



# CITEL

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

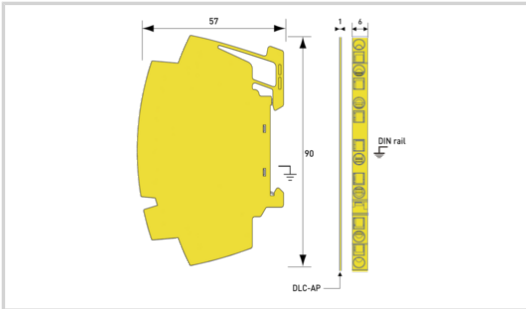
### DLC-24D3



- ↳ Hybrid SAD-GDT Technology
- ↳ Compact 6mm module
- ↳ UL497B LISTED
- ↳ 10kA I<sub>max</sub> (1x 8/20us)
- ↳ 2.5kA I<sub>imp</sub> (2x 10/350us)
- ↳ 5kA I<sub>n</sub> (10x 8/20us)
- ↳ 2W+SHIELD+G
- ↳ Common/Differential mode protection



SIL3  
IEC61508



Electrical Characteristics		
Network		LS, 4-20 mA
Max. DC operating voltage	U <sub>c</sub>	28 Vdc
Max. frequency	f max.	> 3 MHz
Insertion loss		< 1 dB
Max. load current @25°C	IL	300 mA
Protection Level <i>C3 (10/1000µs), 300 applications@10 A, X-X (Line/Line)</i>	U <sub>p</sub>	40 V
Protection level <i>C3 (10/1000µs), 300 applications@10 A, X-C (Line/Earth)</i>	U <sub>p</sub>	40 V
Impulse current <i>2 x 10/350µs Test - D1 Category</i>	I <sub>imp</sub>	2.5 kA
Nominal Discharge Current, X-C (Line/Earth) <i>8/20µs Test x 10 - C2 Category</i>	I <sub>n</sub> L/PE	5 kA
Line resistance (± 10%)		4.7 Ohm
DATA SPD TYPE		UL497B LISTED
VOLTS	(V)	24
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 <sub>N</sub> <i>10 impulses 8/20µs</i>	(kA)	5
I <sub>MAX</sub> <i>8/20µs</i>	(kA)	10
I <sub>imp</sub> <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 <sup>2</sup> / AWG 13 (solid or stranded)
Format		DIN box
Failsafe mode		Short-circuit
Weight		0.029 kg
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		UL listed / SIL
UL STANDARD		UL497B
UL CATEGORY		QVGG
UL FILE NUMBER		E184939
STANDARDS		IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993
ENVIRONMENTAL STANDARDS		ROHS
Part number		
641103		

