



- ✔ 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>RTC, ADSL2, VDSL2</td></tr> <tr><td>Nominal line voltage</td><td>Un</td><td>150 V</td></tr> <tr><td>Max. DC operating voltage</td><td>Uc</td><td>170 Vdc</td></tr> <tr><td>Cut-off frequency -3dB, 100 ohm system</td><td>f max.</td><td>&gt; 200 MHz</td></tr> <tr><td>Cut-off frequency -1dB, 100 ohm system</td><td>f max.</td><td>&gt; 200 MHz</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>Protection Level C3 (10/1000μs), 300 applications@10 A, X-X (Line/Line)</td><td>Up</td><td>&lt; 750 V</td></tr> <tr><td>Protection level C3 (10/1000μs), 300 applications@10 A, X-C (Line/Earth)</td><td>Up</td><td>&lt; 750 V</td></tr> <tr><td>Max. capacitance</td><td>C</td><td>&lt; 5 pF</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>Nominal discharge current C2 Category</td><td>I<sub>n</sub></td><td>5 kA</td></tr> <tr><td>Line resistance</td><td></td><td>&lt; 0.05 Ohm</td></tr> </table>		Network		RTC, ADSL2, VDSL2	Nominal line voltage	Un	150 V	Max. DC operating voltage	Uc	170 Vdc	Cut-off frequency -3dB, 100 ohm system	f max.	> 200 MHz	Cut-off frequency -1dB, 100 ohm system	f max.	> 200 MHz	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	Protection Level C3 (10/1000μs), 300 applications@10 A, X-X (Line/Line)	Up	< 750 V	Protection level C3 (10/1000μs), 300 applications@10 A, X-C (Line/Earth)	Up	< 750 V	Max. capacitance	C	< 5 pF	Impulse current 2 x 10/350μs Test - D1 Category	I <sub>imp</sub>	5 kA	Nominal discharge current C2 Category	I <sub>n</sub>	5 kA	Line resistance		< 0.05 Ohm
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Part number		640165																																							

