

DLA-12D3



- ✔ High current data transmission
- ✔ Common mode and differential mode protection
- ✔ Data lines, including those isolated from Earth
- ✔ Compact DIN rail enclosure, high density protection
- ✔ Protection of shield wire
- ✔ Plug-out with line cut-off
- ✔ Location and test categories: D1, C2, C3
- ✔ IEC 61643-21 compliance



	Electrical Characteristics																																								
<p>G: 3-electrode gas tube Gb: 2-electrode gas tube R: Resistor 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>> 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>300 mA</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 (± 10 %)</td> <td></td> <td>non</td> </tr> <tr> <td>Protection Level C3 (10/1000µs), 300 applications@10 A, X-X (Line/Line)</td> <td>Up</td> <td>30 V</td> </tr> <tr> <td>Protection level C3 (10/1000µs), 300 applications@10 A, X-C (Line/Earth)</td> <td>Up</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>Nominal discharge current C2 Category</td> <td>In</td> <td>5 kA</td> </tr> <tr> <td>Line resistance (± 10%)</td> <td></td> <td>4.7 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	300 mA	Max. discharge current max. withstand @ 8/20 µs by pole	Imax	20 kA	Line inductance (± 10 %)		non	Protection Level C3 (10/1000µs), 300 applications@10 A, X-X (Line/Line)	Up	30 V	Protection level C3 (10/1000µs), 300 applications@10 A, X-C (Line/Earth)	Up	20 V	Impulse current 2 x 10/350µs Test - D1 Category	Iimp	5 kA	Nominal discharge current C2 Category	In	5 kA	Line resistance (± 10%)		4.7 Ohm
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