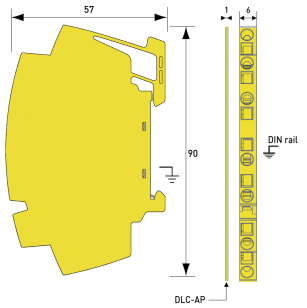
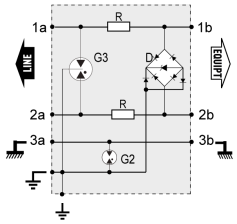
*1-pair monobloc Telecom surge protector*

# 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




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

| **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** | | |