



### DLA-24-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</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: 4-20mA or 24 V line</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>28 Vdc</td> </tr> <tr> <td>Max. frequency, in the channel</td> <td>f max.</td> <td>DC to 3 MHz</td> </tr> <tr> <td>Insertion loss</td> <td></td> <td>&lt; 1 dB</td> </tr> <tr> <td>Max. discharge current <i>max. withstand @ 8/20 μs, X-C (Line/Earth)</i></td> <td>Imax</td> <td>20 kA</td> </tr> <tr> <td>Protection Level <i>C3 category (10/1000μs), 300 applications@10 A, X-X (Line/Line)</i></td> <td>Up</td> <td>40 V</td> </tr> <tr> <td>Protection level <i>C3 category (10/1000μs), 300 applications@10 A, X-C (Line/Earth)</i></td> <td>Up</td> <td>650 V</td> </tr> <tr> <td>Impulse current <i>D1 category (10/350μs), 2 applications, X-C (Line/Earth)</i></td> <td>limp</td> <td>5 kA</td> </tr> <tr> <td>Nominal Discharge Current <i>C2 category (8/20μs), 10 applications, X-X (Line/Line)</i></td> <td>In</td> <td>200 A</td> </tr> <tr> <td>Nominal discharge current <i>C2 category (8/20μs), 10 applications X-C (Line/Earth)</i></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 <i>@ 1MHz, X-C (Line/Earth)</i></td> <td>C</td> <td>&lt; 50 pF</td> </tr> </table>	Network		Floating applications, E.g: 4-20mA or 24 V line	Nominal line voltage	Un	24 V	Max. DC operating voltage	Uc	28 Vdc	Max. frequency, in the channel	f max.	DC to 3 MHz	Insertion loss		< 1 dB	Max. discharge current <i>max. withstand @ 8/20 μs, X-C (Line/Earth)</i>	Imax	20 kA	Protection Level <i>C3 category (10/1000μs), 300 applications@10 A, X-X (Line/Line)</i>	Up	40 V	Protection level <i>C3 category (10/1000μs), 300 applications@10 A, X-C (Line/Earth)</i>	Up	650 V	Impulse current <i>D1 category (10/350μs), 2 applications, X-C (Line/Earth)</i>	limp	5 kA	Nominal Discharge Current <i>C2 category (8/20μs), 10 applications, X-X (Line/Line)</i>	In	200 A	Nominal discharge current <i>C2 category (8/20μs), 10 applications X-C (Line/Earth)</i>	In	5 kA	Max. Load current	IL	2,4 A	Line resistance		0 Ohm	Capacitance <i>@ 1MHz, X-C (Line/Earth)</i>	C	< 50 pF	<table border="1"> <tr> <td colspan="2"><b>Mechanical Characteristics</b></td> </tr> <tr> <td>Technology</td> <td>GDT+Clamping diode</td> </tr> <tr> <td>SPD configuration</td> <td>1-pair+shielded</td> </tr> <tr> <td>Connection to Network</td> <td>By screw terminal: cross section 0.5-2.5mm<sup>2</sup></td> </tr> <tr> <td>Mounting</td> <td>Symmetrical rail 35 mm (EN 60715)</td> </tr> <tr> <td>Housing material</td> <td>Thermoplastic UL94 V-0</td> </tr> <tr> <td>Operating and storage temperature</td> <td>-40/+85°C</td> </tr> <tr> <td>Ingress Protection rating</td> <td>IP20 (NEMA 2)</td> </tr> <tr> <td>Failsafe mode</td> <td>Short-circuit</td> </tr> <tr> <td>Disconnection indicator</td> <td>Transmission interrupt - default mode 2</td> </tr> <tr> <td>Spare module(s)</td> <td>DLAM-24-IS</td> </tr> <tr> <td>Dimensions</td> <td>See diagram</td> </tr> <tr> <td>Weight</td> <td>0.087 kg</td> </tr> </table>	<b>Mechanical Characteristics</b>		Technology	GDT+Clamping diode	SPD configuration	1-pair+shielded	Connection to Network	By screw terminal: cross section 0.5-2.5mm <sup>2</sup>	Mounting	Symmetrical rail 35 mm (EN 60715)	Housing material	Thermoplastic UL94 V-0	Operating and storage temperature	-40/+85°C	Ingress Protection rating	IP20 (NEMA 2)	Failsafe mode	Short-circuit	Disconnection indicator	Transmission interrupt - default mode 2	Spare module(s)	DLAM-24-IS	Dimensions	See diagram	Weight	0.087 kg
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