GΩ  |
| Protection level at 100% lightn. imp. sparkover voltage (1.2/50μs) | Up              | ≤ 1 kV  |
| Protection level   | Up              | ≤ 1 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)        | I <sub>fi</sub> | 17,5 kA   |
| Short-circuit withstand capability at max. back-up fuse            | I <sub>k</sub>  | 50 kA <sub>eff</sub>                                  |
| 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 <sup>2</sup> stranded/35mm <sup>2</sup> flexible |
| Recommended conductor cross section                                |                 | 25 mm <sup>2</sup>                                    |
| 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-Tr/25kA/Pk |
| Article-No. | 37 38 60          |