



# UL497B LISTED - I<sub>max</sub> 20kA - I<sub>n</sub> 5kA - Modular

# CITEL

## DLA2-48D3



- Hybrid SAD-GDT Technology
- UL497B LISTED
- 20kA I<sub>max</sub> (1x 8/20us)
- 5kA I<sub>mp</sub> (2x 10/350us)
- 10kA I<sub>n</sub> (10x 8/20us)
- Modular
- 4W+SHIELD+G



### Electrical Characteristics

Network		RNIS-T0, 48 V line
Max. DC operating voltage	U <sub>c</sub>	53 Vdc
Max. frequency	f max.	> 3 MHz
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		4W+SHIELD+GROUND
LINE CURRENT MAX	(A)	0.3
AMBIENT MIN	(C)	-50
AMBIENT MAX	(C)	+85
RESIDUAL VOLTAGE	(V)	70
MCOV	(V)	60/72/72
I <sub>MAX</sub> 8/20µs	(kA)	20
I <sub>imp</sub> 10/350µs	(kA)	5
DATA SPEED	(Mbps)	up to 10MHz
FREQUENCY	(MHz)	up to 10
INSERTION LOSS (@ FREQ)	(db)	< 1
CAPACITANCE	(pF)	< 50

### Mechanical Characteristics

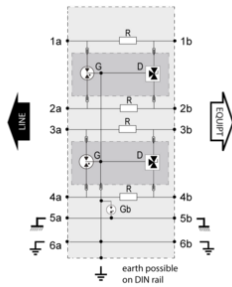
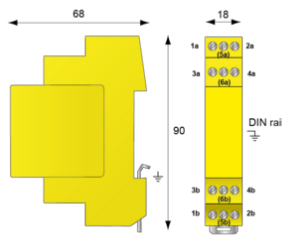
Technology		GDT+Clamping diode
Connection to Network		By screw terminal: cross section 0.5-2.5mm <sup>2</sup>
Format		Plug-in DIN box
Operating and storage temperature		-40/+85°C
Failsafe mode		Short-circuit
Weight		0.089 kg
TECHNOLOGY		SAD-GDT
NETWORK CONFIGURATION		2 Channel (4W+SHIELD+G)
CONNECTION 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		DLA2M-48D3

### Standards

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

### Part number

**640312**



G: 3-electrode gas tube  
 Gb: 2-electrode gas tube  
 R: Resistor  
 D: Clamping diode

