



# CITEL

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

### DLA-12-IS



- High current 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
- Plug-out with line cut-off
- Location and test categories: D1, C2, C3
- IEC 61643-21 compliance



<p>68 18 90 DIN rail</p>	<b>Electrical Characteristics</b>																																											
<p>1a, 2a, 3a, 4a, 5a, 6a 1b, 2b, 3b, 4b, 5b, 6b Data, Signal Ground, Shield grounded directly, Shield grounded via Gas Tube, Ground earth possible on DIN rail</p> <p>G: 3-electrode gas tube Gb: 2-electrode gas tube D: Clamping diode</p>	<table border="1"> <tr><td>Network</td><td></td><td>Floating applications, E.g: RS232 / RS485</td></tr> <tr><td>Nominal line voltage</td><td>Un</td><td>12 V</td></tr> <tr><td>Max. DC operating voltage</td><td>Uc</td><td>15 Vdc</td></tr> <tr><td>Max. frequency, in the channel</td><td>f max.</td><td>DC bis 3 MHz</td></tr> <tr><td>Insertion loss</td><td></td><td>&lt; 1 dB</td></tr> <tr><td>Max. discharge current max. withstand @ 8/20 μs, X-C (Line/Earth)</td><td>Imax</td><td>20 kA</td></tr> <tr><td>Protection Level C3 category (10/1000μs), 300 applications@10 A, X-X (Line/Line)</td><td>Up</td><td>30 V</td></tr> <tr><td>Protection level C3 category (10/1000μs), 300 applications@10 A, X-C (Line/Earth)</td><td>Up</td><td>650 V</td></tr> <tr><td>Impulse current D1 category (10/350μs), 2 applications, X-C (Line/Earth)</td><td>limp</td><td>5 kA</td></tr> <tr><td>Nominal Discharge Current C2 category (8/20μs), 10 applications, X-X (Line/Line)</td><td>In</td><td>200 A</td></tr> <tr><td>Nominal discharge current C2 category (8/20μs), 10 applications X-C (Line/Earth)</td><td>In</td><td>5 kA</td></tr> <tr><td>Max. Load current</td><td>IL</td><td>2,4 A</td></tr> <tr><td>Line resistance</td><td></td><td>0 Ohm</td></tr> <tr><td>Capacitance @ 1MHz, X-C (Line/Earth)</td><td>C</td><td>&lt; 50 pF</td></tr> </table>	Network		Floating applications, E.g: RS232 / RS485	Nominal line voltage	Un	12 V	Max. DC operating voltage	Uc	15 Vdc	Max. frequency, in the channel	f max.	DC bis 3 MHz	Insertion loss		< 1 dB	Max. discharge current max. withstand @ 8/20 μs, X-C (Line/Earth)	Imax	20 kA	Protection Level C3 category (10/1000μs), 300 applications@10 A, X-X (Line/Line)	Up	30 V	Protection level C3 category (10/1000μs), 300 applications@10 A, X-C (Line/Earth)	Up	650 V	Impulse current D1 category (10/350μs), 2 applications, X-C (Line/Earth)	limp	5 kA	Nominal Discharge Current C2 category (8/20μs), 10 applications, X-X (Line/Line)	In	200 A	Nominal discharge current C2 category (8/20μs), 10 applications X-C (Line/Earth)	In	5 kA	Max. Load current	IL	2,4 A	Line resistance		0 Ohm	Capacitance @ 1MHz, X-C (Line/Earth)	C	< 50 pF	
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