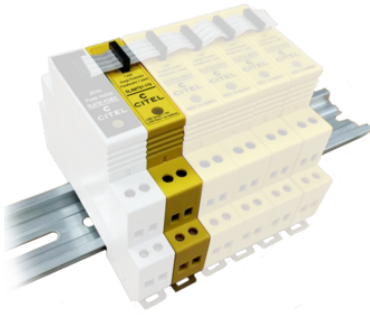




# 1-pair DIN rail plug-in Data surge protector

# CITEL

## DLAWTS1-170



- 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



	<b>Electrical Characteristics</b>																																																				
<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>RTC, ADSL2, VDSL2</td> </tr> <tr> <td>Nominal line voltage</td> <td>Un</td> <td>150 V</td> </tr> <tr> <td>Max. AC operating voltage</td> <td>Uc</td> <td>121 Vac</td> </tr> <tr> <td>Max. DC operating voltage</td> <td>Uc</td> <td>170 Vdc</td> </tr> <tr> <td>Max. frequency</td> <td>f max.</td> <td>10 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>I<sub>max</sub></td> <td>20 kA</td> </tr> <tr> <td>Line inductance</td> <td></td> <td>No</td> </tr> <tr> <td>Protection mode(s)</td> <td></td> <td>Common/Differential mode</td> </tr> <tr> <td>Protection level</td> <td></td> <td></td> </tr> <tr> <td colspan="3">Following the test category C3 (IEC61643-21) - Line/Line</td> </tr> <tr> <td>Max. capacitance</td> <td>C</td> <td>&lt; 50 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/Line Nominal discharge current C2 Category</td> <td>I<sub>n</sub> L/L</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</sub> L/PE</td> <td>5 kA</td> </tr> </table>		Network		RTC, ADSL2, VDSL2	Nominal line voltage	Un	150 V	Max. AC operating voltage	Uc	121 Vac	Max. DC operating voltage	Uc	170 Vdc	Max. frequency	f max.	10 MHz	Insertion loss		< 1 dB	Max. load current @25°C	IL	300 mA	Max. discharge current max. withstand @ 8/20 µs by pole	I <sub>max</sub>	20 kA	Line inductance		No	Protection mode(s)		Common/Differential mode	Protection level			Following the test category C3 (IEC61643-21) - Line/Line			Max. capacitance	C	< 50 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/Line Nominal discharge current C2 Category	I <sub>n</sub> L/L	5 kA	Nominal Discharge Current, X-C (Line/Earth) 8/20µs Test x 10 - C2 Category	I <sub>n</sub> L/PE	5 kA
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