



CITEL

1-pair DIN rail plug-in Data surge protector

DLA-24D3



- 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>4-20 mA</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</td><td>f max.</td><td>> 3 MHz</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 @ I_n (8/20 μs)</td><td>Up L/L</td><td>40 V</td></tr> <tr><td>Impulse current 2 x 10/350 μs 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		4-20 mA	Nominal line voltage	Un	24 V	Max. DC operating voltage	Uc	28 Vdc	Max. frequency	f max.	> 3 MHz	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 @ I _n (8/20 μs)	Up L/L	40 V	Impulse current 2 x 10/350 μs Test - D1 Category	I _{imp}	5 kA	Nominal discharge current C2 Category	I _n	5 kA	Line resistance (± 10 %)		4.7 Ohm			
Network		4-20 mA																																				
Nominal line voltage	Un	24 V																																				
Max. DC operating voltage	Uc	28 Vdc																																				
Max. frequency	f max.	> 3 MHz																																				
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 @ I _n (8/20 μs)	Up L/L	40 V																																				
Impulse current 2 x 10/350 μs 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 colspan="2">GDT+Clamping diode</td></tr> <tr><td>SPD configuration</td><td colspan="2">1-pair+shielded</td></tr> <tr><td>Connection to Network</td><td colspan="2">By screw terminal: cross section 0.5-2.5mm²</td></tr> <tr><td>Format</td><td colspan="2">Plug-in DIN box</td></tr> <tr><td>Mounting</td><td colspan="2">Symmetrical rail 35 mm (EN 60715)</td></tr> <tr><td>Housing material</td><td colspan="2">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 colspan="2">IP20</td></tr> <tr><td>Failsafe mode</td><td colspan="2">Short-circuit</td></tr> <tr><td>Disconnection indicator</td><td colspan="2">Transmission interrupt - default mode 2</td></tr> <tr><td>Spare module(s)</td><td colspan="2">DLAM-24D3</td></tr> <tr><td>Dimensions</td><td colspan="2">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-24D3		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-24D3																																					
Dimensions	See diagram																																					
Standards																																						
Standards compliance IEC 61643-21 / EN 61643-21 / UL497B																																						
Certification UL Listed																																						
Part number																																						
6403011																																						

