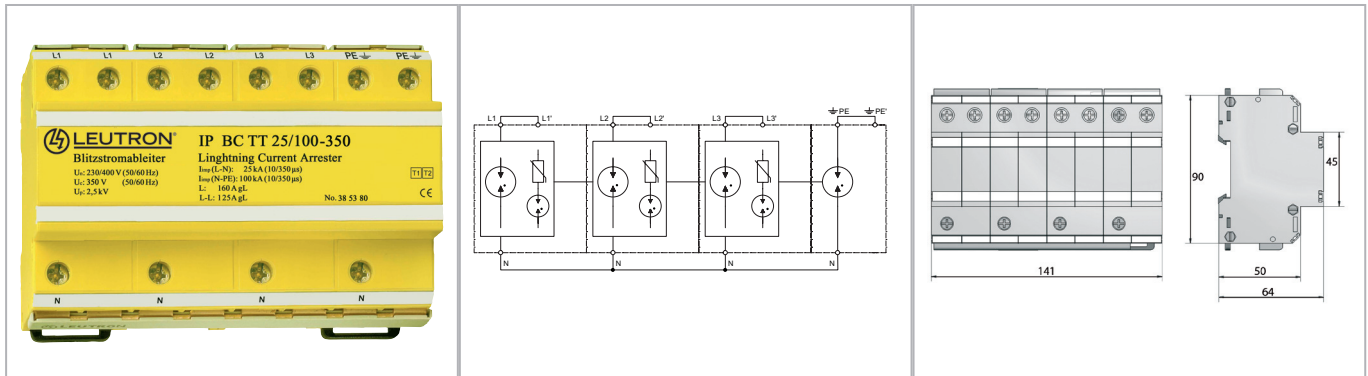


# Datasheet

## Surge protection of power supply

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



Combined multi-pole arrester for 3-phase TT and TN-S systems. The arresters can be installed at the transition OA to 2 according to the lightning protection zones concept.

- Test standard: IEC 61643-11 / EN 61643-11
- 4-pole; 3+1 N-PE
- No leakage currents, thus, allowing installation upstream of power meters
- All-in-one protection unit, ready for connection
- Degree of protection according to IEC EN 60529: IP 20
- Mounting on 35 mm DIN rail (EN 60715)
- Inflammability class according to UL 94 V0
- EAC certification

Technical Data		IP BC TT 25/100-350
IEC category		Type 1 + 2 / class I+II
Nominal voltage AC	UN	230/400 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	≤ 2,5 kV
Protection level	Up	≤ 2,5 kV
Response time	tA	< 50 ns
Lightning impulse current (10/350 μs) total	I <sub>total</sub>	100 kA
Lightning impulse current (10/350 μs) L-N/N-PE/L-PEN	I <sub>imp</sub>	25 / 100 / - kA
Short-circuit withstand capability at max. back-up fuse	I <sub>k</sub>	50 kA <sub>eff</sub>
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		50 mm <sup>2</sup> stranded/35 mm <sup>2</sup> flexible
Recommended conductor cross section		25 mm <sup>2</sup>
Max. connection torque for terminals		4,0 Nm
Enclosure material / colour		polycarbonate (halogen-free) UL 94-V0 / yellow
Degree of protection (IEC EN 60529)		IP 20
Mounting on		35 mm DIN rail (EN 60715)
Dimension (DIN 43880)		8 TE

### Order Data

Product	IP BC TT 25/100-350
Article-No.	38 53 80