



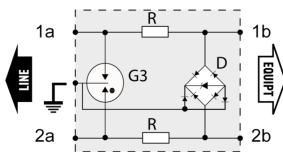
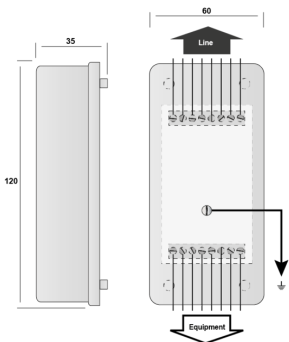
# CITEL

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

### B280-06D3



- ✦ Hybrid SAD-GDT Technology
- ✦ UL497B LISTED
- ✦ 20kA I<sub>max</sub>
- ✦ 5kA I<sub>imp</sub>
- ✦ 5kA I<sub>n</sub>



G: 3-electrode gas tube  
 R: Resistor  
 D3: 3-pole clamping diode

Electrical Characteristics		
Network		RS422, RS485
Max. DC operating voltage	Uc	8 Vdc
Max. frequency	f max.	3 MHz
Insertion loss		< 1 dB
Protection mode(s)		Common/Differential mode
Protection Level C3 (10/1000µs), 300 applications@10 A, X-X (Line/Line)	Up	20 V
Protection level C3 (10/1000µs), 300 applications@10 A, X-C (Line/Earth)	Up	20 V
DATA SPD TYPE		UL497B LISTED
VOLTS	(V)	6
WIRES		4W+GROUND
LINE CURRENT MAX	(A)	0.3
AMBIENT MIN	(C)	-50
AMBIENT MAX	(C)	+85
RESIDUAL VOLTAGE	(V)	20
MCOV	(V)	8/72/72
I <sub>N</sub>	(kA)	5
10 impulses 8/20µs		
I <sub>MAX</sub>	(kA)	20
8/20µs		
I <sub>imp</sub>	(kA)	5
10/350µs		
DATA SPEED	(Mbps)	up to 10MHz
Mechanical Characteristics		
Technology		GDT+TVS diode
Connection to Network		By screw terminal: cross section 0.4-1.5mm <sup>2</sup>
Format		Wall mounting box
Failsafe mode		Short-circuit - transmission cut-off - fault mode 2
TECHNOLOGY		SAD-GDT
NETWORK CONFIGURATION		4W+G
CONNECTION METHOD		RJ11 Connector
MOUNTING		Wall mount
MATERIAL		Thermoplastic UL94-V0
NEMA RATING (IP RATING)		NEMA 2 (IP20)
DIMENSIONS		See diagram
WEIGHT		0.30 lbs
SPARE PART		n/a
Standards		
Certification		UL 497B
UL STANDARD		UL497B
UL CATEGORY		QVGQ
UL FILE NUMBER		E184939
STANDARDS		IEC 61643-11, NOM-003-SCFI-2014, NOM-001-SCFI-1993
ENVIRONMENTAL STANDARDS		ROHS
Part number		
72771		

