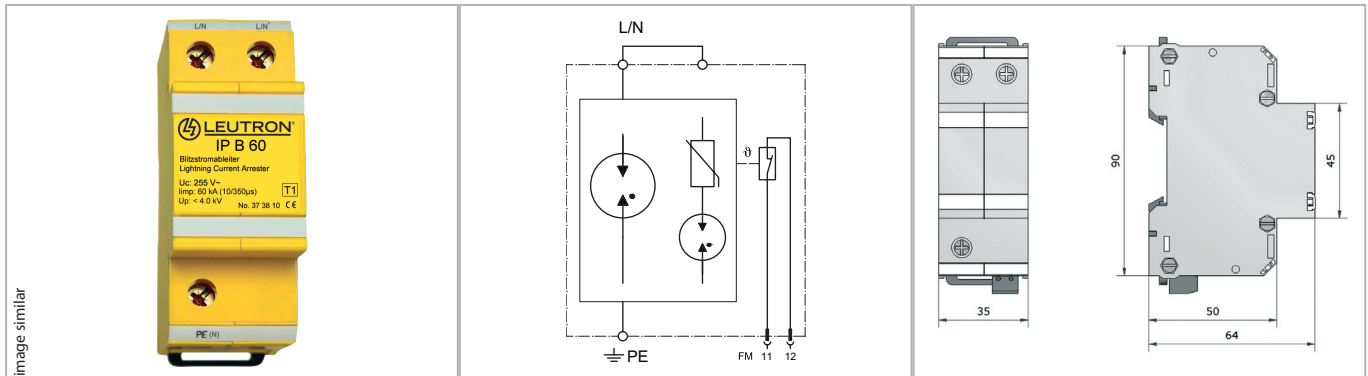


Datasheet

Surge protection of power supply

Lightning current arrester type 1 for AC power supplies / IsoPro



Single pole SPD for use as equipotential bonding lightning surge protection in different kind of power net systems. Lightning current discharge arrester (class I) with rare-gas-filled spark gap for the use in single-phase TT and TN systems. Applicable at the boundaries LPZ 0A - 1 and higher.

- Test standard: IEC 61643-11 / EN 61643-11
- Rare-gas-filled spark gap, hermetically sealed
- No leakage currents, thus, allowing installation upstream of power meters
- High insulation resistance
- All-in-one protection unit, ready for connection
- Mounting on 35 mm DIN rail (EN 60715)
- Degree of protection according to IEC EN 60529: IP 20
- Inflammability class according to UL 94 V0
- EAC certification
- Remote signalling contact: break contact

Technical Data	IP B 60/FM	
IEC category		Type 1
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 (1.2/50 µs)	Up	≤ 4,0 kV
Protection level	Up	≤ 4,0 kV
Response time	tA	< 50 ns
Lightning impulse current (10/350 µs) total	I _{total}	60 kA
Lightning impulse current (10/350 µs) L-N/N-PE/L-PEN	I _{imp}	60 / - / - kA
Short-circuit withstand capability at max. back-up fuse	I _k	50 kA _{eff}
Max. acceptable back-up fuse F2 (spur wiring)		160 A gG
Max. acceptable back-up fuse F1 (serial wiring)		125 A gG
Operating temperature range	TU	-40 - +80 °C
Max. conductor cross section		50 mm ² stranded/35 mm 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)
Power supply system		between L and N

Order Data

Product	IP B 60/FM
Article-No.	55 04 95