

# RSP-CL-485

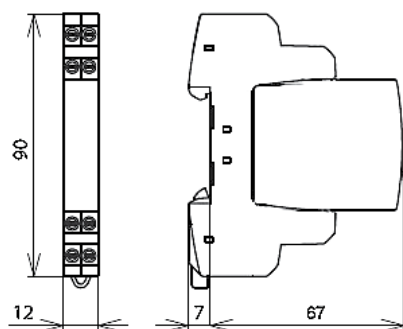
overvoltage arresters for data/communication network



- ANSI/IEEE C62.41 category: B, C
- Application sites: surge protection for 2 pair lines of closed circuit (loops) in the data, signal and communication systems: 4-20 mA current loop, analog/digital communication, RS485, RS422 (V11) interface, high-frequency bus system, 2 wires video transmission system
- Protection elements: 2 stage protection circuit, gas discharge tube + tranzorb diode
- Number of protected lines: 4 (2 pairs)
- 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-485	
<b>Electrical data</b>			
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 $\mu$ s, per line)	$I_n$	10 kA	
Discharge current max. (8/20 $\mu$ s, per line)	$I_{max}$	20 kA	
D1 current impulse (10/350 $\mu$ s, per line)	$I_{imp}$	2,5 kA	
Voltage protection level	$U_p$	at $I_n$ , C2 (8/20 $\mu$ s, line-line) $\leq$ 55 V at $I_n$ , C2 (8/20 $\mu$ s, line-PG) $\leq$ 500 V at C3, 1 kV/ $\mu$ s (line-line) $\leq$ 48 V at C3, 1 kV/ $\mu$ s (line-PG) $\leq$ 600 V	
Serial resistance per line	$R$	0,68 $\Omega$	
Cut-off frequency (line-line)	$f_G$	100 MHz	
<b>General data</b>			
Ambient temperature (operating)	$T_a$	-40...+85 °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)		90 x 12 x 74 mm	
Weight		71,6 g	

Dimensions



Connection diagram

