



# 1-pair DIN rail plug-in Data surge protector

# CITEL

## DLAH-12D3



- ▶ 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



	<b>Electrical Characteristics</b>																																											
<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>RS232, RS485</td> </tr> <tr> <td>Nominal line voltage</td> <td>Un</td> <td>12 V</td> </tr> <tr> <td>Max. DC operating voltage</td> <td>Uc</td> <td>15 Vdc</td> </tr> <tr> <td>Max. frequency</td> <td>f max.</td> <td>&gt; 3 MHz</td> </tr> <tr> <td>Insertion loss</td> <td></td> <td>&lt; 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>I<sub>max</sub></td> <td>20 kA</td> </tr> <tr> <td>Line inductance</td> <td></td> <td>10uH</td> </tr> <tr> <td>Protection level Following the test category C3 (IEC61643-21) - Line/Line</td> <td>Up</td> <td>30 V</td> </tr> <tr> <td>Protection level Following the test category C3 (IEC61643-21) - Line/PE</td> <td>Up</td> <td>20 V</td> </tr> <tr> <td>Impulse current 2 x 10/350μs Test - D1 Category</td> <td>I<sub>imp</sub></td> <td>5 kA</td> </tr> <tr> <td>Line/Line Nominal discharge current C2 Category</td> <td>I<sub>n L/L</sub></td> <td>5 kA</td> </tr> <tr> <td>Nominal Discharge Current, X-C (Line/Earth) 8/20μs Test x 10 - C2 Category</td> <td>I<sub>n L/PE</sub></td> <td>5 kA</td> </tr> <tr> <td>Line resistance</td> <td></td> <td>0 Ohm</td> </tr> </table>		Network		RS232, RS485	Nominal line voltage	Un	12 V	Max. DC operating voltage	Uc	15 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	I <sub>max</sub>	20 kA	Line inductance		10uH	Protection level Following the test category C3 (IEC61643-21) - Line/Line	Up	30 V	Protection level Following the test category C3 (IEC61643-21) - Line/PE	Up	20 V	Impulse current 2 x 10/350μs Test - D1 Category	I <sub>imp</sub>	5 kA	Line/Line Nominal discharge current C2 Category	I <sub>n L/L</sub>	5 kA	Nominal Discharge Current, X-C (Line/Earth) 8/20μs Test x 10 - C2 Category	I <sub>n L/PE</sub>	5 kA	Line resistance		0 Ohm
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