



### 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



	<b>Electrical Characteristics</b>																																											
<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 <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>30 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: 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 <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	30 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
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 <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	30 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																																										
	<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-12-IS																																										
	Dimensions	See diagram																																										
	Weight	0.087 kg																																										
	<b>Standards</b>																																											
	Standards compliance	IEC 61643-21 / EN 61643-21																																										
	<b>Part number</b>																																											
	<b>640152</b>																																											

