



- ✦ 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
- ✦ Location and test categories: D1, C2, C3
- ✦ IEC 61643-21 compliance



	<b>Electrical Characteristics</b>																																								
<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>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>Cut-off frequency -3dB, 100 ohm system</td><td>f max.</td><td>&gt; 115 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>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>Protection Level C3 (10/1000μs), 300 applications@10 A, X-X (Line/Line)</td><td>Up</td><td>20 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		RS422, RS485	Nominal line voltage	Un	6 V	Max. DC operating voltage	Uc	8 Vdc	Cut-off frequency -3dB, 100 ohm system	f max.	> 115 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	Protection Level C3 (10/1000μs), 300 applications@10 A, X-X (Line/Line)	Up	20 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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