



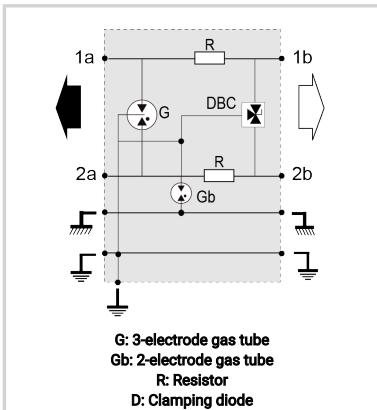
# CITEL

## 1-pair monobloc Data surge protector

### DLU-12DBC



- › Discover our latest innovation : the [DLU-12D3](#)
- › For DIN rail mounting
- › Monobloc housing
- › 1-pair
- › Un: 12 V
- › Transmission an protection of shield wire
- › IEC 61643-21 compliance
- › UL497A



Electrical Characteristics		
Network		12 V line, High bitrate
Nominal line voltage	Un	12 V
Max. DC operating voltage	Uc	15 Vdc
Max. frequency	f max.	20 MHz
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	I <sub>max</sub>	20 kA
Nominal discharge current C2 Category	I <sub>n</sub>	5 kA
Protection mode(s)		Common/Differential mode
Protection Level C3 (10/1000μs), 300 applications@10 A, Y-Y (Line/Line)	Up	35 V
Protection Level C3 (10/1000μs), 300 applications@10 A, Y-C (Line/Earth)	Up	35 V
Max. capacitance	C	< 50 pF
Impulse current 2 x 10/350μs Test - D1 Category	I <sub>imp</sub>	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 <sup>2</sup>
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		
<b>640512</b>		

