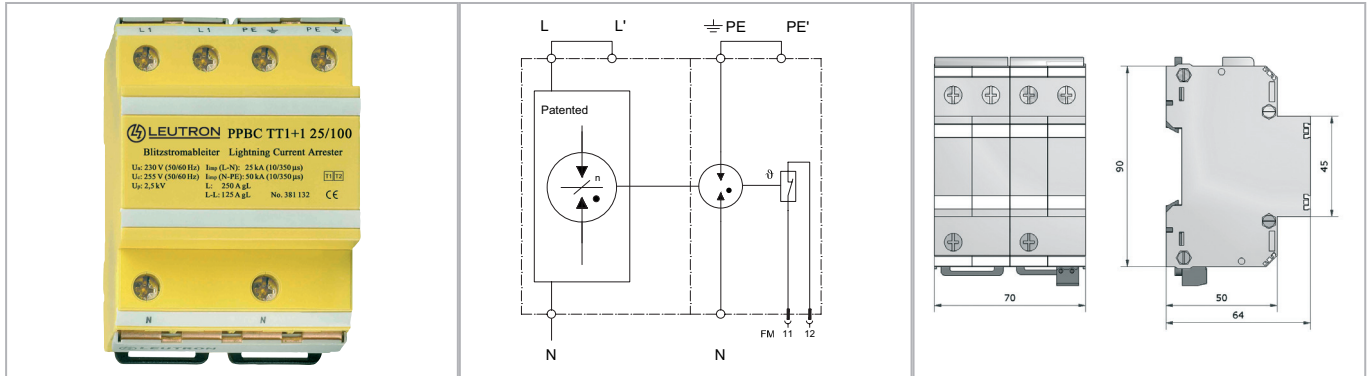


# Datasheet

## 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
IEC category		Type 1 + 2 / class I+II
Nominal voltage AC	UN	230/400 V~
Max. continuous operating voltage AC (50/60Hz)	Uc	255 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	Itotal	100 kA
Lightning impulse current (10/350μs) L-N/N-PE/L-PEN	Iimp	25 / 100 / - 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>lk</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
Switching capacity FM		250 V/2 A
Max. conductor cross section FM		1,5 mm <sup>2</sup>

### Order Data

Product	PP BC TT1+1 25/100/FM
Article-No.	38 11 33