



CITEL

2-pair DIN rail plug-in Data surge protector

DLA2-06D3



- Din rail plug-in surge protector
- 2-pair
- Un: 6 V
- Shield wire protection
- Without line cut-off
- IEC 61643-21 compliance
- UL497B certified



Dimensions: 68 mm width, 90 mm height, 18 mm depth.

Terminal Layout: 1a, 2a, 3a, 4a, 5a, 6a (LINE); 1b, 2b, 3b, 4b, 5b, 6b (SHIELD).

Internal Circuitry: Shows protection components G (3-electrode gas tube), Gb (2-electrode gas tube), R (Resistor), and D (Clamping diode).

Legend:
G: 3-electrode gas tube
Gb: 2-electrode gas tube
R: Resistor
D: Clamping diode

Graphs: Two graphs showing performance characteristics over time and temperature.

Electrical Characteristics

| | | |
|---|--------|-----------|
| Network | | RS422 |
| Nominal line voltage | Un | 6 V |
| Max. DC operating voltage | Uc | 8 Vdc |
| Cut-off frequency -3dB, 100 ohm system | f max. | > 115 MHz |
| Cut-off frequency -1dB, 100 ohm system | f max. | > 50 MHz |
| Max. load current @25°C | IL | 300 mA |
| Max. discharge current max. withstand @ 8/20 µs by pole | Imax | 20 kA |
| Nominal discharge current C2 Category | In | 5 kA |
| Protection Level C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line) | Up | 20 V |
| Protection Level C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth) | Up | 650 V |
| Impulse current D1 (10/350µs), 2 applications, X-C (Line/Earth) | limp | 5 kA |
| Line resistance (± 10%) | | 4.7 Ohm |

Mechanical Characteristics

| | | |
|-----------------------------------|--|---|
| Technology | | GDT+TVS diode |
| SPD configuration | | 2-pairs+shielded |
| Connection to Network | | By screw terminal: cross section 0.5-2.5mm ² |
| Format | | Plug-in DIN box |
| Mounting | | Symmetrical rail 35 mm (EN 60715) |
| Housing material | | Thermoplastic UL94 V-0 |
| Operating and storage temperature | | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe mode | | Short-circuit |
| Disconnection indicator | | Transmission interrupt - default mode 2 |
| Spare module(s) | | DLA2M-06D3 |
| Dimensions | | See diagram |

Standards

| | | |
|-------------------------|--|-------------------------------------|
| Standards compliance | | IEC 61643-21 / EN 61643-21 / UL497B |
| Certification | | UL Listed |
| Environmental standards | | EU RoHS |

Part number

640111

