



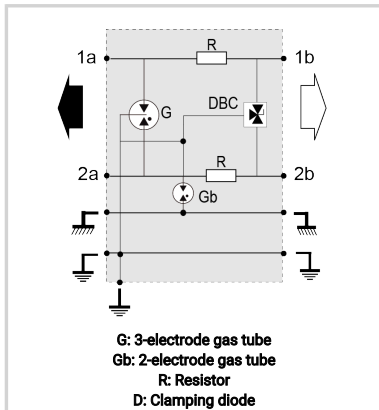
CITEL

1-pair monobloc Data surge protector

DLU-48DBC



- Discover our latest innovation : the [DLU-48D3](#)
- For DIN rail mounting
- Monobloc housing
- 1-pair
- Un: 48 V
- Transmission an protection of shield wire
- IEC 61643-21 compliance
- UL497A



| Electrical Characteristics | | |
|---|--------|--|
| Network | | Fipway, WorldFIP, FieldBus-h2 |
| Nominal line voltage | Un | 48 V |
| Max. DC operating voltage | Uc | 53 Vdc |
| Max. frequency | f max. | 20 MHz |
| Cut-off frequency -3dB, 100 ohm system | f max. | > 140 MHz |
| Cut-off frequency -1dB, 100 ohm system | f max. | > 60 MHz |
| Insertion loss | | < 1 dB |
| 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 mode(s) | | Common/Differential mode |
| Protection Level C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line) | Up | 75 V |
| Protection Level C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth) | Up | 75 V |
| Max. capacitance | C | < 50 pF |
| Impulse current 2 x 10/350µs Test - D1 Category | limp | 5 kA |
| Line resistance (± 10%) | | 4.7 Ohm |
| Mechanical Characteristics | | |
| Technology | | GDT+TVS diode |
| SPD configuration | | 1-pair+shielded |
| Connection to Network | | By screw terminal - cross section 1.5-2.5mm ² |
| Format | | DIN box |
| Mounting | | Symmetrical rail 35 mm (EN 60715) |
| Housing material | | Thermoplastic UL94 V-0 |
| Operating temperature | Tu | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe mode | | Short-circuit |
| Disconnection indicator | | Transmission interrupt - default mode 2 |
| Dimensions | | See diagram |
| Standards | | |
| Standards compliance | | IEC 61643-21 / EN 61643-21 / UL497 A |
| Certification | | UL 497B |
| Part number | | |
| 640514 | | |

