



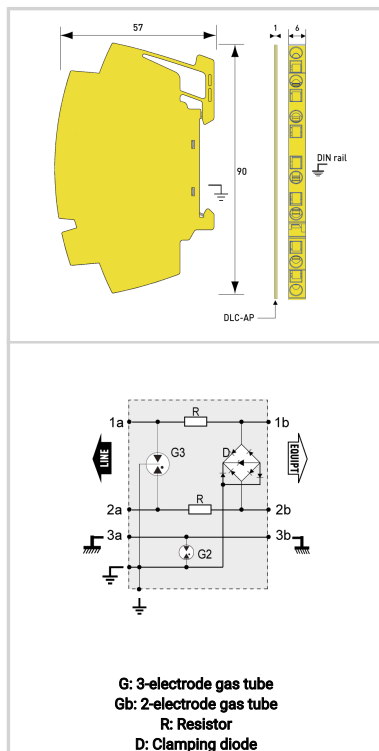
# CITEL

## 1-pair monobloc Telecom surge protector

### DLC-12D3



- 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                                                                       |         | RS232, RS485 |
| Nominal line voltage                                                          | Un      | 12 V         |
| Max. DC operating voltage                                                     | Uc      | 15 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      | 30 V         |
| Protection Level<br>C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth)   | Up      | 30 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 2.5mm² / 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 Listed                           |
| Environmental standards |  | EU RoHS                             |

#### Part number

641102

