



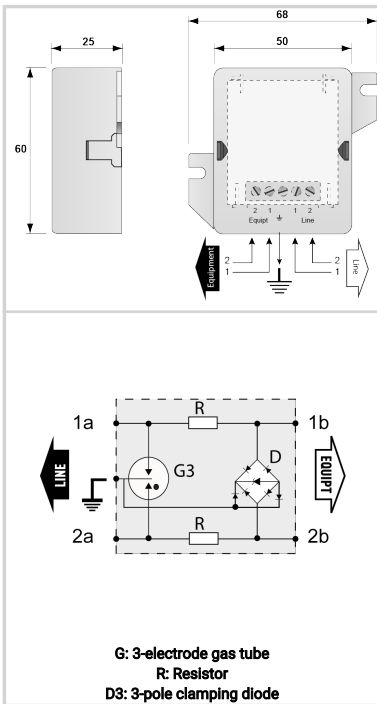
# CITEL

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

### B180-06D3



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



Electrical Characteristics	
Network	RS422, RS485
Nominal line voltage	Un 6 Vdc
Max. DC operating voltage	Uc 8 Vdc
Max. frequency	f max. 20 MHz
Insertion loss	< 1 dB
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub> 20 kA
Nominal Discharge Current C2 (1.2/50μs / 8/20μs), 10 applications, X-X (Line/Line)	I <sub>n</sub> 5 kA
Protection Level C3 (10/1000μs), 300 applications@10 A, Y-Y (Line/Line)	Up 20 V
Impulse current 2 x 10/350μs Test - D1 Category	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>510102</b>	

