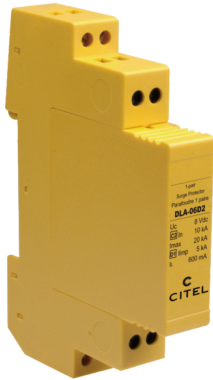


## DLA-06D2



- ✔ 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 R: Resistor D: Clamping diode</p>	<table border="1"> <tr><td>Network</td><td></td><td>RS422, RS485</td></tr> <tr><td>Nominal line voltage</td><td>Un</td><td>6 V</td></tr> <tr><td>Max. DC operating voltage</td><td>Uc</td><td>8 Vdc</td></tr> <tr><td>Max. frequency</td><td>f max.</td><td>&gt; 50 MHz</td></tr> <tr><td>Insertion loss</td><td></td><td>&lt; 0.1 dB</td></tr> <tr><td>Max. load current @25°C</td><td>IL</td><td>600 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>Line inductance (± 10 %)</td><td></td><td>non</td></tr> <tr><td>Protection Level C3 (10/1000μs), 300 applications@10 A, X-X (Line/Line)</td><td>Up</td><td>30 V</td></tr> <tr><td>Protection level C3 (10/1000μs), 300 applications@10 A, X-C (Line/Earth)</td><td>Up</td><td>650 V</td></tr> <tr><td>Impulse current 2 x 10/350μs Test - D1 Category</td><td>Iimp</td><td>5 kA</td></tr> <tr><td>Nominal discharge current C2 Category</td><td>In</td><td>10 kA</td></tr> <tr><td>Line resistance (± 10%)</td><td></td><td>2 Ohm</td></tr> </table>		Network		RS422, RS485	Nominal line voltage	Un	6 V	Max. DC operating voltage	Uc	8 Vdc	Max. frequency	f max.	> 50 MHz	Insertion loss		< 0.1 dB	Max. load current @25°C	IL	600 mA	Max. discharge current max. withstand @ 8/20 μs by pole	Imax	20 kA	Line inductance (± 10 %)		non	Protection Level C3 (10/1000μs), 300 applications@10 A, X-X (Line/Line)	Up	30 V	Protection level C3 (10/1000μs), 300 applications@10 A, X-C (Line/Earth)	Up	650 V	Impulse current 2 x 10/350μs Test - D1 Category	Iimp	5 kA	Nominal discharge current C2 Category	In	10 kA	Line resistance (± 10%)		2 Ohm
Network		RS422, RS485																																							
Nominal line voltage	Un	6 V																																							
Max. DC operating voltage	Uc	8 Vdc																																							
Max. frequency	f max.	> 50 MHz																																							
Insertion loss		< 0.1 dB																																							
Max. load current @25°C	IL	600 mA																																							
Max. discharge current max. withstand @ 8/20 μs by pole	Imax	20 kA																																							
Line inductance (± 10 %)		non																																							
Protection Level C3 (10/1000μs), 300 applications@10 A, X-X (Line/Line)	Up	30 V																																							
Protection level C3 (10/1000μs), 300 applications@10 A, X-C (Line/Earth)	Up	650 V																																							
Impulse current 2 x 10/350μs Test - D1 Category	Iimp	5 kA																																							
Nominal discharge current C2 Category	In	10 kA																																							
Line resistance (± 10%)		2 Ohm																																							
<b>Mechanical Characteristics</b>																																									
<table border="1"> <tr><td>Technology</td><td></td><td>GDT+TVS diode</td></tr> <tr><td>SPD configuration</td><td></td><td>1-pair+shielded</td></tr> <tr><td>Connection to Network</td><td></td><td>By screw terminal: cross section 0.5-2.5mm<sup>2</sup></td></tr> <tr><td>Format</td><td></td><td>Plug-in DIN box</td></tr> <tr><td>Mounting</td><td></td><td>Symmetrical rail 35 mm (EN 60715)</td></tr> <tr><td>Housing material</td><td></td><td>Thermoplastic UL94 V-0</td></tr> <tr><td>Operating temperature</td><td>Tu</td><td>-40/+85°C</td></tr> <tr><td>Protection rating</td><td></td><td>IP20</td></tr> <tr><td>Failsafe mode</td><td></td><td>Short-circuit</td></tr> <tr><td>Disconnection indicator</td><td></td><td>Transmission interrupt - default mode 2</td></tr> <tr><td>Spare module(s)</td><td></td><td>DLAM-06D2</td></tr> <tr><td>Dimensions</td><td></td><td>See diagram</td></tr> <tr><td>Weight</td><td></td><td>0.063 kg</td></tr> </table>			Technology		GDT+TVS diode	SPD configuration		1-pair+shielded	Connection to Network		By screw terminal: cross section 0.5-2.5mm <sup>2</sup>	Format		Plug-in DIN box	Mounting		Symmetrical rail 35 mm (EN 60715)	Housing material		Thermoplastic UL94 V-0	Operating temperature	Tu	-40/+85°C	Protection rating		IP20	Failsafe mode		Short-circuit	Disconnection indicator		Transmission interrupt - default mode 2	Spare module(s)		DLAM-06D2	Dimensions		See diagram	Weight		0.063 kg
Technology		GDT+TVS diode																																							
SPD configuration		1-pair+shielded																																							
Connection to Network		By screw terminal: cross section 0.5-2.5mm <sup>2</sup>																																							
Format		Plug-in DIN box																																							
Mounting		Symmetrical rail 35 mm (EN 60715)																																							
Housing material		Thermoplastic UL94 V-0																																							
Operating temperature	Tu	-40/+85°C																																							
Protection rating		IP20																																							
Failsafe mode		Short-circuit																																							
Disconnection indicator		Transmission interrupt - default mode 2																																							
Spare module(s)		DLAM-06D2																																							
Dimensions		See diagram																																							
Weight		0.063 kg																																							
<b>Standards</b>																																									
Standards compliance		IEC 61643-21 / EN 61643-21																																							
<b>Part number</b>																																									
6401611																																									