



CITEL

4-pair Data surge protector unit

B480-48D3



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



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|------------|--|------------------------|----------------------|----|---------|---------------------------|----|---|----------------|--------|-------------------|----------------|--|--|---|------|------------------------|--|----|-----------|--------------------------|--|------|---|----|---|---|------|-----------|-----------------------------------|----|--------|-----------------|--|-------------|-----------------|--|-----------|
| | Electrical Characteristics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>G: 3-electrode gas tube R: Resistor D3: 3-pole clamping diode</p> | <table border="1"> <tbody> <tr> <td>Network</td> <td></td> <td>ISDN, POTS. 48Vdc Line</td> </tr> <tr> <td>Nominal line voltage</td> <td>Un</td> <td>48 Vdc</td> </tr> <tr> <td>Max. DC operating voltage</td> <td>Uc</td> <td>53 Vdc</td> </tr> <tr> <td>Max. frequency</td> <td>f max.</td> <td>20 MHz</td> </tr> <tr> <td>Insertion loss</td> <td></td> <td>< 1 dB</td> </tr> <tr> <td>Max. discharge current <i>max. withstand @ 8/20 μs by pole</i></td> <td>Imax</td> <td>20 kA</td> </tr> <tr> <td>Nominal Discharge Current <i>C2 (1.2/50μs / 8/20μs), 10 applications, X-X (Line/Line)</i></td> <td>In</td> <td>5 kA</td> </tr> <tr> <td>Line inductance (± 10 %)</td> <td></td> <td>non</td> </tr> <tr> <td>Protection Level <i>C3 (10/1000μs), 300 applications@10 A, Y-Y (Line/Line)</i></td> <td>Up</td> <td>70 V</td> </tr> <tr> <td>Impulse current <i>2 x 10/350μs Test - D1 Category</i></td> <td>Iimp</td> <td>2.5 kA</td> </tr> <tr> <td>Max. Load current</td> <td>IL</td> <td>300 mA</td> </tr> <tr> <td>Type of diagram</td> <td></td> <td>B</td> </tr> <tr> <td>Line resistance</td> <td></td> <td>< 4.7 Ohm</td> </tr> </tbody> </table> | | 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 <i>max. withstand @ 8/20 μs by pole</i> | Imax | 20 kA | Nominal Discharge Current <i>C2 (1.2/50μs / 8/20μs), 10 applications, X-X (Line/Line)</i> | In | 5 kA | Line inductance (± 10 %) | | non | Protection Level <i>C3 (10/1000μs), 300 applications@10 A, Y-Y (Line/Line)</i> | Up | 70 V | Impulse current <i>2 x 10/350μs Test - D1 Category</i> | Iimp | 2.5 kA | Max. Load current | IL | 300 mA | Type of diagram | | B | Line resistance | | < 4.7 Ohm |
| 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 <i>max. withstand @ 8/20 μs by pole</i> | Imax | 20 kA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nominal Discharge Current <i>C2 (1.2/50μs / 8/20μs), 10 applications, X-X (Line/Line)</i> | In | 5 kA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Line inductance (± 10 %) | | non | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Protection Level <i>C3 (10/1000μs), 300 applications@10 A, Y-Y (Line/Line)</i> | Up | 70 V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Impulse current <i>2 x 10/350μs Test - D1 Category</i> | Iimp | 2.5 kA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. Load current | IL | 300 mA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type of diagram | | B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Line resistance | | < 4.7 Ohm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Mechanical Characteristics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <tbody> <tr> <td>Technology</td> <td></td> <td>GDT + R + Diode</td> </tr> <tr> <td>SPD configuration</td> <td></td> <td>4 pairs</td> </tr> <tr> <td>Connection to Network</td> <td></td> <td>By screw terminal: cross section 0.4-1.5mm²</td> </tr> <tr> <td>Format</td> <td></td> <td>Wall mounting box</td> </tr> <tr> <td>Mounting</td> <td></td> <td>Wall mounting by screws (not supplied)</td> </tr> <tr> <td>Housing material</td> <td></td> <td>Thermoplastic UL94 V-0</td> </tr> <tr> <td>Operating temperature</td> <td>Tu</td> <td>-40/+85°C</td> </tr> <tr> <td>Protection rating</td> <td></td> <td>IP20</td> </tr> <tr> <td>Failsafe mode</td> <td></td> <td>Short-circuit - transmission cut-off - fault mode 2</td> </tr> <tr> <td>Spare module(s)</td> <td></td> <td>S480-48D3</td> </tr> <tr> <td>Remote signaling of disconnection</td> <td></td> <td>No</td> </tr> <tr> <td>Dimensions</td> <td></td> <td>See diagram</td> </tr> </tbody> </table> | | Technology | | GDT + R + Diode | SPD configuration | | 4 pairs | Connection to Network | | By screw terminal: cross section 0.4-1.5mm ² | 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) | | S480-48D3 | Remote signaling of disconnection | | No | Dimensions | | See diagram | | | |
| Technology | | GDT + R + Diode | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SPD configuration | | 4 pairs | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Connection to Network | | By screw terminal: cross section 0.4-1.5mm ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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) | | S480-48D3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remote signaling of disconnection | | No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions | | See diagram | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Standards | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Standards compliance | | IEC 61643-21 / EN 61643-21 / UL497B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Certification | | UL listed | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Part number | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 72794 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

