



# CITEL

## 1-pair monobloc Telecom surge protector

### DLA-24D3G



- High speed data transmission
- Common mode and differential mode protection
- Data lines, including those isolated from Earth
- Compact DIN rail enclosure, high density protection
- Protection of shield wire
- Location and test categories: D1, C2, C3
- IEC 61643-21 compliance



	<b>Electrical Characteristics</b>																																							
<p><b>G: 3-electrode gas tube</b>  <b>Gb: 2-electrode gas tube</b>  <b>R: Resistor</b>  <b>D: Clamping diode</b>  <b>SG: Signal ground</b></p>	<table border="1"> <tr> <td>Network</td> <td></td> <td>4-20 mA, 24 V analogic</td> </tr> <tr> <td>Nominal line voltage</td> <td>Un</td> <td>24 V</td> </tr> <tr> <td>Max. DC operating voltage</td> <td>Uc</td> <td>36 Vdc</td> </tr> <tr> <td>Cut-off frequency -3dB, 100 ohm system</td> <td>f max.</td> <td>&gt; 80 MHz</td> </tr> <tr> <td>Cut-off frequency -1dB, 100 ohm system</td> <td>f max.</td> <td>&gt; 45 MHz</td> </tr> <tr> <td>Max. load current @25°C</td> <td>IL</td> <td>750 mA</td> </tr> <tr> <td>Max. discharge current max. withstand @ 8/20 μs by pole</td> <td>Imax</td> <td>20 kA</td> </tr> <tr> <td>Nominal Discharge Current C2 (1.2/50μs / 8/20μs), 10 applications, X-X (Line/Line), X-SG (Line/Signal Ground)</td> <td>In</td> <td>10 kA</td> </tr> <tr> <td>Nominal Discharge Current C2 (1.2/50μs / 8/20μs), 10 applications, X-C (Line/Earth), SG-C (Signal Ground/Earth)</td> <td>In</td> <td>10 kA</td> </tr> <tr> <td>Protection Level C3 (10/1000μs), 300 applications@10 A, Y-Y (Line-Line), Y-SG (Line-Signal Ground)</td> <td>Up</td> <td>60 V</td> </tr> <tr> <td>Protection Level C3 (10/1000μs), 300 applications@10 A, Y-C (Line-Earth), SG-C (Signal Ground-Earth)</td> <td>Up</td> <td>650 V</td> </tr> <tr> <td>Impulse current D1 (10/350μs), 2 applications, X-C (Line/Earth), X-SG (Line/Signal Ground) and SG-C</td> <td>limp</td> <td>2.5 kA</td> </tr> <tr> <td>Line resistance (± 10%)</td> <td></td> <td>1.5 Ohm</td> </tr> </table>	Network		4-20 mA, 24 V analogic	Nominal line voltage	Un	24 V	Max. DC operating voltage	Uc	36 Vdc	Cut-off frequency -3dB, 100 ohm system	f max.	> 80 MHz	Cut-off frequency -1dB, 100 ohm system	f max.	> 45 MHz	Max. load current @25°C	IL	750 mA	Max. discharge current max. withstand @ 8/20 μs by pole	Imax	20 kA	Nominal Discharge Current C2 (1.2/50μs / 8/20μs), 10 applications, X-X (Line/Line), X-SG (Line/Signal Ground)	In	10 kA	Nominal Discharge Current C2 (1.2/50μs / 8/20μs), 10 applications, X-C (Line/Earth), SG-C (Signal Ground/Earth)	In	10 kA	Protection Level C3 (10/1000μs), 300 applications@10 A, Y-Y (Line-Line), Y-SG (Line-Signal Ground)	Up	60 V	Protection Level C3 (10/1000μs), 300 applications@10 A, Y-C (Line-Earth), SG-C (Signal Ground-Earth)	Up	650 V	Impulse current D1 (10/350μs), 2 applications, X-C (Line/Earth), X-SG (Line/Signal Ground) and SG-C	limp	2.5 kA	Line resistance (± 10%)		1.5 Ohm
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