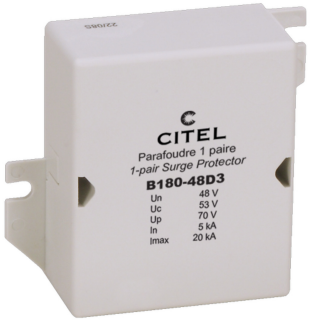
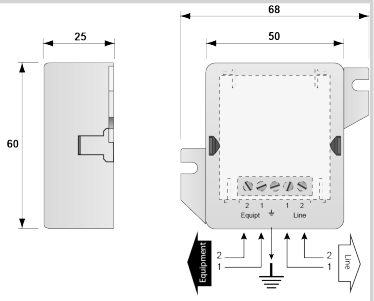
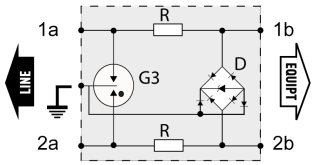
# *DATA LINE SPD - UL497B - Imax 20kA - In 5kA*

## B180-48D3




- Hybrid SAD-GDT Technology
- Common/Differential Mode Protection
- UL497B
- 20kA Imax
- 5kA Imp
- 2.5kA In




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

| Electrical Characteristics | | |
|---|---|---|
| Network | | ISDN, POTS. 48Vdc Line |
| Nominal line voltage | Un | 48 Vdc |
| Max. DC operating voltage | Uc | 53 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 (1.2/50us / 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 | 70 V |
| Impulse current<br>*2 x 10/350µs Test - D1 Category* | Iimp | 2.5 kA |
| Max. Load current | IL | 300 mA |
| **Mechanical Characteristics** | | |
| Technology | | GDT + R + Diode |
| Connection to Network | | By screw terminal: cross section 0.4-1.5mm² |
| Format | | Wall mounting box |
| Mounting | | Wall mounting by screws (not supplied) |
| Operating temperature | Tu | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe mode | | Short-circuit - transmision 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** | | |
| **510402** | | |