

RSP-SPLH-2-7A

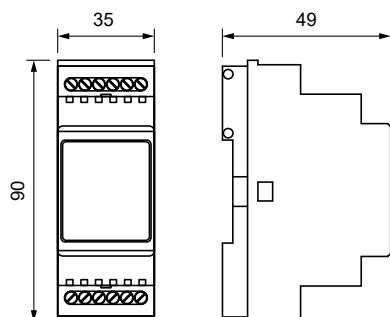
overvoltage arresters for data transmission systems



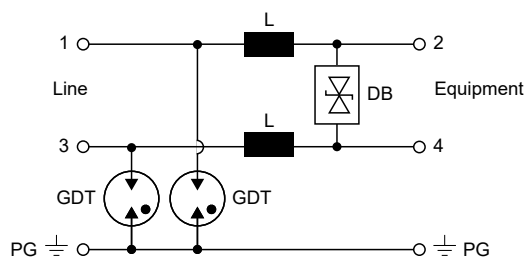
- IEC/EN category: D1/C1/C2/C3
- Application sites: DC power systems in telecom power
- Protection elements: DB + GDT
- Cover: compact
- Compliance with standards: IEC/EN 61643-21, UL 497B 4th Edition, CE, RoHS

Type of arrester		RSP-SPLH-2-7A	
Electrical data			
Rated operating voltage	U_n	36 V DC	
Maximum continuous operating voltage	U_c	45 V DC	
Rated load current	I_L	at 45 °C	7 A
		at 80 °C	5 A
C2 discharge current	I_n	rated (8/20 μ s) (line-ground)	10 kA
		total rated (8/20 μ s)	20 kA
D1 current	I_{imp}	impulse (10/350 μ s) (line-ground)	2,5 kA
		total impulse (10/350 μ s)	5 kA
Voltage protection level	U_p	at C2 (8/20 μ s) (line-ground)	< 1 000 V
		at C2 (8/20 μ s) (line-line)	< 180 V
Response time overvoltage protection	t_A	< 1 ns	
Insulation resistance of the protection (1-3, 2-4)	R_{iso}	> 45 M Ω	
Serial resistance per path (1-2, 3-4)	R	< 1 Ω	
Serial inductivity (1-3, 2-4)	L	22 μ H	
Transverse capacitance	C	(line-ground)	< 2 nF
		(line-line)	< 100 pF
General data			
Ambient temperature (operating)	T_a	-40...+80 °C	
Cross section of cables connected to terminals		2,5 mm ² (solid, stranded)	
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 35 x 49 mm	
Weight		90 g	

Dimensions



Connection diagram



Legend: DB (diode block), GDT (gas discharge tube), PG (protective grounding), L (inductor)