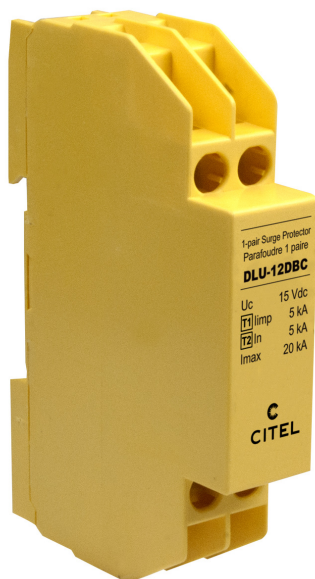




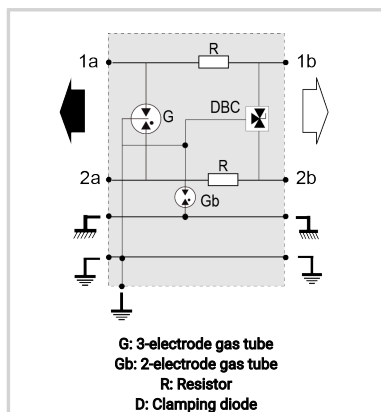
# CITEL

## 1-pair monobloc Data surge protector

### DLU-12DBC



- Discover our latest innovation : the [DLU-12D3](#)
- For DIN rail mounting
- Monobloc housing
- 1-pair
- Un: 12 V
- Transmission an protection of shield wire
- IEC 61643-21 compliance
- UL497A



| Electrical Characteristics                                                  |        |                                              |
|-----------------------------------------------------------------------------|--------|----------------------------------------------|
| Network                                                                     |        | 24 V line, High bitrate                      |
| Nominal line voltage                                                        | Un     | 12 V                                         |
| Max. DC operating voltage                                                   | Uc     | 15 Vdc                                       |
| Max. frequency                                                              | f max. | 20 MHz                                       |
| Cut-off frequency<br>-3dB, 100 ohm system                                   | f max. | > 140 MHz                                    |
| Cut-off frequency<br>-1dB, 100 ohm system                                   | f max. | > 60 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   | 20 kA                                        |
| Nominal discharge current<br>C2 Category                                    | In     | 5 kA                                         |
| Protection mode(s)                                                          |        | Common/Differential mode                     |
| Protection Level<br>C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)  | Up     | 35 V                                         |
| Protection Level<br>C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth) | Up     | 35 V                                         |
| Max. capacitance                                                            | C      | < 50 pF                                      |
| Impulse current<br>2 x 10/350µs Test - D1 Category                          | Iimp   | 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 1.5-2.5mm² |
| 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                                                                 |        |                                              |
| 640512                                                                      |        |                                              |

