



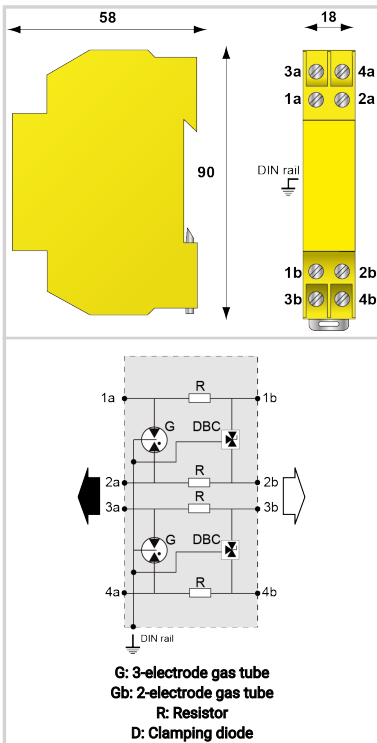
# CITEL



## 2-pair monobloc Data surge protector

### DLU2-48DBC

- › Discover our latest innovation : the [DLU2-48D3](#)
- › For DIN rail mounting
- › Monobloc housing
- › 2-pair
- › Un: 48 V
- › IEC 61643-21 compliance
- › UL497A



#### Electrical Characteristics

Electrical Characteristics		
Network		Fipway, WorldFIP, FieldBus-h2
Nominal line voltage	Un	48 V
Max. DC operating voltage	Uc	53 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
Line inductance (± 10 %)		non
Protection mode(s)		Common/Differential mode
Protection Level C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)	Up	75 V
Protection Level C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth)	Up	75 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		2 pairs
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
Remote signaling of disconnection		No
Dimensions		See diagram

#### Standards

Standards compliance		IEC 61643-21 / EN 61643-21 / UL497B
Certification		UL 497B

#### Part number

**640434**

