



### 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 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: 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 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>40 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: 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 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	40 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	<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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