



# 1-pair DIN rail plug-in Data surge protector

# CITEL

## 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



	<b>Electrical Characteristics</b>																																					
<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>&gt; 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</td><td></td><td>No</td></tr> <tr><td>Protection level Following the test category C3 (IEC61643-21) - Line/Line</td><td>Up</td><td>30 V</td></tr> <tr><td>Impulse current 2 x 10/350µs Test - D1 Category</td><td>Iimp</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) 8/20µs Test x 10 - C2 Category</td><td>In L/PE</td><td>5 kA</td></tr> <tr><td>Line resistance</td><td></td><td>&lt; 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		No	Protection level Following the test category C3 (IEC61643-21) - Line/Line	Up	30 V	Impulse current 2 x 10/350µs Test - D1 Category	Iimp	5 kA	Line/Line Nominal discharge current C2 Category	In L/L	5 kA	Nominal Discharge Current, X-C (Line/Earth) 8/20µs Test x 10 - C2 Category	In L/PE	5 kA	Line resistance		< 4.7 Ohm
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<b>Mechanical Characteristics</b>																																						
Technology		GDT+Clamping diode+PTC (thermal resistor) + Resistor																																				
SPD configuration		1-pair+shielded																																				
Connection to Network		By spring contact terminal: 0.5-4 mm <sup>2</sup>																																				
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																																				
<b>Standards</b>																																						
Standards compliance		IEC 61643-21 / EN 61643-21 / UL497A																																				
<b>Part number</b>																																						
6415024																																						

