



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

# CITEL

## DLAS1-06D3/R



- 1-pair Pluggable SPD for dataline
- Visual indicator in failsafe behaviour
- Without line cut-off
- Line voltage 6 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>RS422</td> </tr> <tr> <td>Nominal line voltage</td> <td>Un</td> <td>6 V</td> </tr> <tr> <td>Max. DC operating voltage</td> <td>Uc</td> <td>8 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>20 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		RS422	Nominal line voltage	Un	6 V	Max. DC operating voltage	Uc	8 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	20 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-06D3																																				
	Dimensions	See diagram																																				
	<b>Standards</b>																																					
	Standards compliance	IEC 61643-21 / EN 61643-21 / UL497A																																				
	Certification	SIL																																				
	<b>Part number</b>																																					
	<b>6415014</b>																																					

