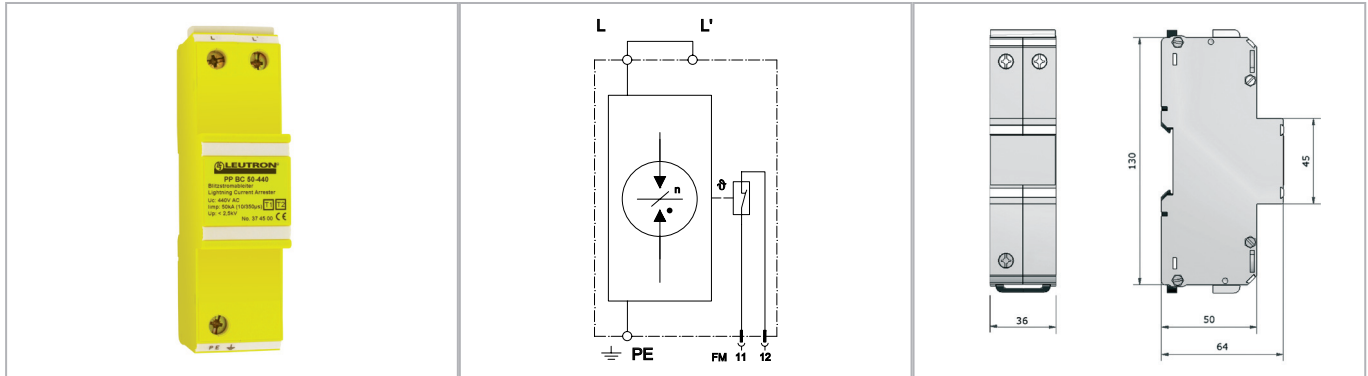


Datasheet

Surge protection of power supply

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



For lightning protection equipotential bonding in 400 V TN-C systems e. g.
Wind generator protection

- Test standard: IEC 61643-11 / EN 61643-11
- Single pole combined arrester type 1 + 2
- New developed ceramic isolating spark gap
- Low protection level
- High self-extinguishing capability without tripping fuses
- Remote signalling contact: break contact
- EAC certification

Technical Data		PP BC 50-440/FM
IEC category		Type 1 + 2 / class I+II
Nominal voltage AC	UN	400/690 V~
Max. continuous operating voltage AC (50/60Hz)	Uc	440 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	100 ns
Lightning impulse current (10/350μs) total	Itotal	50 kA
Lightning impulse current (10/350μs) L-N/N-PE/L-PEN	Iimp	- / 50 / - kA
Follow-on current extinguishing capability at Uc (50/60 Hz)	Ifi	10 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
Max. locking torque FM terminals		0,25 Nm

Order Data

Product	PP BC 50-440/FM
Article-No.	37 45 01