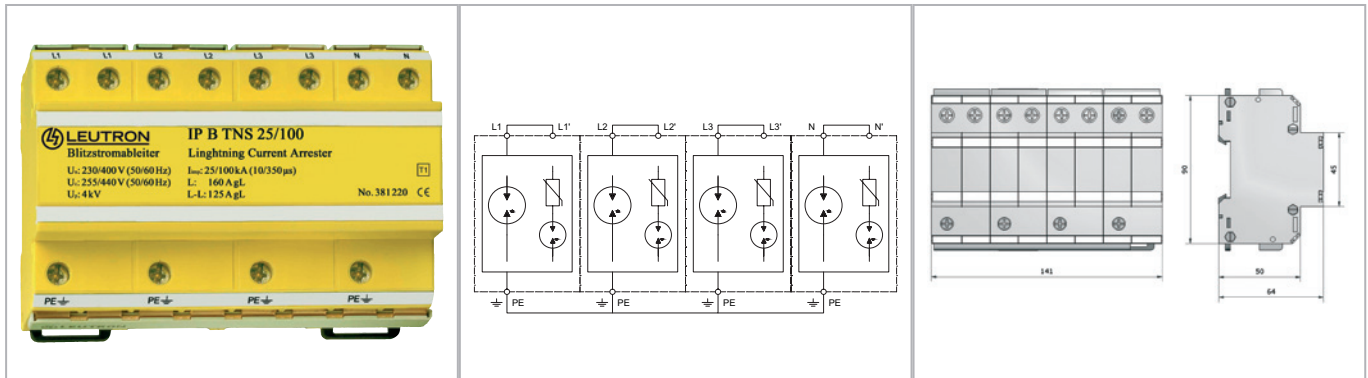


Datasheet

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 25/100
Nominal alternating voltage	UN	230/400 V~
Max. continuous operating voltage AC	Uc	255 V~
Insulation resistance	Risol	>10 GΩ
Protection level at 100% lightning 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 _{total}	100 kA
Lightning impulse current (10/350) L-N/N-PE/L-PEN	I _{imp}	25 / 100 / - 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 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 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

Order Data	
Product	IP B TNS 25/100
Article-No.	38 12 20