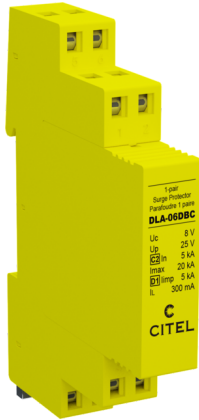


DLA-06DBC/R



- ✦ 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



	Electrical Characteristics																																											
<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>MIC/T2, 10BaseT</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>> 20 MHz</td> </tr> <tr> <td>Insertion loss</td> <td></td> <td>< 1 dB</td> </tr> <tr> <td>Max. load current @25°C</td> <td>IL</td> <td>300 mA</td> </tr> <tr> <td>Max. discharge current max. withstand @ 8/20 µs by pole</td> <td>I_{max}</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>25 V</td> </tr> <tr> <td>Protection level C3 (10/1000µs), 300 applications@10 A, X-C (Line/Earth)</td> <td>Up</td> <td>20 V</td> </tr> <tr> <td>Max. capacitance</td> <td>C</td> <td>< 50 pF</td> </tr> <tr> <td>Impulse current 2 x 10/350µs Test - D1 Category</td> <td>I_{imp}</td> <td>5 kA</td> </tr> <tr> <td>Nominal discharge current C2 Category</td> <td>I_n</td> <td>5 kA</td> </tr> <tr> <td>Line resistance (± 10%)</td> <td></td> <td>4.7 Ohm</td> </tr> </table>		Network		MIC/T2, 10BaseT	Nominal line voltage	Un	6 V	Max. DC operating voltage	Uc	8 Vdc	Max. frequency	f max.	> 20 MHz	Insertion loss		< 1 dB	Max. load current @25°C	IL	300 mA	Max. discharge current max. withstand @ 8/20 µs by pole	I _{max}	20 kA	Line inductance (± 10 %)		non	Protection Level C3 (10/1000µs), 300 applications@10 A, X-X (Line/Line)	Up	25 V	Protection level C3 (10/1000µs), 300 applications@10 A, X-C (Line/Earth)	Up	20 V	Max. capacitance	C	< 50 pF	Impulse current 2 x 10/350µs Test - D1 Category	I _{imp}	5 kA	Nominal discharge current C2 Category	I _n	5 kA	Line resistance (± 10%)		4.7 Ohm
Network		MIC/T2, 10BaseT																																										
Nominal line voltage	Un	6 V																																										
Max. DC operating voltage	Uc	8 Vdc																																										
Max. frequency	f max.	> 20 MHz																																										
Insertion loss		< 1 dB																																										
Max. load current @25°C	IL	300 mA																																										
Max. discharge current max. withstand @ 8/20 µs by pole	I _{max}	20 kA																																										
Line inductance (± 10 %)		non																																										
Protection Level C3 (10/1000µs), 300 applications@10 A, X-X (Line/Line)	Up	25 V																																										
Protection level C3 (10/1000µs), 300 applications@10 A, X-C (Line/Earth)	Up	20 V																																										
Max. capacitance	C	< 50 pF																																										
Impulse current 2 x 10/350µs Test - D1 Category	I _{imp}	5 kA																																										
Nominal discharge current C2 Category	I _n	5 kA																																										
Line resistance (± 10%)		4.7 Ohm																																										
	Mechanical Characteristics																																											
	<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>Spring terminal: cross section 0.5-2.5mm²</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 and storage temperature</td> <td></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-06dBC</td> </tr> <tr> <td>Dimensions</td> <td></td> <td>See diagram</td> </tr> </table>		Technology		GDT+TVS diode	SPD configuration		1-pair+shielded	Connection to Network		Spring terminal: cross section 0.5-2.5mm ²	Format		Plug-in DIN box	Mounting		Symmetrical rail 35 mm (EN 60715)	Housing material		Thermoplastic UL94 V-0	Operating and storage temperature		-40/+85°C	Protection rating		IP20	Failsafe mode		Short-circuit	Disconnection indicator		Transmission interrupt - default mode 2	Spare module(s)		DLAM-06dBC	Dimensions		See diagram						
Technology		GDT+TVS diode																																										
SPD configuration		1-pair+shielded																																										
Connection to Network		Spring terminal: cross section 0.5-2.5mm ²																																										
Format		Plug-in DIN box																																										
Mounting		Symmetrical rail 35 mm (EN 60715)																																										
Housing material		Thermoplastic UL94 V-0																																										
Operating and storage temperature		-40/+85°C																																										
Protection rating		IP20																																										
Failsafe mode		Short-circuit																																										
Disconnection indicator		Transmission interrupt - default mode 2																																										
Spare module(s)		DLAM-06dBC																																										
Dimensions		See diagram																																										
	Standards																																											
	<table border="1"> <tr> <td>Standards compliance</td> <td></td> <td>IEC 61643-21 / EN 61643-21</td> </tr> </table>		Standards compliance		IEC 61643-21 / EN 61643-21																																							
Standards compliance		IEC 61643-21 / EN 61643-21																																										
	Part number																																											
	<table border="1"> <tr> <td>Part number</td> <td></td> <td>6401214</td> </tr> </table>		Part number		6401214																																							
Part number		6401214																																										