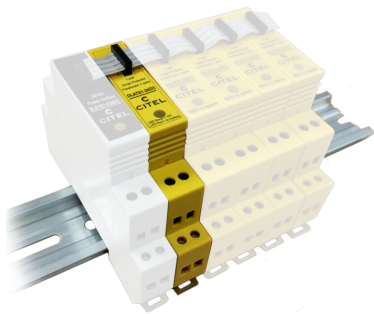


## DLATS1-24D3



- ✦ 1-pair data line/telecom surge protection
- ✦ Local and Remote signaling of SPD status
- ✦ DIN rail mounting, Screw connect status
- ✦ Plug-in module
- ✦ 1 monitoring module + SPD modules (up to 48) + bus
- ✦ Discharge current  $I_{max}/I_n$ : 20 kA / 5kA
- ✦ Complies with IEC/EN 61643-21 and UL497B



	<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>4-20 mA</td></tr> <tr><td>Nominal line voltage</td><td><math>U_n</math></td><td>24 V</td></tr> <tr><td>Max. DC operating voltage</td><td><math>U_c</math></td><td>28 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><math>I_L</math></td><td>300 mA</td></tr> <tr><td>Max. discharge current max. withstand @ 8/20 <math>\mu</math>s by pole</td><td><math>I_{max}</math></td><td>20 kA</td></tr> <tr><td>Line inductance (<math>\pm 10\%</math>)</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 C3 (10/1000<math>\mu</math>s), 300 applications@10 A, X-X (Line/Line)</td><td>Up</td><td>40 V</td></tr> <tr><td>Protection level C3 (10/1000<math>\mu</math>s), 300 applications@10 A, X-C (Line/Earth)</td><td>Up</td><td>40 V</td></tr> <tr><td>Impulse current 2 x 10/350<math>\mu</math>s Test - D1 Category</td><td><math>I_{imp}</math></td><td>5 kA</td></tr> <tr><td>Nominal discharge current C2 Category</td><td><math>I_n</math></td><td>5 kA</td></tr> <tr><td>Line/Line Nominal discharge current C2 Category</td><td><math>I_n</math> L/L</td><td>5 kA</td></tr> <tr><td>Nominal Discharge Current, X-C (Line/Earth) 8/20<math>\mu</math>s Test x 10 - C2 Category</td><td><math>I_n</math> L/PE</td><td>5 kA</td></tr> <tr><td>Line resistance (<math>\pm 10\%</math>)</td><td></td><td>4.7 Ohm</td></tr> </table>		Network		4-20 mA	Nominal line voltage	$U_n$	24 V	Max. DC operating voltage	$U_c$	28 Vdc	Max. frequency	f max.	> 3 MHz	Insertion loss		< 1 dB	Max. load current @25°C	$I_L$	300 mA	Max. discharge current max. withstand @ 8/20 $\mu$ s by pole	$I_{max}$	20 kA	Line inductance ( $\pm 10\%$ )		non	Protection mode(s)		Common/Differential mode	Protection Level C3 (10/1000 $\mu$ s), 300 applications@10 A, X-X (Line/Line)	Up	40 V	Protection level C3 (10/1000 $\mu$ s), 300 applications@10 A, X-C (Line/Earth)	Up	40 V	Impulse current 2 x 10/350 $\mu$ s 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 $\mu$ s Test x 10 - C2 Category	$I_n$ L/PE	5 kA	Line resistance ( $\pm 10\%$ )		4.7 Ohm
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