



# CITEL

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

### DLA-24DBC



- 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



	<b>Electrical Characteristics</b>																																					
<p>G: 3-electrode gas tube Gb: 2-electrode gas tube R: Resistor D: Low Capacity Diode</p>	<table border="1"> <tr> <td>Network</td> <td></td> <td>Fipway, WorldFIP, FieldBus-h2</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>28 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. discharge current <i>max. withstand @ 8/20 μs by pole</i></td> <td>Imax</td> <td>20 kA</td> </tr> <tr> <td>Line inductance</td> <td></td> <td>No</td> </tr> <tr> <td>Protection level <i>@ In (8/20 μs)</i></td> <td>Up L/L</td> <td>50 V</td> </tr> <tr> <td>Max. capacitance</td> <td>C</td> <td>&lt; 50 pF</td> </tr> <tr> <td>Nominal discharge current <i>C2 Category</i></td> <td>In</td> <td>5 kA</td> </tr> <tr> <td>Max. Load current</td> <td>IL</td> <td>300 mA</td> </tr> <tr> <td>Line resistance</td> <td></td> <td>&lt; 4.7 Ohm</td> </tr> </table>		Network		Fipway, WorldFIP, FieldBus-h2	Nominal line voltage	Un	24 V	Max. DC operating voltage	Uc	28 Vdc	Max. frequency	f max.	> 20 MHz	Insertion loss		< 1 dB	Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	Imax	20 kA	Line inductance		No	Protection level <i>@ In (8/20 μs)</i>	Up L/L	50 V	Max. capacitance	C	< 50 pF	Nominal discharge current <i>C2 Category</i>	In	5 kA	Max. Load current	IL	300 mA	Line resistance		< 4.7 Ohm
Network		Fipway, WorldFIP, FieldBus-h2																																				
Nominal line voltage	Un	24 V																																				
Max. DC operating voltage	Uc	28 Vdc																																				
Max. frequency	f max.	> 20 MHz																																				
Insertion loss		< 1 dB																																				
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	Imax	20 kA																																				
Line inductance		No																																				
Protection level <i>@ In (8/20 μs)</i>	Up L/L	50 V																																				
Max. capacitance	C	< 50 pF																																				
Nominal discharge current <i>C2 Category</i>	In	5 kA																																				
Max. Load current	IL	300 mA																																				
Line resistance		< 4.7 Ohm																																				
	<b>Mechanical Characteristics</b>																																					
	Technology	GDT+Clamping diode																																				
	SPD configuration	1-pair+shielded																																				
	Connection to Network	By screw terminal: cross section 0.5-2.5mm <sup>2</sup>																																				
	Mounting	Symmetrical rail 35 mm (EN 60715)																																				
	Housing material	Thermoplastic UL94 V-0																																				
	Protection rating	IP20																																				
	Failsafe mode	Short-circuit																																				
	Disconnection indicator	Transmission interrupt - default mode 2																																				
	Spare module(s)	DLAM-24D3																																				
	Dimensions	See diagram																																				
	<b>Standards</b>																																					
	Standards compliance	IEC 61643-21 / EN 61643-21																																				
	<b>Part number</b>																																					
	640321																																					

