



1-pair DIN rail plug-in Data surge protector

CITEL

DLAH-06D3



- ▶ Pluggable surge protection for «DIN» mounting
- ▶ Coordination inductor
- ▶ Up to 2.4 A line current
- ▶ Remote supply version
- ▶ All types of Telephone and Data lines
- ▶ Shield wire protection
- ▶ IEC 61643-21 compliance



	Electrical Characteristics																																											
<p>G: 3-electrode gas tube Gb: 2-electrode gas tube L: Inductor D: Clamping diode</p>	<table border="1"> <tr> <td>Network</td> <td></td> <td>RS422, RS485</td> </tr> <tr> <td>Nominal line voltage</td> <td>Un</td> <td>6 V</td> </tr> <tr> <td>Max. DC operating voltage</td> <td>Uc</td> <td>8 Vdc</td> </tr> <tr> <td>Max. frequency</td> <td>f max.</td> <td>> 3 MHz</td> </tr> <tr> <td>Insertion loss</td> <td></td> <td>< 1 dB</td> </tr> <tr> <td>Max. load current @25°C</td> <td>IL</td> <td>2.4 A</td> </tr> <tr> <td>Max. discharge current max. withstand @ 8/20 μs by pole</td> <td>Imax</td> <td>20 kA</td> </tr> <tr> <td>Line inductance</td> <td></td> <td>10uH</td> </tr> <tr> <td>Protection level @ In (8/20 μs)</td> <td>Up L/L</td> <td>20 V</td> </tr> <tr> <td>Protection level @ In (8/20 μs)</td> <td>Up L/PE</td> <td>20 V</td> </tr> <tr> <td>Impulse current 2 x 10/350μs Test - D1 Category</td> <td>Iimp</td> <td>5 kA</td> </tr> <tr> <td>Line/Line Nominal discharge current C2 Category</td> <td>In L/L</td> <td>5 kA</td> </tr> <tr> <td>Nominal Discharge Current, X-C (Line/Earth) 8/20μs Test x 10 - C2 Category</td> <td>In L/PE</td> <td>5 kA</td> </tr> <tr> <td>Line resistance</td> <td></td> <td>0 Ohm</td> </tr> </table>		Network		RS422, RS485	Nominal line voltage	Un	6 V	Max. DC operating voltage	Uc	8 Vdc	Max. frequency	f max.	> 3 MHz	Insertion loss		< 1 dB	Max. load current @25°C	IL	2.4 A	Max. discharge current max. withstand @ 8/20 μs by pole	Imax	20 kA	Line inductance		10uH	Protection level @ In (8/20 μs)	Up L/L	20 V	Protection level @ In (8/20 μs)	Up L/PE	20 V	Impulse current 2 x 10/350μs Test - D1 Category	Iimp	5 kA	Line/Line Nominal discharge current C2 Category	In L/L	5 kA	Nominal Discharge Current, X-C (Line/Earth) 8/20μs Test x 10 - C2 Category	In L/PE	5 kA	Line resistance		0 Ohm
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	Mechanical Characteristics																																											
	Technology	GDT+Clamping diode																																										
	SPD configuration	1-pair+shielded																																										
	Connection to Network	By screw terminal: cross section 0.4-1.5mm ²																																										
	Format	Plug-in DIN box																																										
	Mounting	Symmetrical rail 35 mm (EN 60715)																																										
	Housing material	Thermoplastic UL94 V-0																																										
	Operating temperature	Tu -40/+85°C																																										
	Protection rating	IP20																																										
	Fail-safe mode	Short-circuit																																										
	Disconnection indicator	Transmission interrupt - default mode 2																																										
	Spare module(s)	DLAHM-06D3																																										
	Dimensions	See diagram																																										
	Standards																																											
	Standards compliance	IEC 61643-21 / EN 61643-21 / UL497A																																										
	Part number																																											
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