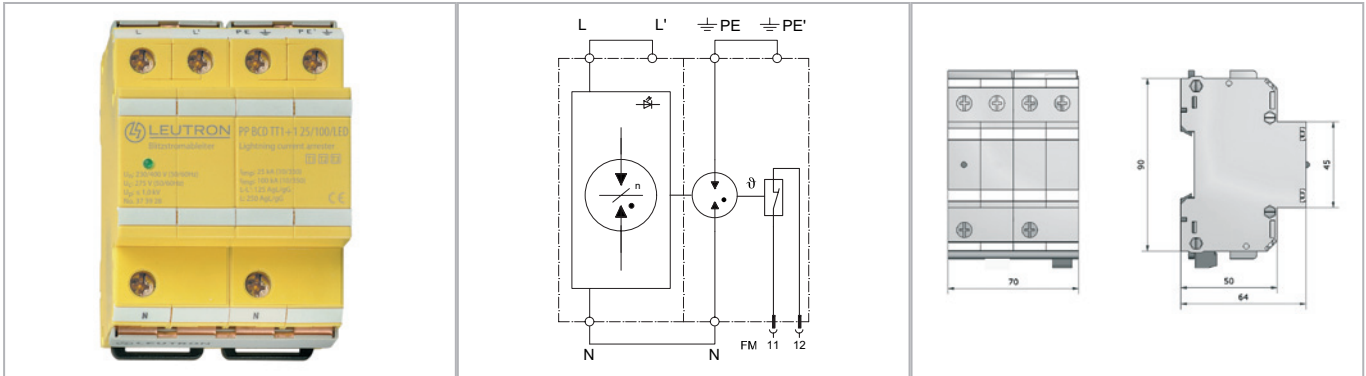


Datasheet

Surge protection for power supply systems

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



Combined multi-pole arrester for 1-phase TT systems. 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).

- Test standard: IEC 61643-11 / EN 61643-11
- Combined Arresters Class I+II+III (T1+T2+T3)
- Rare-gas-filled spark gap, hermetically sealed
- Mounting on 35 mm DIN rail (EN 60715)
- Arrester status control display: LED green (readiness: on)

Technical Data		PP BCD TT1+1 25/100/LED/FM
IEC category/EN type		Type 1 + 2 + 3 (class I+II+III)
Nominal voltage AC	UN	230/400 V~
Max. continuous operating voltage AC (50/60Hz)	Uc	255 (275) V~
Insulation resistance	Risol	>10 GΩ
Voltage protection level L-N at lightning impulse spark over voltage (1,2/50 μs, Uoc 6kV)	Up	≤ 1,0 kV
Protection level	Up	≤ 1,0 kV
Response time	tA	≤ 50 ns
Lightning impulse current (10/350) L-N/N-PE/L-PEN	Iimp	25 / 100 / - kA
Lightning impulse current (10/350) total	Itotal	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 250 A gL	Ik	50 kAeff
Max. acceptable back-up fuse F1 (V-wiring)		125 A gL/gG
Max. acceptable back-up fuse F2 (spur wiring)		250 A gL/gG
Max. conductor cross section		50mm ² stranded/35mm ² flexible
Recommended conductor cross section		10 / 25 mm ²
Max. connection torque for terminals		4,0 Nm
Operating temperature range	TU	-40 - +80 °C
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)

Order Data	
Product	PP BCD TT1+1 25/100/LED/FM
Article-No.	37 39 29