



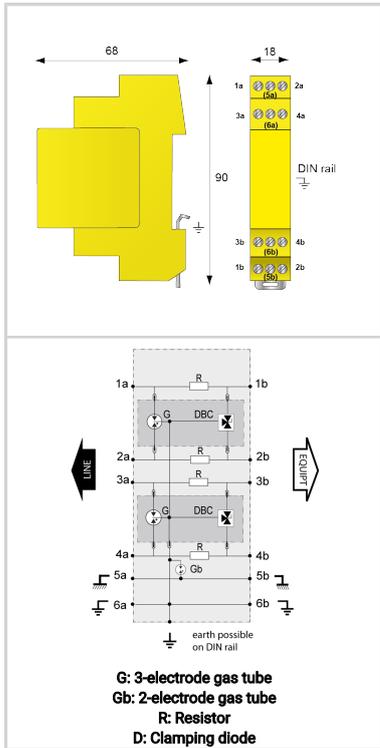
CITEL

- UL497B LISTED - I_{max} 20kA - I_n 5kA - Modular - Data Speed 10/100 /1000

DLA2-48DBC



- Hybrid SAD-GDT Technology
- UL497B LISTED
- 20kA I_{max}
- 5kA I_{imp}
- 5kA I_n
- Modular
- 4W+SHIELD+G



Electrical Characteristics

Network		Fipway, WorldFIP, FieldBus-h2
Nominal line voltage	Un	48 V
Max. DC operating voltage	Uc	53 Vdc
Max. frequency	f max.	20 MHz
Insertion loss		< 1 dB
Max. load current @25°C	IL	300 mA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	20 kA
Nominal discharge current <i>C2 Category</i>	I _n	5 kA
Protection Level <i>C3 (10/1000μs), 300 applications@10 A, Y-Y (Line/Line)</i>	Up	75 V
Protection Level <i>C3 (10/1000μs), 300 applications@10 A, X-C (Line/Earth)</i>	Up	650 V
Max. capacitance	C	< 50 pF
Impulse current <i>2 x 10/350μs Test - D1 Category</i>	I _{imp}	5 kA
Impulse current <i>D1 (10/350μs), 2 applications, X-C (Line/Earth)</i>	I _{imp}	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
IMAX <i>8/20μs</i>	(kA)	20
DATA SPEED	(Mbps)	10/100/1000
FREQUENCY	(MHz)	up to 10

Mechanical Characteristics

Technology		GDT+TVS diode
Connection to Network		By screw terminal: cross section 0.5-2.5mm ²
Format		Plug-in DIN box
Operating and storage temperature		-40/+85°C
Protection rating		IP20
Failsafe mode		Short-circuit
TECHNOLOGY		SAD-GDT
NETWORK CONFIGURATION		2 Channels (4W+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-48DBC



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Standards	
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	
640314	

