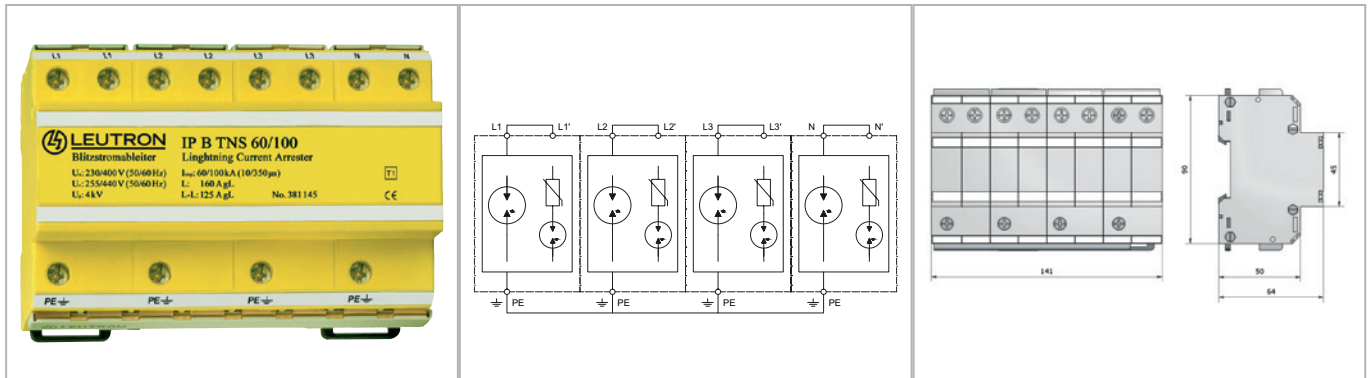


# Datasheet

## Surge protection for power supply systems

### Class I (T1) Lightning Current Arresters / IsoPro



Multi-pole lightning current arrester for the protection of low-voltage consumers' installations in business and residential areas against surges caused by lightning or switching actions in the network. Multi-pole lightning current arrester type 1 (class I) for 3-phase TN-S systems.

- Rare-gas-filled spark gap, hermetically sealed
- No leakage currents, thus, allowing installation upstream of power meters
- Operates independently of atmospheric air pressure and ambient humidity
- High TOV resistance
- High insulation resistance
- Optional remote signalling contact (FM)

Technical Data		IP B TNS 60/100	
Nominal alternating voltage	UN	230/400 V~	
Max. continuous operating voltage AC	Uc	255 V~	
Insulation resistance	Risol	> 10 GΩ	
Protection level at 100% lightn. imp. sparkover voltage (1.2/50μs)	Up	≤ 4,0 kV	
Protection level	Up	≤ 4,0 kV	
Response time	tA	< 50 ns	
Lightning impulse current (10/350) total	I <sub>total</sub>	100 kA	
Lightning impulse current (10/350) L,N-PE	I <sub>imp</sub>	60 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 gL/gG	
Max. acceptable back-up fuse F1 (V-wiring)		125 A gL/gG	
Operating temperature range	TU	-40 - +80 °C	
Max. conductor cross section		stranded 50/fine stranded 35 mm <sup>2</sup>	
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	

Order Data	
Product	IP B TNS 60/100
Article-No.	38 11 45