



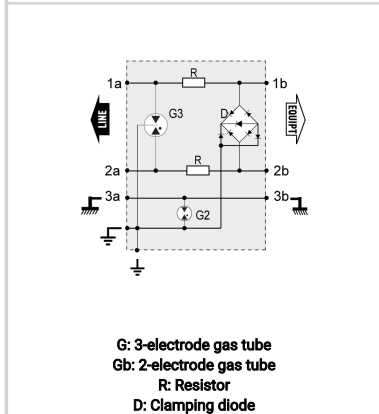
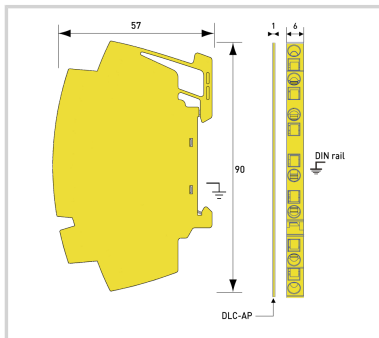
# CITEL

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

### DLC-06D3



- Hybrid 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



Electrical Characteristics		
Network		RS422, RS485
Nominal line voltage	U <sub>n</sub>	6 V
Max. DC operating voltage	U <sub>c</sub>	8 Vdc
Cut-off frequency -3dB, 100 ohm system	f max.	> 100 MHz
Cut-off frequency -1dB, 100 ohm system	f max.	> 45 MHz
Insertion loss		< 1 dB
Max. load current @25°C	I <sub>L</sub>	300 mA
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub>	10 kA
Nominal Discharge Current, X-C (Line/Earth) 8/20μs Test x 10 - C2 Category	I <sub>n</sub> L/PE	5 kA
Protection Level C3 (10/1000μs), 300 applications@10 A, Y-Y (Line/Line)	U <sub>p</sub>	25 V
Protection Level C3 (10/1000μs), 300 applications@10 A, Y-C (Line/Earth)	U <sub>p</sub>	25 V
Impulse current 2 x 10/350μs Test - D1 Category	I <sub>imp</sub>	2.5 kA
Line resistance (± 10%)		4.7 Ohm
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
Mounting		Symmetrical rail 35 mm (EN 60715)
Operating temperature	T <sub>u</sub>	-40/+85°C
Ingress Protection rating		IP20 (NEMA 2)
Failsafe mode		Short-circuit
NETWORK CONFIGURATION		1 pair
MATERIAL		Thermoplastic UL94-V0
DIMENSIONS		See diagram
Standards		
Certification		UL Listed
Environmental standards		EU RoHS
UL STANDARD		UL497B
UL CATEGORY		QVGQ
UL FILE NUMBER		E184939
STANDARDS		IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993
Part number		
<b>641101</b>		

