



1-pair DIN rail plug-in Data surge protector

CITEL

DLAS1-12D3



- 1-pair Pluggable SPD for dataline
- Visual indicator in failsafe behaviour
- Without line cut-off
- Line voltage 12 Vdc
- Din rail mounting, Screw terminals
- 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>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>30 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>Line/Line Nominal discharge current C2 Category</td> <td>I_n 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>I_n 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	I _{max}	20 kA	Line inductance (± 10 %)		non	Protection level @ I _n (8/20 μs)	Up L/L	30 V	Impulse current 2 x 10/350 μs Test - D1 Category	I _{imp}	5 kA	Line/Line Nominal discharge current C2 Category	I _n L/L	5 kA	Nominal Discharge Current, X-C (Line/Earth) 8/20 μs Test x 10 - C2 Category	I _n 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 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	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																																						
	6415021																																					

