



- Hybrid SAD-GDT Technology
- UL497B LISTED
- 20kA I<sub>max</sub> (1x-8/20us)
- 5kA I<sub>mp</sub> (2x-10/350us)
- 5kA I<sub>n</sub> (10x-8/20us)
- Modular
- 2W+SHIELD+G



	<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>Max. DC operating voltage</td><td>U<sub>c</sub></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>I<sub>L</sub></td><td>300 mA</td></tr> <tr><td>Impulse current 2 x 10/350µs Test - D1 Category</td><td>I<sub>imp</sub></td><td>5 kA</td></tr> <tr><td>Nominal discharge current C2 Category</td><td>I<sub>n</sub></td><td>5 kA</td></tr> <tr><td>Line resistance (± 10%)</td><td></td><td>4.7 Ohm</td></tr> <tr><td>DATA SPD TYPE</td><td></td><td>UL497B LISTED</td></tr> <tr><td>VOLTS</td><td>(V)</td><td>48</td></tr> <tr><td>WIRES</td><td></td><td>2W+Shield+G</td></tr> <tr><td>LINE CURRENT MAX</td><td>(A)</td><td>0.3</td></tr> <tr><td>AMBIENT MIN</td><td>(C)</td><td>-40</td></tr> <tr><td>AMBIENT MAX</td><td>(C)</td><td>+85</td></tr> <tr><td>RESIDUAL VOLTAGE</td><td>(V)</td><td>70</td></tr> <tr><td>MCOV</td><td>(V)</td><td>60</td></tr> <tr><td>IN 10 impulses 8/20µs</td><td>(kA)</td><td>5</td></tr> <tr><td>IMAX 8/20µs</td><td>(kA)</td><td>20</td></tr> <tr><td>I<sub>imp</sub> 10/350µs</td><td>(kA)</td><td>5</td></tr> <tr><td>DATA SPEED</td><td>(Mbps)</td><td>10/100</td></tr> <tr><td>FREQUENCY</td><td>(MHz)</td><td>up to 10</td></tr> <tr><td>INSERTION LOSS (@ FREQ)</td><td>(db)</td><td>&lt; 1</td></tr> <tr><td>CAPACITANCE</td><td>(pF)</td><td>&lt; 50</td></tr> </table>		Network		RNIS-T0, 48 V line	Max. DC operating voltage	U <sub>c</sub>	53 Vdc	Max. frequency	f max.	> 3 MHz	Insertion loss		< 1 dB	Max. load current @25°C	I <sub>L</sub>	300 mA	Impulse current 2 x 10/350µs Test - D1 Category	I <sub>imp</sub>	5 kA	Nominal discharge current C2 Category	I <sub>n</sub>	5 kA	Line resistance (± 10%)		4.7 Ohm	DATA SPD TYPE		UL497B LISTED	VOLTS	(V)	48	WIRES		2W+Shield+G	LINE CURRENT MAX	(A)	0.3	AMBIENT MIN	(C)	-40	AMBIENT MAX	(C)	+85	RESIDUAL VOLTAGE	(V)	70	MCOV	(V)	60	IN 10 impulses 8/20µs	(kA)	5	IMAX 8/20µs	(kA)	20	I <sub>imp</sub> 10/350µs	(kA)	5	DATA SPEED	(Mbps)	10/100	FREQUENCY	(MHz)	up to 10	INSERTION LOSS (@ FREQ)	(db)	< 1	CAPACITANCE	(pF)	< 50
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<b>Mechanical Characteristics</b>																																																																							
Technology		GDT+Clamping diode																																																																					
Connection to Network		By screw terminal: cross section 0.5-2.5mm <sup>2</sup>																																																																					
Format		Plug-in DIN box																																																																					
Failsafe mode		Short-circuit																																																																					
TECHNOLOGY		SAD-GDT																																																																					
NETWORK CONFIGURATION		1 Channel (2W+SHIELD+G)																																																																					
CONNECTION METHOD		Screw terminal																																																																					
MOUNTING		Din rail																																																																					
MATERIAL		Thermoplastic UL94-V0																																																																					
NEMA RATING (IP RATING)		NEMA 2 (IP20)																																																																					
DIMENSIONS		See diagram																																																																					
WEIGHT		0.30 lbs																																																																					
SPARE PART		DLAM-48D3																																																																					
<b>Standards</b>																																																																							
Certification		UL Listed																																																																					
UL STANDARD		UL497B																																																																					
UL CATEGORY		QVGQ																																																																					
UL FILE NUMBER		E184939																																																																					
STANDARDS		IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993																																																																					
ENVIRONMENTAL STANDARDS		ROHS																																																																					
<b>Part number</b>																																																																							
6403021																																																																							



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