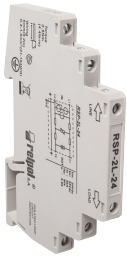


RSP-2L...

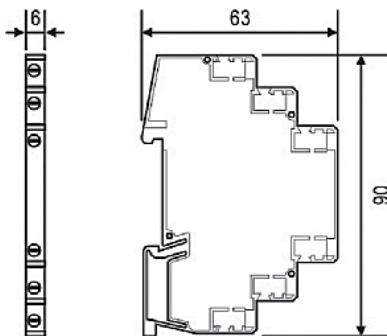
overvoltage arresters for data/communication network



- ANSI/IEEE C62.41 category: B, C
- Application sites: protection for 2 single wires of balanced interfaces with measuring and controlling system
- Protection elements: 3 stage protection circuit, coarse and fine protection, gas discharge tubes + tranzorb diode
- Number of protected lines: 1 (1 pair)
- Cover: modular
- Compliance with standards: EN 61643-11:2012, EN 61643-21:2001+A1:2009+A2:2013, EN 61643-31:2019

Type of arrester		RSP-2L-12	RSP-2L-24	RSP-2L-48
Electrical data				
Rated operating voltage	U_n	12 V DC	24 V DC	48 V DC
Maximum continuous operating voltage	U_c	14 V DC 9,5 V AC	33 V DC 23 V AC	55 V DC 38,5 V AC
Rated load current at 25 °C	I_L		0,5 A	
C2 discharge current	I_n		10 kA 5 kA	
D1 current	I_{imp}		0,5 kA	
Voltage protection level	at I_n (line-line)	U_p	≤ 25 V	≤ 50 V
	at I_n (line-PG)		≤ 750 V	≤ 750 V
	at 1 kV/ μ s (line-line)		≤ 19 V	≤ 45 V
	at 1 kV/ μ s (line-PG)		≤ 650 V	≤ 650 V
Response time	(line-line)	t_A	≤ 1 ns	
	overvoltage protection (line-PG)		≤ 100 ns	
Serial resistance per line	R		4 Ω	
Transverse capacitance	(line-line)	C	$\leq 2,4$ nF	≤ 1 nF
	(line-PG)		≤ 5 pF	≤ 5 pF
Cut-off frequency (line-line)	f_G	2,5 MHz	6 MHz	10 MHz
General data				
Ambient temperature (operating)	T_a		-40...+80 °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 6 x 63 mm	
Weight			34 g	

Dimensions



Connection diagram

