



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

# CITEL

## DLAH-06D3



- ▶ 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>RS422, RS485</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>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>Imax</td><td>20 kA</td></tr> <tr><td>Line inductance</td><td></td><td>10uH</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>Protection level Following the test category C3 (IEC61643-21) - Line/PE</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>0 Ohm</td></tr> </table>		Network		RS422, RS485	Nominal line voltage	Un	6 V	Max. DC operating voltage	Uc	8 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	Imax	20 kA	Line inductance		10uH	Protection level Following the test category C3 (IEC61643-21) - Line/Line	Up	20 V	Protection level Following the test category C3 (IEC61643-21) - Line/PE	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		0 Ohm
Network		RS422, RS485																																										
Nominal line voltage	Un	6 V																																										
Max. DC operating voltage	Uc	8 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	Imax	20 kA																																										
Line inductance		10uH																																										
Protection level Following the test category C3 (IEC61643-21) - Line/Line	Up	20 V																																										
Protection level Following the test category C3 (IEC61643-21) - Line/PE	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		0 Ohm																																										
	<b>Mechanical Characteristics</b>																																											
	<table border="1"> <tr><td>Technology</td><td></td><td>GDT+Clamping diode</td></tr> <tr><td>SPD configuration</td><td></td><td>1-pair+shielded</td></tr> <tr><td>Connection to Network</td><td></td><td>By screw terminal: cross section 0.4-1.5mm<sup>2</sup></td></tr> <tr><td>Format</td><td></td><td>Plug-in DIN box</td></tr> <tr><td>Mounting</td><td></td><td>Symmetrical rail 35 mm (EN 60715)</td></tr> <tr><td>Housing material</td><td></td><td>Thermoplastic UL94 V-0</td></tr> <tr><td>Operating temperature</td><td>Tu</td><td>-40/+85°C</td></tr> <tr><td>Protection rating</td><td></td><td>IP20</td></tr> <tr><td>Failsafe mode</td><td></td><td>Short-circuit</td></tr> <tr><td>Disconnection indicator</td><td></td><td>Transmission interrupt - default mode 2</td></tr> <tr><td>Spare module(s)</td><td></td><td>DLAHM-06D3</td></tr> <tr><td>Dimensions</td><td></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-06D3	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-06D3																																										
Dimensions		See diagram																																										
	<b>Standards</b>																																											
	Standards compliance IEC 61643-21 / EN 61643-21 / UL497A																																											
	<b>Part number</b>																																											
	641001																																											

