



# CITEL

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

### DLAW-48D3



- Din rail plug-in surge protector
- 1-pair
- Un: 48 V
- Shield wire protection
- Plug-out with line cut-off
- EN 61643-21 compliance
- UL497A



	<b>Electrical Characteristics</b>																																											
<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>RNIS-T0, 48 V line</td></tr> <tr><td>Nominal line voltage</td><td>Un</td><td>48 V</td></tr> <tr><td>Max. DC operating voltage</td><td>Uc</td><td>53 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>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>70 V</td></tr> <tr><td>Impulse current 2 x 10/350 μs Test - D1 Category</td><td>limp</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>&lt; 4.7 Ohm</td></tr> </table>		Network		RNIS-T0, 48 V line	Nominal line voltage	Un	48 V	Max. DC operating voltage	Uc	53 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	70 V	Impulse current 2 x 10/350 μs Test - D1 Category	limp	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			
Network		RNIS-T0, 48 V line																																										
Nominal line voltage	Un	48 V																																										
Max. DC operating voltage	Uc	53 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	70 V																																										
Impulse current 2 x 10/350 μs Test - D1 Category	limp	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																																										
	<b>Mechanical Characteristics</b>																																											
	<table border="1"> <tr><td>Disconnection</td><td></td><td>Specific version with line cut-off in case of removal plug-in module</td></tr> <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 0.5-2.5mm<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>With line cut-off in case of removal plug-in module</td><td></td><td>Yes</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>DLAM-48D3</td></tr> <tr><td>Dimensions</td><td></td><td>See diagram</td></tr> </table>		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 <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	With line cut-off in case of removal plug-in module		Yes	Disconnection indicator		Transmission interrupt - default mode 2	Spare module(s)		DLAM-48D3	Dimensions		See diagram
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 <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																																										
With line cut-off in case of removal plug-in module		Yes																																										
Disconnection indicator		Transmission interrupt - default mode 2																																										
Spare module(s)		DLAM-48D3																																										
Dimensions		See diagram																																										
	<b>Standards</b>																																											
	Standards compliance IEC 61643-21 / EN 61643-21 / UL497A																																											
	<b>Part number</b>																																											
	640804																																											

