

RSP-CL-TTL

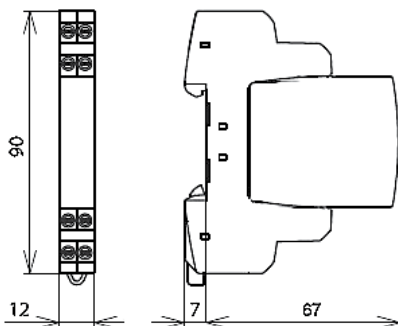
overvoltage arresters for data/communication network



- ANSI/IEEE C62.41 category: B, C
- Application sites: surge protection for 4 lines with common reference potential in the low-bandwidth or low-datarate signal, data and communication system or DC power system: switching value signal, sensor, digital I/O, actuator, TTL, low-datarate bus system
- Protection elements: 2 stage protection circuit, gas discharge tubes + tranzorb diodes
- Number of protected lines: 4
- Cover: modular (replaceable module)
- Compliance with standards: EN 61643-11:2012, EN 61643-21:2001+A1:2009+A2:2013, EN 61643-31:2019

Type of arrester		RSP-CL-TTL	
Electrical data			
Rated operating voltage	U_n	24 V DC	
Maximum continuous operating voltage	U_c	33 V DC / 23,3 V AC	
Rated load current at 25 °C	I_L	1 A	
C2 discharge current rated (8/20 μ s, per line)	I_n	10 kA	
Discharge current max. (8/20 μ s, per line)	I_{max}	20 kA	
D1 current impulse (10/350 μ s, per line)	I_{imp}	2,5 kA	
Voltage protection level at I_n , C2 (8/20 μ s, line-line)	U_p	≤ 55 V	
at I_n , C2 (8/20 μ s, line-PG)		≤ 500 V	
at C3, 1 kV/ μ s (line-line)		≤ 48 V	
at C3, 1 kV/ μ s (line-PG)		≤ 600 V	
Serial resistance per line	R	PTC	
Cut-off frequency (line-line)	f_G	1 MHz	
General data			
Ambient temperature (operating)	T_a	-40...+85 °C	
Cross section of cables connected to terminals		0,4...1,5 mm ² (21...15 AWG)	
Terminal screw torque		max. 0,5 Nm	
Mounting		direct on 35 mm rail mount (EN 60715)	
Cover protection category		IP 20 (EN 60529)	
Cover material		thermoplastic; extinguishing degree V-0	
Dimensions (L x W x H)		90 x 12 x 74 mm	
Weight		73,5 g	

Dimensions



Connection diagram

