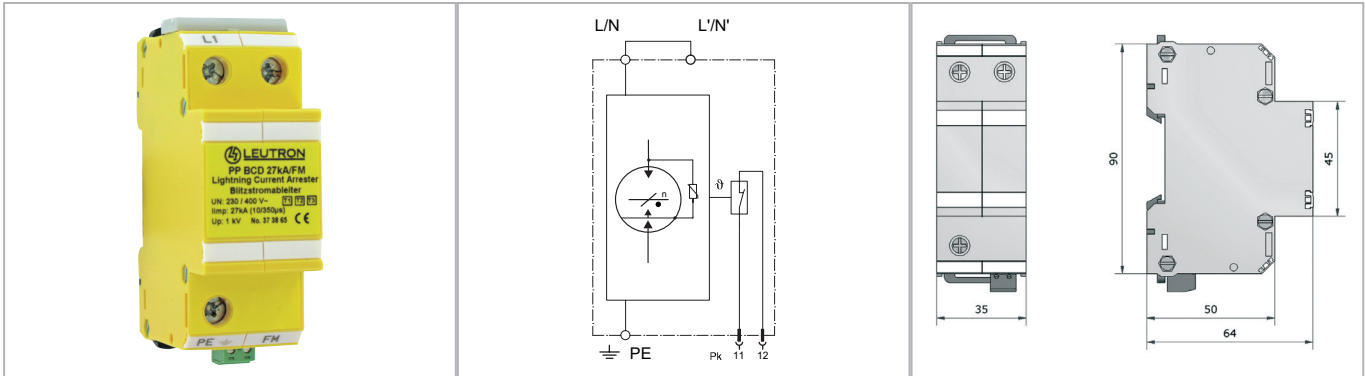


# Datasheet

## 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 27kA/FM
IEC category		Type 1 + 2 + 3 / class I+II+III
Nominal voltage	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	≤ 1.0 kV
Protection level	Up	≤ 1.0 kV
Response time	tA	< 50 ns
Lightning impulse current (10/350 µs)	Iimp	27 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>	4.0 kA
Short-circuit withstand capability at max. back-up fuse	I <sub>k</sub>	25 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
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
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 (DIN EN 60715)

### Order Data

Product	PP BCD 27kA/FM
Article-No.	37 38 65