



CITEL

1-pair DIN rail plug-in Data surge protector

DLAWS1-48D3/R



- 1-pair Surge protection
- Pluggable protection module
- Optical fault indication
- Indirect shield connection
- Visual indicator in failsafe behaviour
- Indirect earthing
- Current circuit disconnection when module is unplugged
- Conforms to IEC 61643-21, VDE 0845-3-1 and UL497B



	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>RNIS-T0, 48 V line</td> </tr> <tr> <td>Nominal line voltage</td> <td>Un</td> <td>48 V</td> </tr> <tr> <td>Max. DC operating voltage</td> <td>Uc</td> <td>53 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. discharge current <i>max. withstand @ 8/20 μs by pole</i></td> <td>I_{max}</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 <i>@ I_n (8/20 μs)</i></td> <td>Up L/L</td> <td>70 V</td> </tr> <tr> <td>Impulse current <i>2 x 10/350 μs Test - D1 Category</i></td> <td>I_{imp}</td> <td>5 kA</td> </tr> <tr> <td>Nominal discharge current <i>C2 Category</i></td> <td>I_n</td> <td>5 kA</td> </tr> <tr> <td>Line/Line Nominal discharge current <i>C2 Category</i></td> <td>I_n L/L</td> <td>5 kA</td> </tr> <tr> <td>Nominal Discharge Current, X-C (Line/Earth) <i>8/20 μs Test x 10 - C2 Category</i></td> <td>I_n L/PE</td> <td>5 kA</td> </tr> <tr> <td>Line resistance</td> <td></td> <td>< 4.7 Ohm</td> </tr> </table>		Network		RNIS-T0, 48 V line	Nominal line voltage	Un	48 V	Max. DC operating voltage	Uc	53 Vdc	Max. frequency	f max.	> 3 MHz	Insertion loss		< 1 dB	Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	20 kA	Line inductance		No	Protection mode(s)		Common/Differential mode	Protection level <i>@ I_n (8/20 μs)</i>	Up L/L	70 V	Impulse current <i>2 x 10/350 μs Test - D1 Category</i>	I _{imp}	5 kA	Nominal discharge current <i>C2 Category</i>	I _n	5 kA	Line/Line Nominal discharge current <i>C2 Category</i>	I _n L/L	5 kA	Nominal Discharge Current, X-C (Line/Earth) <i>8/20 μs Test x 10 - C2 Category</i>	I _n L/PE	5 kA	Line resistance		< 4.7 Ohm										
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