



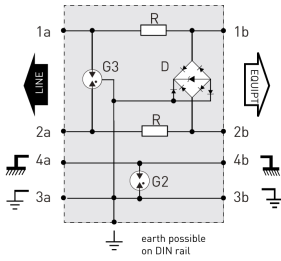
CITEL



1-pair monobloc Data surge protector

DLU-12D3

- ▶ For DIN rail mounting
- ▶ Monobloc housing
- ▶ 1-pair
- ▶ Un: 12 V
- ▶ Transmission and protection of shield wire
- ▶ IEC 61643-21 compliance
- ▶ UL497A



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

Electrical Characteristics		
Network		Profibus-FMS, Interbus, FieldBus-H1, Batibus, RS232, RS485
Nominal line voltage	Un	12 V
Max. DC operating voltage	Uc	15 Vdc
Cut-off frequency -3dB, 100 ohm system	f max.	> 140 MHz
Cut-off frequency -1dB, 100 ohm system	f max.	> 60 MHz
Insertion loss		< 1 dB
Max. load current @25°C	IL	300 mA
Max. discharge current max. withstand @ 8/20 µs by pole	Imax	20 kA
Nominal discharge current C2 Category	In	5 kA
Protection mode(s)		Common/Differential mode
Protection Level C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)	Up	30 V
Protection Level C3 (10/1000µs), 300 applications@10 A, X-C (Line/Earth)	Up	30 V
Max. capacitance	C	< 50 pF
Impulse current 2 x 10/350µs Test - D1 Category	Iimp	5 kA
Line resistance (± 10%)		4.7 Ohm
Mechanical Characteristics		
Technology		GDT+TVS diode
SPD configuration		1-pair+shielded
Connection to Network		By screw terminal - cross section 1.5-2.5mm ²
Format		DIN box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Short-circuit
Disconnection indicator		Transmission interrupt - default mode 2
Dimensions		See diagram
Standards		
Standards compliance		IEC 61643-21 / EN 61643-21 / UL497 A
Certification		UL 497B
Part number		
640502		

