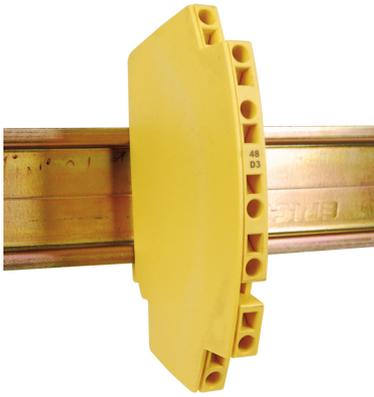




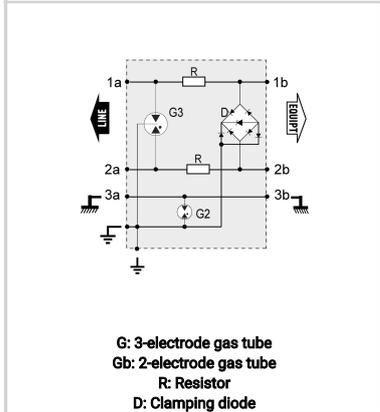
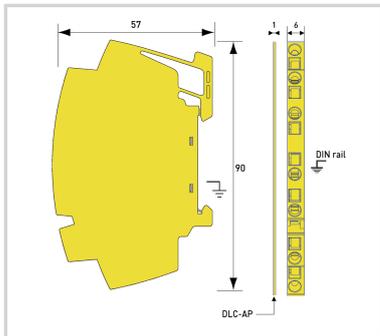
# CITEL

## 1-pair monobloc Telecom surge protector

### 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   |         | ISDN, 48 V line |
| Nominal line voltage  | Un      | 48 V            |
| Max. DC operating voltage   | Uc      | 53 Vdc          |
| Cut-off frequency<br>-3dB, 100 ohm system                                     | f max.  | > 100 MHz       |
| Cut-off frequency<br>-1dB, 100 ohm system                                     | f max.  | > 45 MHz        |
| Insertion loss  |         | < 1 dB          |
| Max. load current @25°C   | IL      | 300 mA          |
| Max. discharge current<br>max. withstand @ 8/20 μs by pole                    | Imax    | 10 kA           |
| Nominal Discharge Current, X-C (Line/Earth)<br>8/20μs Test x 10 - C2 Category | In L/PE | 5 kA            |
| Line inductance (± 10 %)  |         | non             |
| Protection Level<br>C3 (10/1000μs), 300 applications@10 A, Y-Y (Line/Line)    | Up      | 70 V            |
| Protection Level<br>C3 (10/1000μs), 300 applications@10 A, Y-C (Line/Earth)   | Up      | 70 V            |
| Impulse current<br>2 x 10/350μs Test - D1 Category                            | Iimp    | 2.5 kA          |
| Line/Line Nominal discharge current<br>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 <sup>2</sup> / 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   |
| Dimensions                |    | See diagram   |
| Weight                    |    | 0.029 kg  |

#### Standards

|                      |  |                                     |
|----------------------|--|-------------------------------------|
| Standards compliance |  | IEC 61643-21 / EN 61643-21 / UL497B |
| Certification        |  | UL 497B                             |

#### Part number

**641104**

