



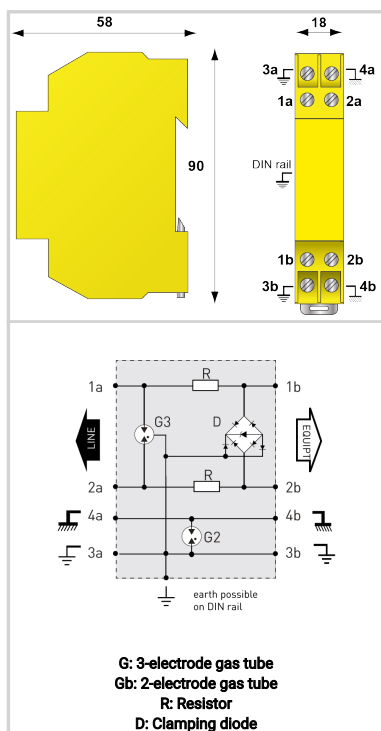
# CITEL

## 1-pair monobloc Data surge protector

### DLU-24D3



- For DIN rail mounting
- Monobloc housing
- 1-pair
- Un: 24 V
- Transmission and protection of shield wire
- IEC 61643-21 compliance
- UL497A



#### Electrical Characteristics

|                                                                             |        |                          |
|-----------------------------------------------------------------------------|--------|--------------------------|
| Network                                                                     |        | 4-20mA, Liaison 24V      |
| Nominal line voltage                                                        | Un     | 24 V                     |
| Max. DC operating voltage                                                   | Uc     | 28 Vdc                   |
| 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     | 40 V                     |
| Protection Level<br>C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth) | Up     | 40 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        |  | UL497B                               |

#### Part number

640503

