



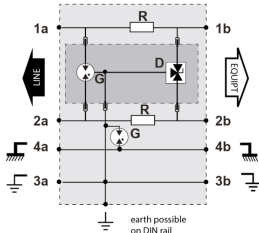
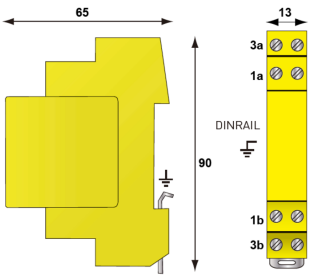
CITEL

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

DLA-48D3



- ✔ 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



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

**Electrical Characteristics**

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	IL	300 mA
Protection Level C3 (10/1000µs), 300 applications@10 A, X-X (Line/Line)	U <sub>p</sub>	70 V
Protection level C3 (10/1000µs), 300 applications@10 A, X-C (Line/Earth)	U <sub>p</sub>	70 V
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
I <sub>N</sub> 10 impulses 8/20µs	(kA)	5
I <sub>MAX</sub> 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

**Mechanical Characteristics**

Technology		GDT+TVS 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

**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**

6403021

