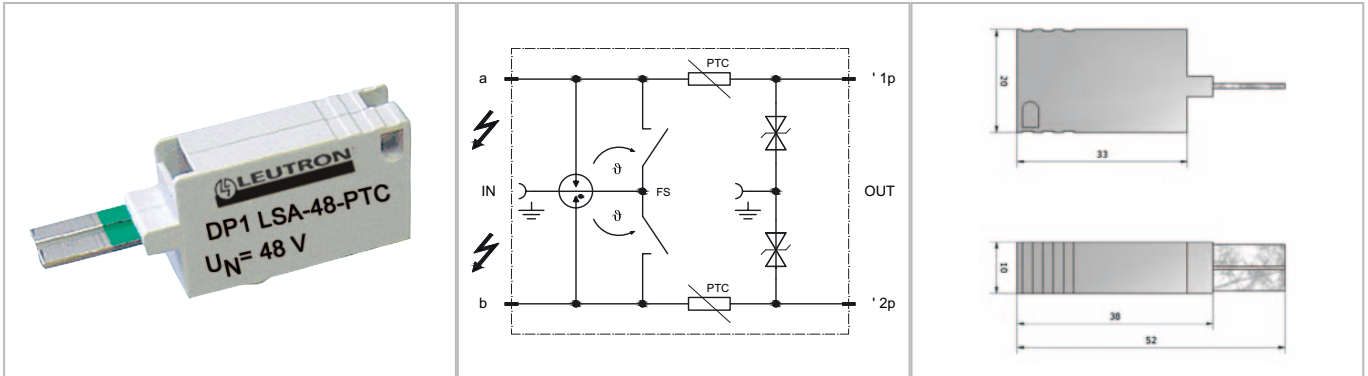


# Datasheet

## Surge protection for information technology and telecommunication installations

### SPD according to test category C2+C1



Surge protection device for data and signal lines in measuring systems and automatic control devices. Surge voltage protection connector for 1 DA, with surge current protection via PTC thermistors and fail-safe contact for LSA (IDC) disconnection modules.

- Coarse and fine protection
- Surge current protection via PTC thermistors
- Suitable for DC and AC application
- Fail-safe thermal overload protection

Technical Data		DP 1LSA-48-PTC
Nominal voltage DC	UN	48 V=
Max. continuous operating voltage DC	Uc	80 V=
Nominal alternating voltage (50/60Hz)	UN	24 V~
Max. continuous operating voltage AC (50/60Hz)	Uc	56 V~
Nominal operating current at 25°C	IL	150 mA
C2 nominal discharge current (8/20 μs)	In	5 kA
Nominal discharge current (8/20)	In	10 kA
Protection level at In (line-PG)	Up	≤ 240 V
Residual voltage at 1 kV/μs (line-PG)	Ures	≤ 130 V
Response time	tA	≤ 25 ns
Thermal overload protection		thermal fail-safe (short-circuit spring) and PTC
Capacitance, line-earth	C	≤ 300 nF
Series impedance per line at 25°C	R	9 - 11 Ω
Max. transmission frequency	fg	5 MHz
Operating temperature range	TU	-25 - +60 °C
Earthing (Grounding) by		via grounding bar and isolation unit on LSA backmount frame
Enclosure material / colour		self-extinguishing thermoplastic (POCAN) UL 94 V0, grey
Net weight / pc		10 g

### Order Data

Product	DP 1LSA-48-PTC
Article-No.	24 00 44