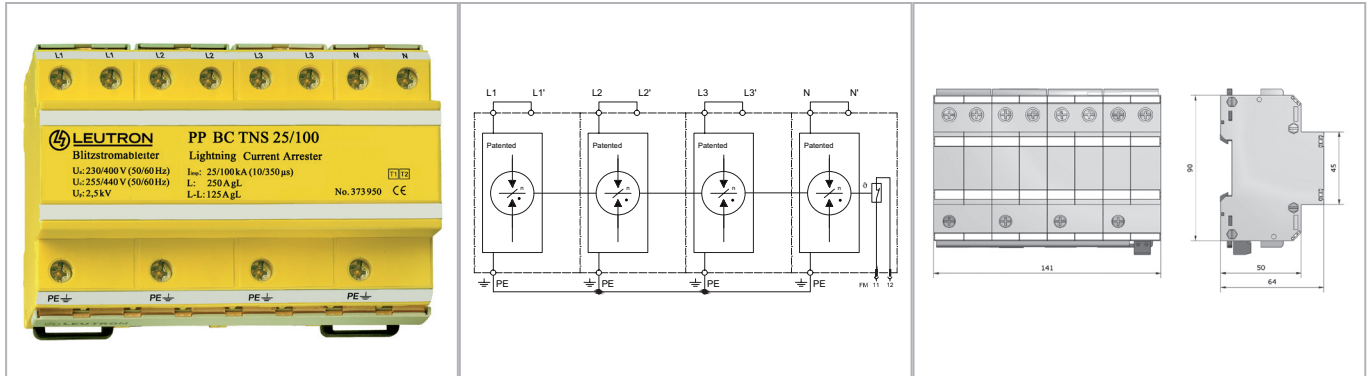


Datasheet

Surge protection of power supply

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



Combined multi-pole arrester (SPD type 1+ 2 / class I+II) for 3-phase TN-S systems.

- **Test standard:** IEC 61643-11 / EN 61643-11
- **Remote signalling contact:** break contact
- **Space required for installation:** 144 mm
- **Degree of protection according to IEC EN 60529:** IP 20
- **Mounting on 35 mm DIN rail (EN 60715)**
- **No leakage currents, thus, allowing installation upstream of power meters**
- **EAC certification**

Technical Data		PP BC TNS 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% lightn. 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 / - / - 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
Switching capacity FM		250 V/2 A
Max. conductor cross section FM		1,5 mm ²

Order Data

Product	PP BC TNS 25/100/FM
Article-No.	37 39 52