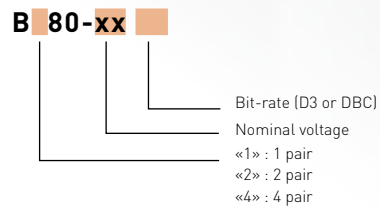


1,2 and 4-pair Surge Protectors B180, B280, B480 Series

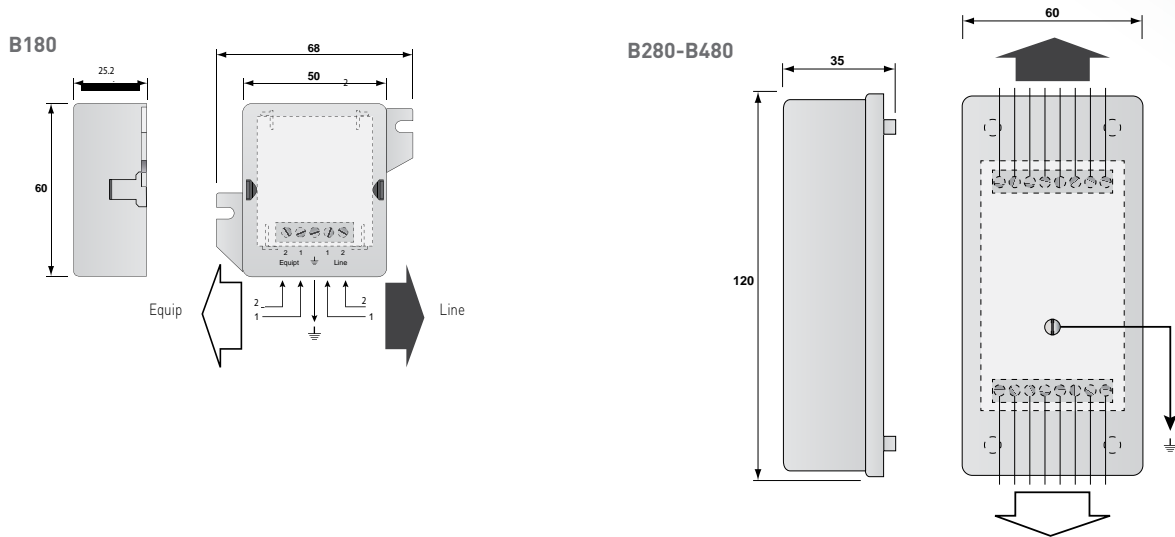


- 1 to 4-pair Telecom Surge Protector
- Multiple Configurations for All Applications
- Hybrid GDT and Diode Technology
- Removable Protection Circuit
- Line Current Up to 300mA
- Iimp : 5kA at 10/350µs
- UL497B Listed

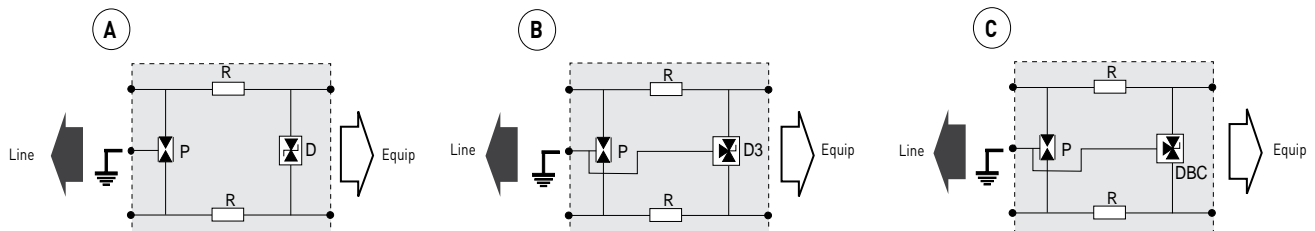


Dimensions and Electrical Diagrams

(in mm)



1-Pair Version



P : 3-electrode gas discharge tube
 R : Resistor
 D : Clamping diode
 D3 : 3-pole clamping diode
 DBC : 3-pole low capacitance diode

1,2 and 4-pair Surge Protectors B180, B280, B480 Series

Characteristics

Configuration	CITEL Part Number					
	B180-T B280-T B480-T	B180-48D3 B280-48D3 B480-48D3	B180-24D3 B280-24D3 B480-24D3	B180-12D3 B280-12D3 B480-12D3	B180-06D3 B280-06D3 B480-06D3	B280-06DBC B280-06DBC B480-06DBC
Application	Telephone line ADSL SDSL - HSDSL	ISDN-T0 48 V line	Leased line 4-20 mA	RS232 RS485	RS422	T2 - T1 10BaseT
Configuration - B180... - B280... - B480...	1 pair 2 pairs 4 pairs	- 1 channel 2 channels	LS 2 wires / 1 pair LS 4 wires / 2 pairs 2 LS 4 wires/2x2pairs	2 wires 4 wires 8 wires	1 pair 2 pairs 4 pairs/ 2x2 pairs	- 1 channel 2 channels
Nominal Line Voltage (Un)	150V	48V	24V	12V	6V	6V
Maximum Line Voltage (Uc)	170V	53V	28V	15V	8V	8V
Maximum Line Current (IL)	300mA	300mA	300mA	300mA	300mA	300mA
Maximum Frequency	> 10MHz	> 3MHz	> 3MHz	> MHz	> 3MHz	> 20MHz
Protection Level (Up) 8/20µs impulse - 5 kA	220V	70V	40V	30 V	20V	25V
Nominal Discharge Current (In) 8/20µs impulse - 10 times	5kA	5kA	5kA	5kA	5kA	5kA
Max. Discharge Current (Imax) 8/20µs impulse - 1 time	20kA	20kA	20kA	20kA	20kA	20kA
Lightning Current (Iimp) 10/350µs impulse - 2 times	5kA	5kA	5kA	5kA	5kA	5kA
Type of Diagram	A	B	B	B	B	C
End of Life	Short-circuit	Short-circuit	Short-circuit	Short-circuit	Short-circuit	Short-circuit
Mechanical Characteristics						
Mounting	wall mount					
Dimensions	See diagrams					
Wiring	screw terminal - mini/maxi cross section : 0.4/1.5 mm ²					
Housing material	Thermoplastic UL94-V0					
Spare circuit	B180-xx = S180-xx / B280-xx = S280-xx / B480-xx = S480-xxx					
Standard compliance						
NF EN 61643-21 (France) UL497B (USA)	Parafoudre pour réseau de communication - Test catégories C2 et D1 Surge protectors for communication circuits					
Part Number						
1-pair unit B180	510602	510402	510302	510202	510102	B280-06DBC
2-pair unit B280	72726	72774	72773	72772	72771	72751
4-pair unit B480	72746	72794	72793	72792	72791	72798

