



CITEL

1-pair DIN rail plug-in Data surge protector

DLA-24D2/R



- 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#floating</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>32 Vdc</td> </tr> <tr> <td>Max. frequency</td> <td>f max.</td> <td>> 50 MHz</td> </tr> <tr> <td>Insertion loss</td> <td></td> <td>< 1 dB</td> </tr> <tr> <td>Max. load current @25°C</td> <td>IL</td> <td>600 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</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>60 V</td> </tr> <tr> <td>Protection level Following the test category C3 (IEC61643-21) - Line/PE</td> <td>Up</td> <td>650 V</td> </tr> <tr> <td>Max. capacitance</td> <td>C</td> <td>< 50 pF</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>10 kA</td> </tr> <tr> <td>Line resistance</td> <td></td> <td>< 2 Ohm</td> </tr> </table>		Network		4-20 mA#floating	Nominal line voltage	Un	24 V	Max. DC operating voltage	Uc	32 Vdc	Max. frequency	f max.	> 50 MHz	Insertion loss		< 1 dB	Max. load current @25°C	IL	600 mA	Max. discharge current max. withstand @ 8/20 μs by pole	I _{max}	20 kA	Line inductance		No	Protection level Following the test category C3 (IEC61643-21) - Line/Line	Up	60 V	Protection level Following the test category C3 (IEC61643-21) - Line/PE	Up	650 V	Max. capacitance	C	< 50 pF	Impulse current 2 x 10/350 μs Test - D1 Category	I _{imp}	5 kA	Nominal discharge current C2 Category	I _n	10 kA	Line resistance		< 2 Ohm
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	Mechanical Characteristics																																											
	Technology	GDT+Clamping diode																																										
	SPD configuration	1-pair+shielded																																										
	Connection to Network	Spring 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 and storage temperature	-40/+85°C																																										
	Protection rating	IP20																																										
	Failsafe mode	Short-circuit																																										
	Disconnection indicator	Transmission interrupt - default mode 2																																										
	Spare module(s)	DLAM-24D2																																										
	Dimensions	See diagram																																										
	Weight	0.063 kg																																										
	Standards																																											
	Standards compliance	IEC 61643-21 / EN 61643-21 / UL497A																																										
	Certification	UL Listed																																										
	Part number																																											
	6401632																																											

