



# CITEL

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

### DLA2-48DBC



- ↳ Din rail plug-in surge protector
- ↳ 2-pair
- ↳ Un: 48 V
- ↳ Shield wire protection
- ↳ Without line cut-off
- ↳ IEC 61643-21 compliance



	<b>Electrical Characteristics</b>																																					
<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 colspan="2">Fipway, WorldFIP, FieldBus-h2</td> </tr> <tr> <td>Nominal line voltage</td> <td>Un</td> <td>48 V</td> </tr> <tr> <td>Max. DC operating voltage</td> <td>Uc</td> <td>53 Vdc</td> </tr> <tr> <td>Max. frequency</td> <td>f max.</td> <td>&gt; 20 MHz</td> </tr> <tr> <td>Insertion loss</td> <td></td> <td>&lt; 1 dB</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>75 V</td> </tr> <tr> <td>Max. capacitance</td> <td>C</td> <td>&lt; 50 pF</td> </tr> <tr> <td>Impulse current 2 x 10/350 μs Test - D1 Category</td> <td>Iimp</td> <td>5 kA</td> </tr> <tr> <td>Nominal discharge current C2 Category</td> <td>In</td> <td>5 kA</td> </tr> </table>		Network	Fipway, WorldFIP, FieldBus-h2		Nominal line voltage	Un	48 V	Max. DC operating voltage	Uc	53 Vdc	Max. frequency	f max.	> 20 MHz	Insertion loss		< 1 dB	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	75 V	Max. capacitance	C	< 50 pF	Impulse current 2 x 10/350 μs Test - D1 Category	Iimp	5 kA	Nominal discharge current C2 Category	In	5 kA
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	<b>Mechanical Characteristics</b>																																					
	Technology	GDT+Clamping diode																																				
	SPD configuration	2-pairs+shielded																																				
	Connection to Network	By screw terminal: cross section 0.5-2.5mm <sup>2</sup>																																				
	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)	DLA2M-48dBC																																				
	Dimensions	See diagram																																				
	Weight	0.089 kg																																				
	<b>Standards</b>																																					
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	640314																																					

