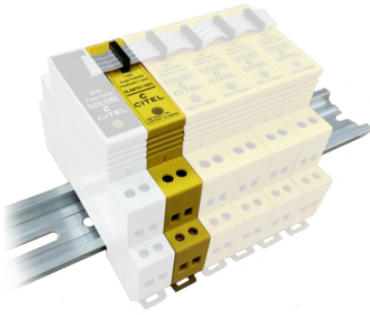




DLAWTS1-12D3



- ↳ Surge protection for 1-pair
- ↳ Pluggable protection module
- ↳ Optical fault indication
- ↳ Remote signalling (DLAWTS1-48DC required for power supply)
- ↳ Indirect shield connection
- ↳ Indirect earthing
- ↳ Signal interruption when module is disconnected
- ↳ Conforms to IEC 61643-21, VDE 0845-3-1 and UL497A



	Electrical Characteristics																																																				
<p>G: 3-electrode gas tube Gb: 2-electrode gas tube PTC: Thermal resistor R: Resistor D: Clamping diode Vi: Indicator</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. AC operating voltage</td> <td>Uc</td> <td>10 Vac</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>I_{max}</td> <td>20 kA</td> </tr> <tr> <td>Line inductance (± 10 %)</td> <td></td> <td>non</td> </tr> <tr> <td>Protection mode(s)</td> <td></td> <td>Common/Differential mode</td> </tr> <tr> <td>Protection level @ I_n (8/20 μs)</td> <td>Up L/L</td> <td>30 V</td> </tr> <tr> <td>Max. capacitance</td> <td>C</td> <td>< 50 pF</td> </tr> <tr> <td>Impulse current 2 x 10/350 μs Test - D1 Category</td> <td>I_{imp}</td> <td>5 kA</td> </tr> <tr> <td>Nominal discharge current C2 Category</td> <td>I_n</td> <td>5 kA</td> </tr> <tr> <td>Line/Line Nominal discharge current C2 Category</td> <td>I_n L/L</td> <td>5 kA</td> </tr> <tr> <td>Nominal Discharge Current, X-C (Line/Earth) 8/20 μs Test x 10 - C2 Category</td> <td>I_n L/PE</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. AC operating voltage	Uc	10 Vac	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	I _{max}	20 kA	Line inductance (± 10 %)		non	Protection mode(s)		Common/Differential mode	Protection level @ I _n (8/20 μs)	Up L/L	30 V	Max. capacitance	C	< 50 pF	Impulse current 2 x 10/350 μs Test - D1 Category	I _{imp}	5 kA	Nominal discharge current C2 Category	I _n	5 kA	Line/Line Nominal discharge current C2 Category	I _n L/L	5 kA	Nominal Discharge Current, X-C (Line/Earth) 8/20 μs Test x 10 - C2 Category	I _n L/PE	5 kA	Line resistance (± 10%)		4.7 Ohm
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