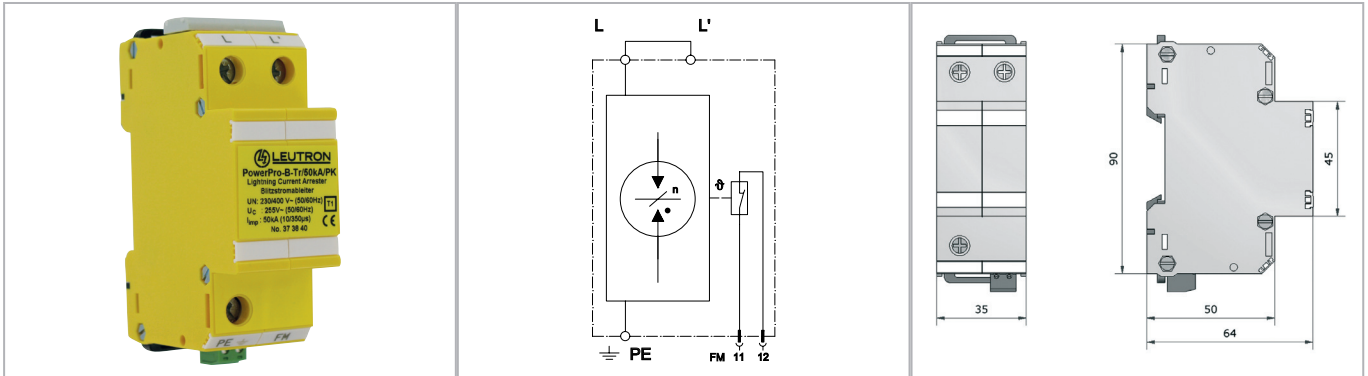


Datasheet

Surge protection of power supply

Lightning current arrester Type 1 for AC power supplies / PowerPro



Single pole lightning and transient (switching-) surge voltage arrester for the protection of low-voltage electrical distribution systems by industrial, commercial and private use.

- Test standard: IEC 61643-11 / EN 61643-11
- Lightning current and SPD based on hermetically sealed gas filled spark-gaps
- EAC certification
- Remote signalling contact: break contact

Technical Data	PowerPro B-Tr/50kA/Pk	
IEC category		Type 1
Nominal voltage AC	UN	230/400V~
Max. continuous operating voltage AC (50/60 Hz)	Uc	255V~
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	50 kA
Lightning impulse current (10/350 μs) L-N/N-PE/L-PEN	Iimp	50 / - / - 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	4,0 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 Pk		1.5 mm ²

Order Data	
Product	PowerPro B-Tr/50kA/Pk
Article-No.	37 38 40