



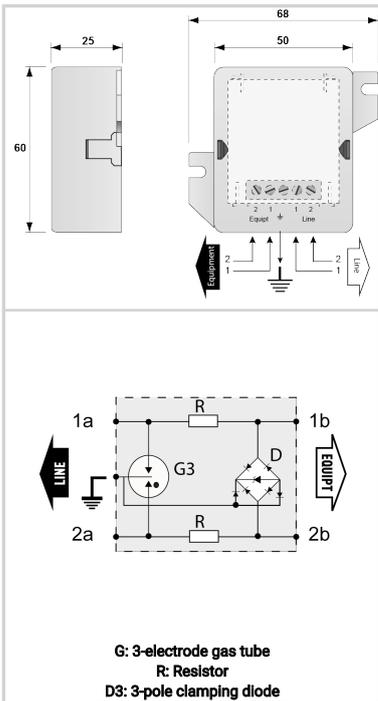
# CITEL

## DATA LINE SPD - UL497B - I<sub>max</sub> 20kA - I<sub>n</sub> 5kA

### B180-48D3



- ▶ Hybrid SAD-GDT Technology
- ▶ Common/Differential Mode Protection
- ▶ UL497B
- ▶ 20kA I<sub>max</sub>
- ▶ 5kA I<sub>imp</sub>
- ▶ 2.5kA I<sub>n</sub>



Electrical Characteristics		
Network		ISDN, POTS. 48Vdc Line
Nominal line voltage	Un	48 Vdc
Max. DC operating voltage	Uc	53 Vdc
Max. frequency	f max.	20 MHz
Insertion loss		< 1 dB
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I <sub>max</sub>	20 kA
Nominal Discharge Current <i>C2 (1.2/50μs / 8/20μs), 10 applications, X-X (Line/Line)</i>	I <sub>n</sub>	5 kA
Protection Level <i>C3 (10/1000μs), 300 applications@10 A, Y-Y (Line/Line)</i>	Up	70 V
Impulse current <i>2 x 10/350μs Test - D1 Category</i>	I <sub>imp</sub>	2.5 kA
Max. Load current	IL	300 mA
Mechanical Characteristics		
Technology		GDT + R + Diode
Connection to Network		By screw terminal: cross section 0.4-1.5mm <sup>2</sup>
Format		Wall mounting box
Mounting		Wall mounting by screws (not supplied)
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Short-circuit - transmission cut-off - fault mode 2
NETWORK CONFIGURATION		2W+G
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>510402</b>		

