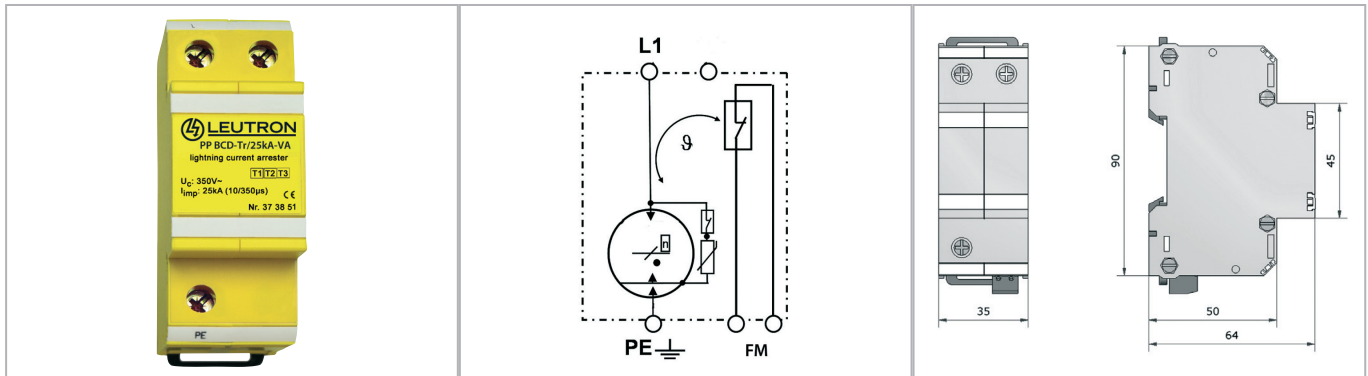


Datasheet

Surge protection of power supply

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



Leakage-current free version to protect the foundation grounding electrode against AC-caused corrosion. Single-pole SPD used as equipotential bonding lightning surge protection in different kind of power net systems.

- Test standard: IEC 61643-11 / EN 61643-11
- Applicable at the boundaries LPZ 0A - 2 and higher
- Combined Arresters Class I+II+III (T1+T2+T3)
- No blow-out vents, thus, not requiring any safety clearance to other installations
- Rare-gas-filled spark gap, hermetically sealed
- Surge arrester based on varistors (MOV) and GDT
- Very low voltage protection level
- Mounting on 35 mm DIN rail (EN 60715)
- Remote signalling contact: break contact
- EAC certification

Technical Data		PP BCD-Tr/25kA-VA/FM
IEC category		Type 1 + 2 + 3 / class I+II+III
Nominal voltage AC	UN	230/400V~
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
Urest at 3kA (8/20) and 6kV (1,2/50)	Urest	≤ 800V
Response time at 1kV/μs	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 F1 (serial wiring)		125 A gG
Max. acceptable back-up fuse F2 (spur wiring)		250 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

Order Data	
Product	PP BCD-Tr/25kA-VA/FM
Article-No.	37 38 61