



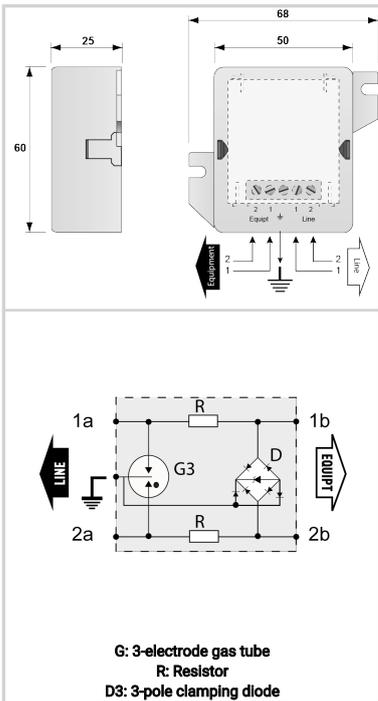
# CITEL

## 1-pair Data surge protector unit

### B180-12D3



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



#### Electrical Characteristics

|   |        |              |
|---|--------|--------------|
| Network   |        | RS232, RS485 |
| Nominal line voltage  | Un     | 12 Vdc       |
| Max. DC operating voltage   | Uc     | 15 Vdc       |
| Max. frequency  | f max. | 20 MHz       |
| Insertion loss  |        | < 1 dB       |
| Max. discharge current<br>max. withstand @ 8/20 μs by pole                            | Imax   | 20 kA        |
| Nominal Discharge Current<br>C2 (1.2/50μs / 8/20μs), 10 applications, X-X (Line/Line) | In     | 5 kA         |
| Protection Level<br>C3 (10/1000μs), 300 applications@10 A, Y-Y (Line/Line)            | Up     | 30 V         |
| Impulse current<br>2 x 10/350μs Test - D1 Category                                    | limp   | 2.5 kA       |
| Max. Load current   | IL     | 300 mA       |
| Line resistance   |        | < 4.7 Ohm    |

#### Mechanical Characteristics

|                       |    |   |
|-----------------------|----|---|
| Technology            |    | GDT + R + 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)       |    | S180-12D3   |
| Dimensions            |    | See diagram   |

#### Standards

|                      |  |                                     |
|----------------------|--|-------------------------------------|
| Standards compliance |  | IEC 61643-21 / EN 61643-21 / UL497B |
| Certification        |  | UL listed                           |

#### Part number

|        |
|--------|
| 510202 |
|--------|

