



1-pair DIN rail plug-in Data surge protector

CITEL

DLAWS1-24D3/R



- ↳ 1-pair Surge protection
- ↳ Pluggable protection module
- ↳ Optical fault indication
- ↳ Indirect shield connection
- ↳ Visual indicator in failsafe behaviour
- ↳ Indirect earthing
- ↳ Current circuit disconnection when module is unplugged
- ↳ Conforms to IEC 61643-21, VDE 0845-3-1 and UL497B



	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>RNIS-T0, 48 V line</td></tr> <tr><td>Max. DC operating voltage</td><td>Uc</td><td>28 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. discharge current <i>max. withstand @ 8/20 μs by pole</i></td><td>I_{max}</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 mode</td></tr> <tr><td>Protection level <i>Following the test category C3 (IEC61643-21) - Line/Line</i></td><td>U_p</td><td>40 V</td></tr> <tr><td>Impulse current <i>2 x 10/350μs Test - D1 Category</i></td><td>I_{imp}</td><td>5 kA</td></tr> <tr><td>Nominal discharge current <i>C2 Category</i></td><td>I_n</td><td>5 kA</td></tr> <tr><td>Line/Line Nominal discharge current <i>C2 Category</i></td><td>I_n L/L</td><td>5 kA</td></tr> <tr><td>Nominal Discharge Current, X-C (Line/Earth) <i>8/20μs Test x 10 - C2 Category</i></td><td>I_n L/PE</td><td>5 kA</td></tr> <tr><td>Line resistance</td><td></td><td>< 4.7 Ohm</td></tr> </table>		Network		RNIS-T0, 48 V line	Max. DC operating voltage	Uc	28 Vdc	Max. frequency	f max.	> 3 MHz	Insertion loss		< 1 dB	Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	20 kA	Line inductance		No	Protection mode(s)		Common mode	Protection level <i>Following the test category C3 (IEC61643-21) - Line/Line</i>	U _p	40 V	Impulse current <i>2 x 10/350μs Test - D1 Category</i>	I _{imp}	5 kA	Nominal discharge current <i>C2 Category</i>	I _n	5 kA	Line/Line Nominal discharge current <i>C2 Category</i>	I _n L/L	5 kA	Nominal Discharge Current, X-C (Line/Earth) <i>8/20μs Test x 10 - C2 Category</i>	I _n L/PE	5 kA	Line resistance		< 4.7 Ohm
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Nominal line voltage		U _n 24 V																																							
Mechanical Characteristics																																									
Disconnection	Specific version with line cut-off in case of removal plug-in module																																								
Technology	GDT+Clamping diode+PTC (thermal resistor) + Resistor																																								
SPD configuration	1-pair+shielded																																								
Connection to Network	By spring contact terminal																																								
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	Opening line - transmission cut-off - fault mode 2																																								
With line cut-off in case of removal plug-in module	Yes																																								
Disconnection indicator	Red light on																																								
Spare module(s)	DLAWS1M-24D3																																								
Dimensions	See diagram																																								
Standards																																									
Standards compliance	IEC 61643-21 / EN 61643-21 / UL497A																																								
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6419034																																									

