



# CITEL

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

### DLAH-24D3



- Pluggable surge protection for «DIN» mounting
- Coordination inductor
- Up to 2.4 A line current
- Remote supply version
- All types of Telephone and Data lines
- Shield wire protection
- IEC 61643-21 compliance



	<b>Electrical Characteristics</b>																																								
<p>G: 3-electrode gas tube Gb: 2-electrode gas tube L: Inductor D: Clamping diode</p>	<table border="1"> <tr><td>Network</td><td></td><td>4-20 mA, 24 V analogic</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; 3 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>2.4 A</td></tr> <tr><td>Max. discharge current max. withstand @ 8/20 μs by pole</td><td>I<sub>max</sub></td><td>20 kA</td></tr> <tr><td>Line inductance</td><td></td><td>10uH</td></tr> <tr><td>Protection level @ In (8/20 μs)</td><td>Up L/L</td><td>40 V</td></tr> <tr><td>Impulse current 2 x 10/350μs Test - D1 Category</td><td>I<sub>imp</sub></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>0 Ohm</td></tr> </table>		Network		4-20 mA, 24 V analogic	Nominal line voltage	Un	24 V	Max. DC operating voltage	Uc	28 Vdc	Max. frequency	f max.	> 3 MHz	Insertion loss		< 1 dB	Max. load current @25°C	IL	2.4 A	Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub>	20 kA	Line inductance		10uH	Protection level @ In (8/20 μs)	Up L/L	40 V	Impulse current 2 x 10/350μs Test - D1 Category	I <sub>imp</sub>	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		0 Ohm
Network		4-20 mA, 24 V analogic																																							
Nominal line voltage	Un	24 V																																							
Max. DC operating voltage	Uc	28 Vdc																																							
Max. frequency	f max.	> 3 MHz																																							
Insertion loss		< 1 dB																																							
Max. load current @25°C	IL	2.4 A																																							
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub>	20 kA																																							
Line inductance		10uH																																							
Protection level @ In (8/20 μs)	Up L/L	40 V																																							
Impulse current 2 x 10/350μs Test - D1 Category	I <sub>imp</sub>	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		0 Ohm																																							
<b>Mechanical Characteristics</b>																																									
<table border="1"> <tr><td>Technology</td><td>GDT+Clamping diode</td></tr> <tr><td>SPD configuration</td><td>1-pair+shielded</td></tr> <tr><td>Connection to Network</td><td>By screw terminal: cross section 0.4-1.5mm<sup>2</sup></td></tr> <tr><td>Format</td><td>Plug-in DIN box</td></tr> <tr><td>Mounting</td><td>Symmetrical rail 35 mm (EN 60715)</td></tr> <tr><td>Housing material</td><td>Thermoplastic UL94 V-0</td></tr> <tr><td>Operating temperature</td><td>Tu -40/+85°C</td></tr> <tr><td>Protection rating</td><td>IP20</td></tr> <tr><td>Failsafe mode</td><td>Short-circuit</td></tr> <tr><td>Disconnection indicator</td><td>Transmission interrupt - default mode 2</td></tr> <tr><td>Spare module(s)</td><td>DLAHM-24D3</td></tr> <tr><td>Dimensions</td><td>See diagram</td></tr> </table>		Technology	GDT+Clamping diode	SPD configuration	1-pair+shielded	Connection to Network	By screw terminal: cross section 0.4-1.5mm <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	Short-circuit	Disconnection indicator	Transmission interrupt - default mode 2	Spare module(s)	DLAHM-24D3	Dimensions	See diagram																
Technology	GDT+Clamping diode																																								
SPD configuration	1-pair+shielded																																								
Connection to Network	By screw terminal: cross section 0.4-1.5mm <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	Short-circuit																																								
Disconnection indicator	Transmission interrupt - default mode 2																																								
Spare module(s)	DLAHM-24D3																																								
Dimensions	See diagram																																								
<b>Standards</b>																																									
Standards compliance		IEC 61643-21 / EN 61643-21 / UL497A																																							
<b>Part number</b>																																									
641003																																									

