



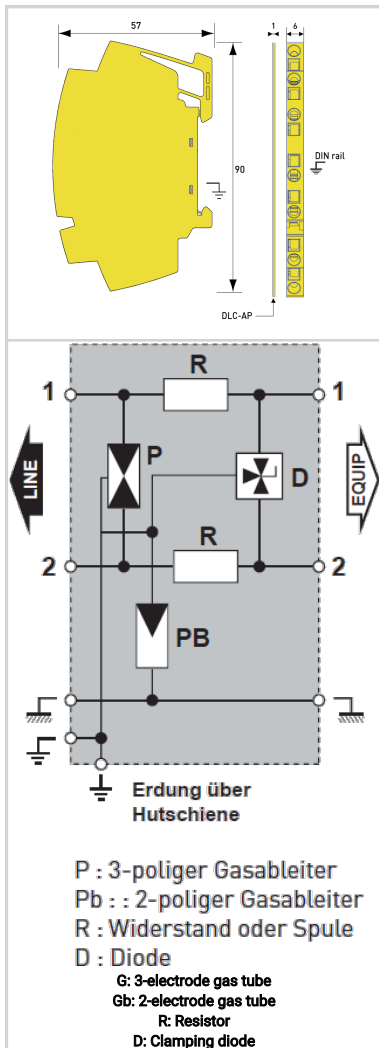
CITEL

1-pair monobloc Telecom surge protector

DLC-48DBC



- Discover our latest innovation : the [DLC-48D3](#)
- High speed data transmission
- Common mode and differential mode protection
- Data lines, including those isolated from Earth
- Compact DIN rail enclosure, high density protection
- Protection of shield wire
- Location and test categories: D1, C2, C3
- IEC 61643-21 compliance



| 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. | > 100 MHz |
| Cut-off frequency -1dB, 100 ohm system | f max. | > 45 MHz |
| Insertion loss | | < 1 dB |
| Max. load current @25°C | IL | 300 mA |
| Max. discharge current max. withstand @ 8/20 μs by pole | Imax | 10 kA |
| Nominal Discharge Current, X-C (Line/Earth) 8/20μs Test x 10 - C2 Category | In L/PE | 5 kA |
| Line inductance (± 10 %) | | non |
| Protection Level C3 (10/1000μs), 300 applications@10 A, Y-Y (Line/Line) | Up | 70 V |
| Protection Level C3 (10/1000μs), 300 applications@10 A, Y-C (Line/Earth) | Up | 70 V |
| Impulse current 2 x 10/350μs Test - D1 Category | Iimp | 2.5 kA |
| Line/Line Nominal discharge current C2 Category | In L/L | 5 kA |
| Line resistance (± 10%) | | 4.7 Ohm |
| Mechanical Characteristics | | |
| Technology | | GDT+TVS diode |
| SPD configuration | | 1-pair+shielded |
| Connection to Network | | By spring terminal - max. cross section 2.5mm ² / AWG 13 (solid or stranded) |
| Format | | DIN box |
| Mounting | | Symmetrical rail 35 mm (EN 60715) |
| Housing material | | Thermoplastic UL94 V-0 |
| Operating temperature | Tu | -40/+85°C |
| Ingress Protection rating | | IP20 (NEMA 2) |
| Failsafe mode | | Short-circuit |
| Disconnection indicator | | Transmission interrupt - default mode 2 |
| Spare module(s) | | DLAM-06D3 |
| Dimensions | | See diagram |
| Weight | | 0.029 kg |
| Standards | | |
| Standards compliance | | IEC 61643-21 / EN 61643-21 / UL497B |
| Certification | | UL 497B |
| Environmental standards | | EU RoHS |
| Part number | | |



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