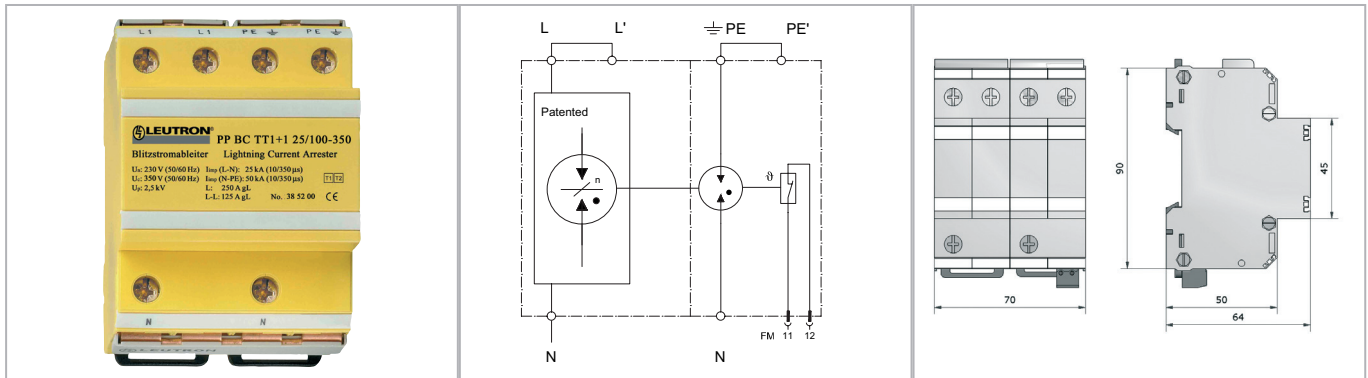


Datasheet

Surge protection of power supply

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



Two-pole combined arrester for the protection of low-voltage consumers' installations in industry, business and residential areas against transient surges caused by lightning (LEMP) or switching actions in the network (SEMP). Combined multi-pole arrester for 1-phase TT systems.

- Test standard: IEC 61643-11 / EN 61643-11
- Class I+II (T1+T2) Combined Arresters
- Remote signalling contact: break contact
- High TOV resistance
- No leakage currents, thus, allowing installation upstream of power meters
- Mounting on 35 mm DIN rail (EN 60715)
- Degree of protection according to IEC EN 60529: IP 20
- EAC certification

Technical Data		PP BC TT1+1 25/100/FM-350
IEC category		Type 1 + 2 / class I+II
Nominal voltage AC	UN	230/400 V~
Max. continuous operating voltage AC (50/60Hz)	Uc	350 V~
Insulation resistance	Risol	> 10 GΩ
Protection level at 100% lightning imp. sparkover voltage (1.2/50μs)	Up	≤ 2,5 kV
Protection level	Up	≤ 2,5 kV
Response time	tA	< 50 ns
Lightning impulse current (10/350μs) total	I _{total}	100 kA
Lightning impulse current (10/350μs) L-N/N-PE/L-PEN	I _{imp}	25 / 100 / - kA
Follow-on current extinguishing capability at U _c (50/60 Hz)	I _{fi}	4 kA
Short-circuit withstand capability at max. back-up fuse	I _{lk}	50 kA _{eff}
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
Switching capacity FM		250 V/2 A
Max. conductor cross section FM		

Order Data

Product	PP BC TT1+1 25/100/FM-350
Article-No.	38 52 10