



# 1-pair Data surge protector unit

# CITEL

## B180-48D3



- Compact 1-pair surge protection unit
- 48 V
- Removable protection circuit
- Wall mounting and screw connection
- UL497 A&B



	<b>Electrical Characteristics</b>	
<p>G: 3-electrode gas tube R: Resistor D3: 3-pole clamping diode</p>	<b>Mechanical Characteristics</b>	
Network	48 V line	
Nominal line voltage	Un	48 V
Max. DC operating voltage	Uc	53 Vdc
Max. frequency	f max.	> 3 MHz
Insertion loss	< 1 dB	
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	Imax	20 kA
Protection mode(s)	Common/Differential mode	
Protection level <i>Following the test category C3 (IEC61643-21) - Line/Line</i>	Up	70 V
Protection level <i>Following the test category C3 (IEC61643-21) - Line/PE</i>	Up	20 V
Line resistance	< 4.7 Ohm	
Technology	GDT+Clamping diode	
SPD configuration	1 pair	
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)	
Housing material	Thermoplastic UL94 V-0	
Operating temperature	Tu	-40/+85°C
Protection rating	IP20	
Failsafe mode	Short-circuit - transmission cut-off - fault mode 2	
Spare module(s)	S180-48D3	
Dimensions	See diagram	
<b>Standards</b>		
Standards compliance	IEC 61643-21 / EN 61643-21 / UL497A	
Certification	UL 497B	
<b>Part number</b>		
510402		

