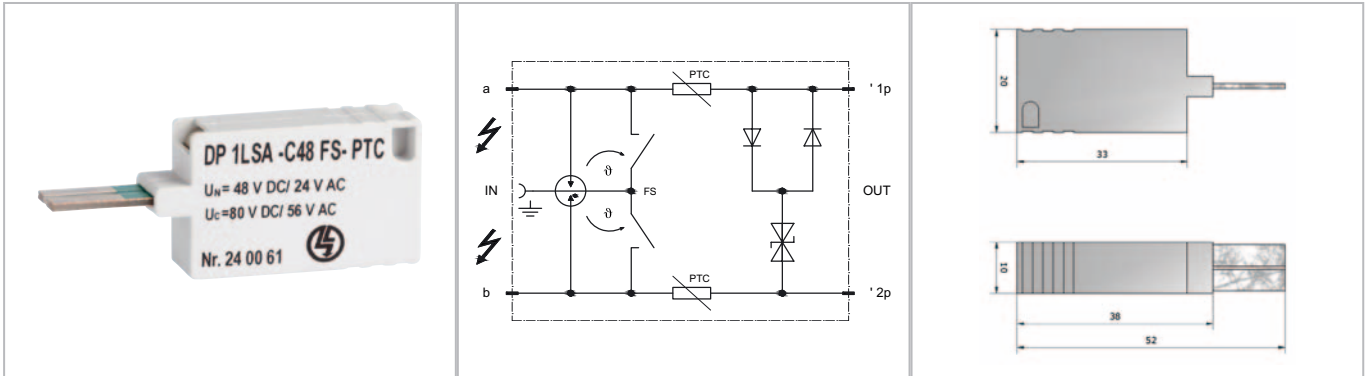


# Datasheet

## Surge protection for information technology and telecommunication installations

### SPD according to test category C2+C1



Surge voltage protector 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 higher frequency transmission range for measuring systems and automatic control devices, for LSA (IDC) disconnection modules.

- Surge current protection via PTC thermistors
- High impulse discharge current of 10 kA (8/20  $\mu$ s)
- Suitable for DC and AC application

Technical Data		DP 1LSA-C48FS-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 $\mu$ s)	In	5 kA	
Nominal discharge current (8/20)	In	10 kA	
Protection level at In (line-line)	Up	$\leq 130$ V	
Protection level at In (line-PG)	Up	$\leq 600$ V	
Response time a-b	tA	$\leq 25$ ns	
Response time a,b to PG		$< 100$ ns	
Transversal Capacitance	C	$\leq 30$ pF	
Series impedance per line at 25°C	R	9 - 11 $\Omega$	
Max. transmission frequency	fg	$\leq 30$ MHz	
Thermal overload protection		thermal fail-safe (short-circuit spring) and PTC	
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		3 g	

Order Data	
Product	DP 1LSA-C48FS-PTC
Article-No.	24 00 61