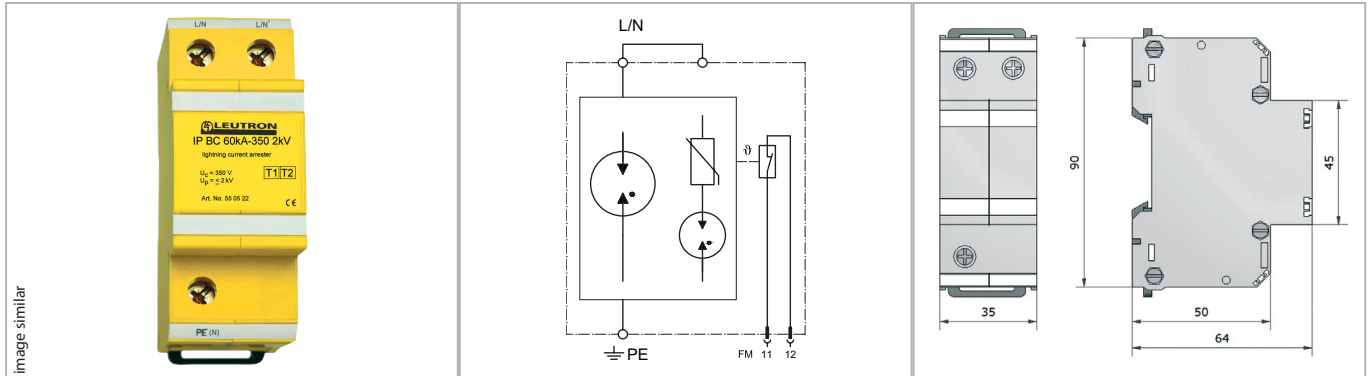


Datasheet

Surge protection of power supply

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



Single pole lightning and transient (switching-) surge voltage arrester for the protection of low-voltage electrical distribution systems by industrial, commercial and private use. The arresters can be installed at the transition OA to 2 according to the lightning protection zones concept.

- Class I+II (T1+T2) Combined Arresters
- Test standard: IEC 61643-11 / EN 61643-11
- On the basis of hermetically sealed rare-gas-filled spark gaps
- Protection level ≤ 2 kV
- High insulation resistance
- No blow-out vents, thus, not requiring any safety clearance to other installations
- Remote signalling contact: break contact

Technical Data		IP BC 60/FM-350 2kV
IEC category		Type 1 + 2 / class I+II
Nominal voltage AC	UN	230/400 - 240/415 V~
Max. continuous operating voltage AC (50/60 Hz)	Uc	350 V~
Insulation resistance	Risol	>10 GΩ
Protection level at 100% lightning imp. sparkover voltage (1.2/50 μs)	Up	≤ 2 kV
Protection level	Up	≤ 2,0 kV
Lightning impulse current (10/350 μs) total	I _{total}	60 kA
Lightning impulse current (10/350 μs) L-N/N-PE/L-PEN	I _{imp}	60 / - / - kA
Short-circuit withstand capability at max. back-up fuse	I _k	50 kA _{eff}
Max. acceptable back-up fuse F2 (spur wiring)		160 A gG
Max. acceptable back-up fuse F1 (serial wiring)		125 A gG
Operating temperature range	TU	-40 - +80 °C
Max. conductor cross section		stranded 50/fine stranded 35 mm ²
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
Max. locking torque FM terminals		0,25 Nm
Max. conductor cross section FM		1,5 mm ²

Order Data

Product	IP BC 60/FM-350 2kV
Article-No.	55 05 23