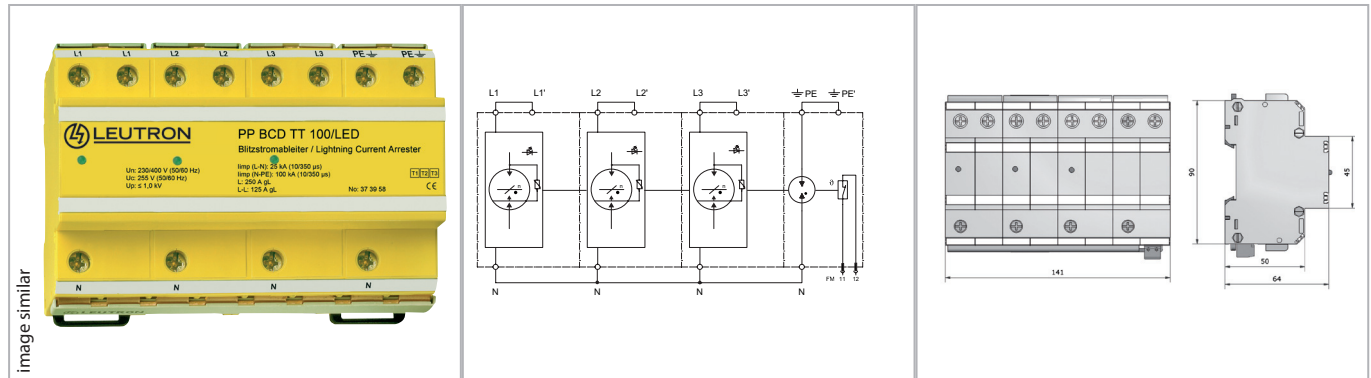


Datasheet

Surge protection of power supply

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



Combined multi-pole arrester for 3-phase TT and TN-S systems.

- Test standard: IEC 61643-11 / EN 61643-11
- Rare-gas-filled spark gap, hermetically sealed
- 4-pole; 3+1 N-PE
- Optical function control display by LED
- EAC certification
- Not leakage current free
- Remote signalling contact: break contact

Technical Data		PP BCD TT 100/LED/FM
IEC category		Type 1 + 2 + 3 / class I+II+III
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 (1.2/50μs)	Up	≤ 1,0 kV
Protection level	Up	≤ 1,0 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	25 / 100 / - kA
Follow-on current extinguishing capability at Uc (50/60 Hz)	Ifi	4,0 kA
Short-circuit withstand capability at max. back-up fuse	Ik	50 kAeff
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
FM contact / contact type		break contact
Switching capacity FM		250 V/2 A

Order Data

Product	PP BCD TT 100/LED/FM
Article-No.	37 39 59