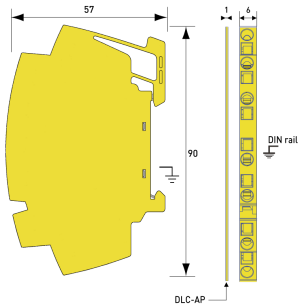
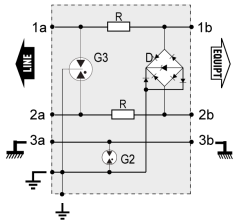
UL497B LISTED - Imax 20kA - In 5kA - Modular

DLC-06D3

- Hybrid Technology
- Compact 6mm module
- UL497B LISTED
- 10kA Imax (1x 8/20us)
- 2.5kA Imp (2x 10/350us)
- 5kA In (10x 8/20us)
- 2W+SHIELD+G
- Common/Differential mode protection





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

Electrical Characteristics		
Network		RS422, RS485
Nominal line voltage	Un	6 V
Max. DC operating voltage	Uc	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	IL	300 mA
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	10 kA
Nominal Discharge Current, X-C (Line/Earth) *8/20µs Test x 10 - C2 Category*	In L/PE	5 kA
Protection Level *C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)*	Up	25 V
Protection Level *C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth)*	Up	25 V
Impulse current *2 x 10/350µs Test - D1 Category*	Iimp	2.5 kA
Line resistance (± 10%)		4.7 Ohm
Mechanical Characteristics		
Technology		GDT+TVS diode
Connection to Network		By spring terminal - max. cross section 2.5mm² / AWG 13 (solid or stranded)
Format		DIN box
Mounting		Symmetrical rail 35 mm (EN 60715)
Operating temperature	Tu	-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		
641101		