



1-pair DIN rail plug-in Data surge protector

CITEL

DLAW-12D3



- Din rail plug-in surge protector
- 1-pair
- Un: 12 V
- Shield wire protection
- Plug-out with line cut-off
- IEC 61643-21 compliance
- UL497A



	Electrical Characteristics																																											
<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></td><td>RS232, RS485</td></tr> <tr><td>Nominal line voltage</td><td>Un</td><td>12 V</td></tr> <tr><td>Max. DC operating voltage</td><td>Uc</td><td>15 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>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 @ In (8/20 μs)</td><td>Up L/L</td><td>30 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 10/350 μs 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) 8/20 μs Test x 10 - C2 Category</td><td>In L/PE</td><td>5 kA</td></tr> <tr><td>Line resistance</td><td></td><td>< 4.7 Ohm</td></tr> </table>		Network		RS232, RS485	Nominal line voltage	Un	12 V	Max. DC operating voltage	Uc	15 Vdc	Max. frequency	f max.	> 3 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 @ In (8/20 μs)	Up L/L	30 V	Protection level @ In (8/20 μs)	Up L/PE	20 V	Impulse current 2 x 10/350 μs 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) 8/20 μs Test x 10 - C2 Category	In L/PE	5 kA	Line resistance		< 4.7 Ohm
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	Mechanical Characteristics																																											
	Disconnection	Specific version with line cut-off in case of removal plug-in module																																										
	Technology	GDT+Clamping diode																																										
	SPD configuration	1-pair+shielded																																										
	Connection to Network	By screw terminal: cross section 0.5-2.5mm 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																																										
	Failsafe mode	Short-circuit																																										
	With line cut-off in case of removal plug-in module	Yes																																										
	Disconnection indicator	Transmission interrupt - default mode 2																																										
	Spare module(s)	DLAM-12D3																																										
	Dimensions	See diagram																																										
	Standards																																											
	Standards compliance	IEC 61643-21 / EN 61643-21 / UL497A																																										
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	640802																																											

