



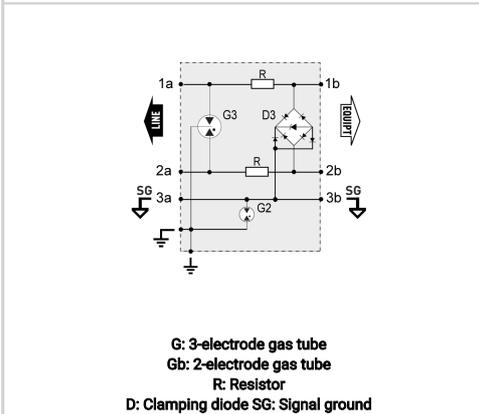
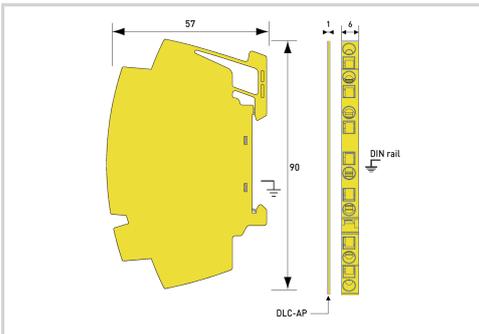
CITEL

UL497B LISTED - I_{max} 20kA - I_n 5kA - Modular

DLC-24D3G-EX/C



- ▶ Hybrid SAD-GDT Technology
- ▶ Compact 6mm module
- ▶ UL497B LISTED
- ▶ 10kA I_{max} (1x 8/20us)
- ▶ 2.5kA I_{mp} (2x 10/350us)
- ▶ 5kA I_n (10x 8/20us)
- ▶ 2W+SHIELD+G
- ▶ Common/Differential mode protection



Electrical Characteristics

Network		4-20mA-PT100
Nominal line voltage	Un	24 V
Max. DC operating voltage	Uc	32 Vdc
Max. frequency	f max.	50 MHz
Insertion loss		< 1 dB
Max. load current @25°C	IL	750 mA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	20 kA
Nominal Discharge Current, X-C (Line/Earth) <i>8/20μs Test x 10 - C2 Category</i>	I _n L/PE	10 kA
Protection Level <i>C3 (10/1000μs), 300 applications@10 A, Y-Y (Line/Line)</i>	Up	60 V
Protection Level <i>C3 (10/1000μs), 300 applications@10 A, X-C (Line/Earth)</i>	Up	650 V
Impulse current <i>2 x 10/350μs Test - D1 Category</i>	I _{imp}	2.0 kA
Line resistance (± 10%)		1.2 Ohm
DATA SPD TYPE		UL497B LISTED
VOLTS	(V)	6
WIRES		2W+Shield+G
LINE CURRENT MAX	(A)	0.3
AMBIENT MIN	(C)	-50
AMBIENT MAX	(C)	+85
RESIDUAL VOLTAGE	(V)	20
MCOV	(V)	8/72/72
I _N <i>10 impulses 8/20μs</i>	(kA)	5
I _{MAX} <i>8/20μs</i>	(kA)	10
I _{imp} <i>10/350μs</i>	(kA)	2.5
DATA SPEED	(Mbps)	up to 10MHz
FREQUENCY	(MHz)	up to 10
INSERTION LOSS (@ FREQ)	(db)	< 1

Mechanical Characteristics

Technology		GDT+TVS diode
Connection to Network		By spring terminal - max. cross section 2.5mm ² / AWG 13 (solid or stranded)
Format		DIN box
Operating temperature	Tu	-40/+85°C
Ingress Protection rating		IP20 (NEMA 2)
Failsafe mode		Short-circuit
TECHNOLOGY		SAD-GDT
NETWORK CONFIGURATION		1 pair
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

Standards

Certification		CCC
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



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UL497B LISTED - I_{max} 20kA - In 5kA - Modular

DLC-24D3G-EX/C

Part number

641193119

