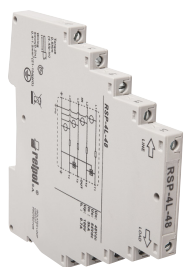


# RSP-4L...

overvoltage arresters for data/communication network

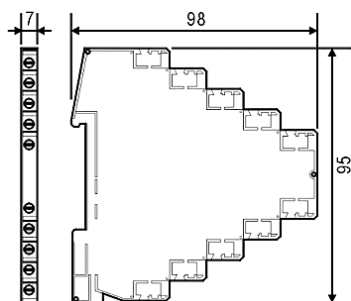


**NEW**

- ANSI/IEEE C62.41 category: B, C
- Application sites: protection for 4 single lines or 2 pair lines in the high-frequency bus systems or video transmissions
- Protection elements: 2 stage protection circuit, gas discharge tubes + tranzorb diodes
- Number of protected lines: 4 (2 pairs)
- 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-4L-5	RSP-4L-12	RSP-4L-24	RSP-4L-48
<b>Electrical data</b>					
Rated operating voltage	$U_n$	5 V DC	12 V DC	24 V DC	48 V DC
Maximum continuous operating voltage	$U_c$	6 V DC 4,2 V AC	15 V DC 10,6 V AC	33 V DC 23,3 V AC	54 V DC 38 V AC
Rated load current at 25 °C	$I_L$			0,7 A	
C2 discharge current rated (8/20 $\mu$ s, total) rated (8/20 $\mu$ s, per line)	$I_n$			20 kA 5 kA	
D1 current impulse (10/350 $\mu$ s, per line)	$I_{imp}$			2 kA	
Voltage protection level at $I_{imp}$ (line-line, line-PG) at 1 kV/ $\mu$ s (line-line, line-PG)	$U_p$	$\leq 26$ V $\leq 11$ V	$\leq 40$ V $\leq 25$ V	$\leq 55$ V $\leq 48$ V	$\leq 100$ V $\leq 75$ V
Response time (line-line, line-PG) overvoltage protection	$t_A$			$\leq 1$ ns	
Serial resistance per line	$R$			1 $\Omega$	
Transverse capacitance (line-line) (line-PG)	$C$			$\leq 20$ pF $\leq 25$ pF	
Cut-off frequency (line-line)	$f_G$			100 MHz	
<b>General data</b>					
Ambient temperature (operating)	$T_a$			-40...+80 °C	
Cross section of cables connected to terminals				0,4...1,5 mm <sup>2</sup> (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)				95 x 7 x 98 mm	
Weight				68 g	

Dimensions



Connection diagram

