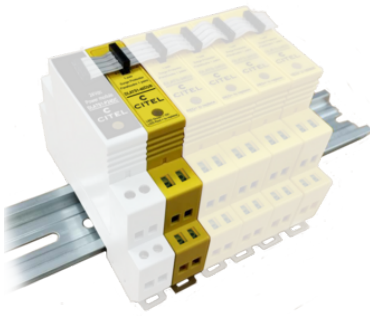




# CITEL

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

### DLATS1-48D3/R



- 1-pair data line/telecom surge protection
- Local and Remote signaling of SPD status
- DIN rail mounting, Screw connect status
- Plug-in module
- 1 monitoring module + SPD modules (up to 48) + bus
- Discharge current  $I_{max}/I_n$ : 20 kA / 5kA
- Complies with IEC/EN 61643-21 and UL497A



	<b>Electrical Characteristics</b>																																																																							
<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>RNIS-T0, 48 V line</td> </tr> <tr> <td>Nominal line voltage</td> <td><math>U_n</math></td> <td>48 V</td> </tr> <tr> <td>Max. DC operating voltage</td> <td><math>U_c</math></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><math>I_L</math></td> <td>300 mA</td> </tr> <tr> <td>Max. discharge current max. withstand @ 8/20 <math>\mu</math>s by pole</td> <td><math>I_{max}</math></td> <td>20 kA</td> </tr> <tr> <td>Line inductance</td> <td></td> <td>No</td> </tr> <tr> <td>Protection mode(s)</td> <td></td> <td>Common/Differential mode</td> </tr> <tr> <td>Protection level</td> <td></td> <td>Up 70 V</td> </tr> <tr> <td colspan="3">Following the test category C3 (IEC61643-21) - Line/Line</td> </tr> <tr> <td>Impulse current 2 x 10/350 <math>\mu</math>s Test - D1 Category</td> <td><math>I_{imp}</math></td> <td>5 kA</td> </tr> <tr> <td>Nominal discharge current C2 Category</td> <td><math>I_n</math></td> <td>5 kA</td> </tr> <tr> <td>Line/Line Nominal discharge current C2 Category</td> <td><math>I_n</math> L/L</td> <td>5 kA</td> </tr> <tr> <td>Nominal Discharge Current, X-C (Line/Earth) 8/20 <math>\mu</math>s Test x 10 - C2 Category</td> <td><math>I_n</math> L/PE</td> <td>5 kA</td> </tr> </table>		Network		RNIS-T0, 48 V line	Nominal line voltage	$U_n$	48 V	Max. DC operating voltage	$U_c$	53 Vdc	Max. frequency	f max.	> 3 MHz	Insertion loss		< 1 dB	Max. load current @25°C	$I_L$	300 mA	Max. discharge current max. withstand @ 8/20 $\mu$ s by pole	$I_{max}$	20 kA	Line inductance		No	Protection mode(s)		Common/Differential mode	Protection level		Up 70 V	Following the test category C3 (IEC61643-21) - Line/Line			Impulse current 2 x 10/350 $\mu$ s 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 $\mu$ s Test x 10 - C2 Category	$I_n$ L/PE	5 kA																									
Network		RNIS-T0, 48 V line																																																																						
Nominal line voltage	$U_n$	48 V																																																																						
Max. DC operating voltage	$U_c$	53 Vdc																																																																						
Max. frequency	f max.	> 3 MHz																																																																						
Insertion loss		< 1 dB																																																																						
Max. load current @25°C	$I_L$	300 mA																																																																						
Max. discharge current max. withstand @ 8/20 $\mu$ s by pole	$I_{max}$	20 kA																																																																						
Line inductance		No																																																																						
Protection mode(s)		Common/Differential mode																																																																						
Protection level		Up 70 V																																																																						
Following the test category C3 (IEC61643-21) - Line/Line																																																																								
Impulse current 2 x 10/350 $\mu$ s 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 $\mu$ s Test x 10 - C2 Category	$I_n$ L/PE	5 kA																																																																						
<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"><b>Mechanical Characteristics</b></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 0.5-2.5mm<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><math>T_u</math></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>Transmission cut-off - fault mode 2 (short circuit)</td> </tr> <tr> <td>Disconnection indicator</td> <td></td> <td>Red light on</td> </tr> <tr> <td>Spare module(s)</td> <td></td> <td>DLATS1M-48D3</td> </tr> <tr> <td>Remote signaling of disconnection</td> <td></td> <td>Trough control module</td> </tr> <tr> <td>Remote signaling of disconnection via control module</td> <td></td> <td>Yes</td> </tr> <tr> <td>Dimensions</td> <td></td> <td>See diagram</td> </tr> <tr> <td>Weight</td> <td></td> <td>0.066 kg</td> </tr> <tr> <td colspan="3"><b>Standards</b></td> </tr> <tr> <td>Standards compliance</td> <td></td> <td>IEC 61643-21 / EN 61643-21 / UL497A</td> </tr> <tr> <td colspan="3"><b>Part number</b></td> </tr> <tr> <td colspan="3">6417044</td> </tr> </table>		<b>Mechanical Characteristics</b>			Technology		GDT+Clamping diode+PTC (thermal resistor) + Resistor	SPD configuration		1-pair+shielded	Connection to Network		Spring 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	$T_u$	-40/+85°C	Protection rating		IP20	Failsafe mode		Transmission cut-off - fault mode 2 (short circuit)	Disconnection indicator		Red light on	Spare module(s)		DLATS1M-48D3	Remote signaling of disconnection		Trough control module	Remote signaling of disconnection via control module		Yes	Dimensions		See diagram	Weight		0.066 kg	<b>Standards</b>			Standards compliance		IEC 61643-21 / EN 61643-21 / UL497A	<b>Part number</b>			6417044		
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)																																																																							
<b>Mechanical Characteristics</b>																																																																								
Technology		GDT+Clamping diode+PTC (thermal resistor) + Resistor																																																																						
SPD configuration		1-pair+shielded																																																																						
Connection to Network		Spring 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	$T_u$	-40/+85°C																																																																						
Protection rating		IP20																																																																						
Failsafe mode		Transmission cut-off - fault mode 2 (short circuit)																																																																						
Disconnection indicator		Red light on																																																																						
Spare module(s)		DLATS1M-48D3																																																																						
Remote signaling of disconnection		Trough control module																																																																						
Remote signaling of disconnection via control module		Yes																																																																						
Dimensions		See diagram																																																																						
Weight		0.066 kg																																																																						
<b>Standards</b>																																																																								
Standards compliance		IEC 61643-21 / EN 61643-21 / UL497A																																																																						
<b>Part number</b>																																																																								
6417044																																																																								

