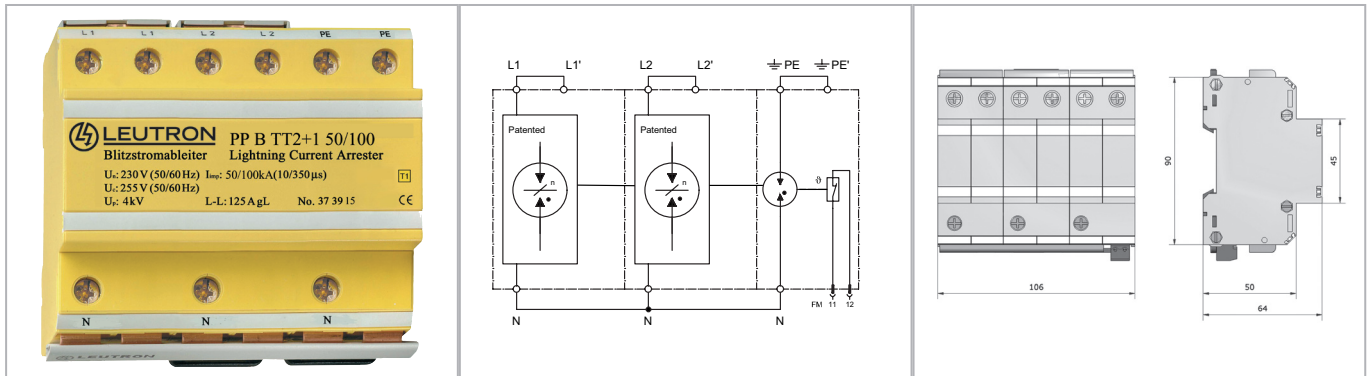


Surge protection of power supply

Lightning current arrester Type 1 for AC power supplies / PowerPro



Multi-pole lightning current arrester (class I) for 2-phase TT systems.

- Test standard: IEC 61643-11 / EN 61643-11
- EAC certification

Technical Data		PP B TT2+1 50/100/FM
IEC category		Type 1
Nominal voltage AC	UN	100/200 bzw. 110/220 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	Itotal	100 kA
Lightning impulse current (10/350 μs) L-N/N-PE/L-PEN	Iimp	50 / 100 / - kA
Follow-on current extinguishing capability at Uc (50/60 Hz)	I _{fi}	4 kA
Short-circuit withstand capability at max. back-up fuse	I _k	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
Nominal discharge current (8/20 μs)	I _n	100 kA
Max. impulse discharge current (8/20 μs)	I _{max}	140 kA

Order Data

Product	PP B TT2+1 50/100/FM
Article-No.	37 39 17