



CITEL

1-pair DIN rail plug-in Data surge protector

DLA-12D3



- 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>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</td><td>f max.</td><td>> 3 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>Imax</td><td>20 kA</td></tr> <tr><td>Line inductance</td><td></td><td>No</td></tr> <tr><td>Protection level @ In (8/20 μs)</td><td>Up L/L</td><td>30 V</td></tr> <tr><td>Protection level @ In (8/20 μs)</td><td>Up L/PE</td><td>20 V</td></tr> <tr><td>Impulse current 2 x 10/350 μs Test - D1 Category</td><td>Iimp</td><td>5 kA</td></tr> <tr><td>Nominal discharge current C2 Category</td><td>In</td><td>5 kA</td></tr> <tr><td>Line resistance</td><td></td><td>< 4.7 Ohm</td></tr> </table>		Network		RS232, RS485	Nominal line voltage	Un	12 V	Max. DC operating voltage	Uc	15 Vdc	Max. frequency	f max.	> 3 MHz	Insertion loss		< 1 dB	Max. load current @25°C	IL	300 mA	Max. discharge current max. withstand @ 8/20 μs by pole	Imax	20 kA	Line inductance		No	Protection level @ In (8/20 μs)	Up L/L	30 V	Protection level @ In (8/20 μs)	Up L/PE	20 V	Impulse current 2 x 10/350 μs Test - D1 Category	Iimp	5 kA	Nominal discharge current C2 Category	In	5 kA	Line resistance		< 4.7 Ohm
Network		RS232, RS485																																							
Nominal line voltage	Un	12 V																																							
Max. DC operating voltage	Uc	15 Vdc																																							
Max. frequency	f max.	> 3 MHz																																							
Insertion loss		< 1 dB																																							
Max. load current @25°C	IL	300 mA																																							
Max. discharge current max. withstand @ 8/20 μs by pole	Imax	20 kA																																							
Line inductance		No																																							
Protection level @ In (8/20 μs)	Up L/L	30 V																																							
Protection level @ In (8/20 μs)	Up L/PE	20 V																																							
Impulse current 2 x 10/350 μs Test - D1 Category	Iimp	5 kA																																							
Nominal discharge current C2 Category	In	5 kA																																							
Line resistance		< 4.7 Ohm																																							
Mechanical Characteristics																																									
<table border="1"> <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 0.5-2.5mm²</td></tr> <tr><td>Format</td><td>Plug-in DIN box</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 temperature</td><td>Tu -40/+85°C</td></tr> <tr><td>Protection rating</td><td>IP20</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-12D3</td></tr> <tr><td>Dimensions</td><td>See diagram</td></tr> </table>		Technology	GDT+Clamping diode	SPD configuration	1-pair+shielded	Connection to Network	By screw 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 temperature	Tu -40/+85°C	Protection rating	IP20	Failsafe mode	Short-circuit	Disconnection indicator	Transmission interrupt - default mode 2	Spare module(s)	DLAM-12D3	Dimensions	See diagram																
Technology	GDT+Clamping diode																																								
SPD configuration	1-pair+shielded																																								
Connection to Network	By screw 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 temperature	Tu -40/+85°C																																								
Protection rating	IP20																																								
Failsafe mode	Short-circuit																																								
Disconnection indicator	Transmission interrupt - default mode 2																																								
Spare module(s)	DLAM-12D3																																								
Dimensions	See diagram																																								
Standards																																									
<table border="1"> <tr><td>Standards compliance</td><td>IEC 61643-21 / EN 61643-21 / UL497B</td></tr> <tr><td>Certification</td><td>UL Listed</td></tr> </table>		Standards compliance	IEC 61643-21 / EN 61643-21 / UL497B	Certification	UL Listed																																				
Standards compliance	IEC 61643-21 / EN 61643-21 / UL497B																																								
Certification	UL Listed																																								
Part number																																									
6402011																																									

