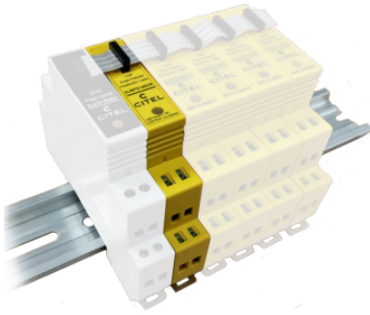




DLAWTS1-06D3/R



- Surge protection for 1-pair
- Pluggable protection module
- Optical fault indication
- Remote signalling (DLAWTS1-48DC required for power supply)
- Indirect shield connection
- Indirect earthing
- Signal interruption when module is disconnected
- Conforms to IEC 61643-21, VDE 0845-3-1 and UL497A



	Electrical Characteristics																																																											
<p>G: 3-electrode gas tube Gb: 2-electrode gas tube PTC: Thermal resistor R: Resistor D: Clamping diode Vi: Indicator</p>	<table border="1"> <tr><td>Network</td><td></td><td>RS422</td></tr> <tr><td>Nominal line voltage</td><td>Un</td><td>6 V</td></tr> <tr><td>Max. AC operating voltage</td><td>Uc</td><td>6 Vac</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>300 mA</td></tr> <tr><td>Max. discharge current max. withstand @ 8/20 μs by pole</td><td>I_{max}</td><td>20 kA</td></tr> <tr><td>Line inductance (± 10 %)</td><td></td><td>non</td></tr> <tr><td>Protection mode(s)</td><td></td><td>Common/Differential mode</td></tr> <tr><td>Protection level @ In (8/20 μs)</td><td>Up L/L</td><td>20 V</td></tr> <tr><td>Max. capacitance</td><td>C</td><td>< 50 pF</td></tr> <tr><td>Impulse current 2 x 10/350 μs Test - D1 Category</td><td>I_{imp}</td><td>5 kA</td></tr> <tr><td>Nominal discharge current C2 Category</td><td>I_n</td><td>5 kA</td></tr> <tr><td>Line/Line Nominal discharge current C2 Category</td><td>I_n 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>I_n L/PE</td><td>5 kA</td></tr> <tr><td>Line resistance (± 10%)</td><td></td><td>4.7 Ohm</td></tr> </table>		Network		RS422	Nominal line voltage	Un	6 V	Max. AC operating voltage	Uc	6 Vac	Max. DC operating voltage	Uc	8 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	I _{max}	20 kA	Line inductance (± 10 %)		non	Protection mode(s)		Common/Differential mode	Protection level @ In (8/20 μs)	Up L/L	20 V	Max. capacitance	C	< 50 pF	Impulse current 2 x 10/350 μs Test - D1 Category	I _{imp}	5 kA	Nominal discharge current C2 Category	I _n	5 kA	Line/Line Nominal discharge current C2 Category	I _n L/L	5 kA	Nominal Discharge Current, X-C (Line/Earth) 8/20 μs Test x 10 - C2 Category	I _n L/PE	5 kA	Line resistance (± 10%)		4.7 Ohm							
Network		RS422																																																										
Nominal line voltage	Un	6 V																																																										
Max. AC operating voltage	Uc	6 Vac																																																										
Max. DC operating voltage	Uc	8 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	I _{max}	20 kA																																																										
Line inductance (± 10 %)		non																																																										
Protection mode(s)		Common/Differential mode																																																										
Protection level @ In (8/20 μs)	Up L/L	20 V																																																										
Max. capacitance	C	< 50 pF																																																										
Impulse current 2 x 10/350 μs Test - D1 Category	I _{imp}	5 kA																																																										
Nominal discharge current C2 Category	I _n	5 kA																																																										
Line/Line Nominal discharge current C2 Category	I _n L/L	5 kA																																																										
Nominal Discharge Current, X-C (Line/Earth) 8/20 μs Test x 10 - C2 Category	I _n L/PE	5 kA																																																										
Line resistance (± 10%)		4.7 Ohm																																																										
<p>Connection ribbons available:</p> <table border="1"> <thead> <tr> <th>Nb of pole</th> <th>Ref. Ribbon</th> </tr> </thead> <tbody> <tr> <td>2 - 5</td> <td>R-BUS 5P (301134)</td> </tr> <tr> <td>6 - 10</td> <td>R-BUS 10P (301133)</td> </tr> <tr> <td>11 - 25</td> <td>R-BUS 25P (301135)</td> </tr> <tr> <td>26 - 49</td> <td>R-BUS 49P (301143)</td> </tr> </tbody> </table>	Nb of pole	Ref. Ribbon	2 - 5	R-BUS 5P (301134)	6 - 10	R-BUS 10P (301133)	11 - 25	R-BUS 25P (301135)	26 - 49	R-BUS 49P (301143)	<table border="1"> <tr> <td colspan="3">Mechanical Characteristics</td> </tr> <tr><td>Technology</td><td></td><td>GDT+Clamping diode+PTC (thermal resistor) + Resistor</td></tr> <tr><td>SPD configuration</td><td></td><td>1-pair+shielded</td></tr> <tr><td>Connection to Network</td><td></td><td>Spring terminal: cross section 0.5-2.5mm²</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>Specific version with line cut-off in case of removal plug-in module</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>Red light on</td></tr> <tr><td>Spare module(s)</td><td></td><td>DLAWTS1M-06D3</td></tr> <tr><td>Remote signaling of disconnection</td><td></td><td>Trough control module</td></tr> <tr><td>Dimensions</td><td></td><td>See diagram</td></tr> <tr><td>Weight</td><td></td><td>0.063 kg</td></tr> </table>		Mechanical Characteristics			Technology		GDT+Clamping diode+PTC (thermal resistor) + Resistor	SPD configuration		1-pair+shielded	Connection to Network		Spring 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		Specific version with line cut-off in case of removal plug-in module	With line cut-off in case of removal plug-in module		Yes	Disconnection indicator		Red light on	Spare module(s)		DLAWTS1M-06D3	Remote signaling of disconnection		Trough control module	Dimensions		See diagram	Weight		0.063 kg
Nb of pole	Ref. Ribbon																																																											
2 - 5	R-BUS 5P (301134)																																																											
6 - 10	R-BUS 10P (301133)																																																											
11 - 25	R-BUS 25P (301135)																																																											
26 - 49	R-BUS 49P (301143)																																																											
Mechanical Characteristics																																																												
Technology		GDT+Clamping diode+PTC (thermal resistor) + Resistor																																																										
SPD configuration		1-pair+shielded																																																										
Connection to Network		Spring 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		Specific version with line cut-off in case of removal plug-in module																																																										
With line cut-off in case of removal plug-in module		Yes																																																										
Disconnection indicator		Red light on																																																										
Spare module(s)		DLAWTS1M-06D3																																																										
Remote signaling of disconnection		Trough control module																																																										
Dimensions		See diagram																																																										
Weight		0.063 kg																																																										
Standards																																																												
Standards compliance	IEC 61643-21 / EN 61643-21 / UL497A																																																											
Part number																																																												
6421014																																																												

