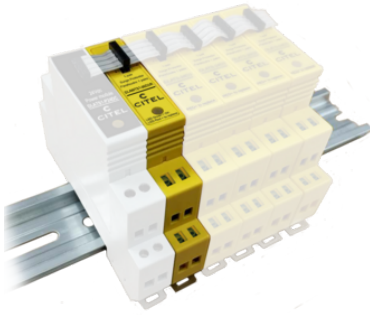




# 1-pair DIN rail plug-in Data surge protector

# CITEL

## DLAWTS1-06D3/R



- ↳ 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>RS422</td></tr> <tr><td>Nominal line voltage</td><td>Un</td><td>6 V</td></tr> <tr><td>Max. AC operating voltage</td><td>Uc</td><td>6 Vac</td></tr> <tr><td>Max. DC operating voltage</td><td>Uc</td><td>8 Vdc</td></tr> <tr><td>Max. frequency</td><td>f max.</td><td>&gt; 3 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 Following the test category C3 (IEC61643-21) - Line/Line</td><td>Up</td><td>20 V</td></tr> <tr><td>Max. capacitance</td><td>C</td><td>&lt; 50 pF</td></tr> <tr><td>Impulse current 2 x 10/350 μs 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) 8/20 μs Test x 10 - C2 Category</td><td>I<sub>n</sub> L/PE</td><td>5 kA</td></tr> </table>		Network		RS422	Nominal line voltage	Un	6 V	Max. AC operating voltage	Uc	6 Vac	Max. DC operating voltage	Uc	8 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 <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	Up	20 V	Max. capacitance	C	< 50 pF	Impulse current 2 x 10/350 μs 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) 8/20 μs Test x 10 - C2 Category	I <sub>n</sub> L/PE	5 kA										
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