



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



	Electrical Characteristics																																											
<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>> 3 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>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 @ In (8/20 μs)</td><td>Up L/L</td><td>20 V</td></tr> <tr><td>Protection level @ In (8/20 μs)</td><td>Up L/PE</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 @ In (8/20 μs)	Up L/L	20 V	Protection level @ In (8/20 μs)	Up L/PE	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 @ In (8/20 μs)	Up L/L	20 V																																										
Protection level @ In (8/20 μs)	Up L/PE	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																																										
	Mechanical Characteristics																																											
	Technology	GDT+Clamping diode																																										
	SPD configuration	1-pair+shielded																																										
	Connection to Network	By screw terminal: cross section 0.4-1.5mm ²																																										
	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																																										
	Fail-safe mode	Short-circuit																																										
	Disconnection indicator	Transmission interrupt - default mode 2																																										
	Spare module(s)	DLAHM-06D3																																										
	Dimensions	See diagram																																										
	Standards																																											
	Standards compliance	IEC 61643-21 / EN 61643-21 / UL497A																																										
	Part number																																											
	641001																																											

