



CITEL

1-pair DIN rail plug-in Data surge protector

DLAS1-12D3/R



- 1-pair Pluggable SPD for dataline
- Visual indicator in failsafe behaviour
- Without line cut-off
- Line voltage 12 Vdc
- Din rail mounting, spring contact
- IEC/EN 61643-21 and UL497A compliance



	Electrical Characteristics																																					
<p>G: 3-electrode gas tube Gb: 2-electrode gas tube PTC: Thermal resistor R: Resistor D: Clamping diode Vi: Indicator</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>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 (± 10 %)</td><td></td><td>non</td></tr> <tr><td>Protection level @ In (8/20 μs)</td><td>Up L/L</td><td>30 V</td></tr> <tr><td>Impulse current 2 x 10/350 μs Test - D1 Category</td><td>limp</td><td>5 kA</td></tr> <tr><td>Line/Line Nominal discharge current C2 Category</td><td>In L/L</td><td>5 kA</td></tr> <tr><td>Nominal Discharge Current, X-C (Line/Earth) 8/20 μs Test x 10 - C2 Category</td><td>In L/PE</td><td>5 kA</td></tr> <tr><td>Line resistance (± 10%)</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	Max. load current @25°C	IL	300 mA	Max. discharge current max. withstand @ 8/20 μs by pole	Imax	20 kA	Line inductance (± 10 %)		non	Protection level @ In (8/20 μs)	Up L/L	30 V	Impulse current 2 x 10/350 μs Test - D1 Category	limp	5 kA	Line/Line Nominal discharge current C2 Category	In L/L	5 kA	Nominal Discharge Current, X-C (Line/Earth) 8/20 μs Test x 10 - C2 Category	In L/PE	5 kA	Line resistance (± 10%)		4.7 Ohm
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	Mechanical Characteristics																																					
	Technology	GDT+Clamping diode+PTC (thermal resistor) + Resistor																																				
	SPD configuration	1-pair+shielded																																				
	Connection to Network	By spring contact terminal: 0.5-4 mm 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	Opening line - transmission cut-off - fault mode 2																																				
	Disconnection indicator	Visual indicator is red																																				
	Spare module(s)	DLAS1M-12D3																																				
	Dimensions	See diagram																																				
	Standards																																					
	Standards compliance	IEC 61643-21 / EN 61643-21 / UL497A																																				
	Part number																																					
	6415024																																					

