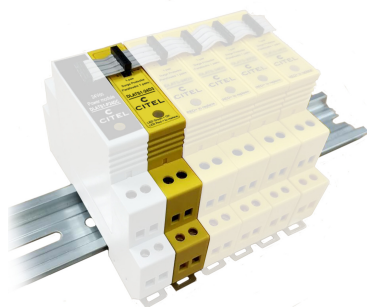




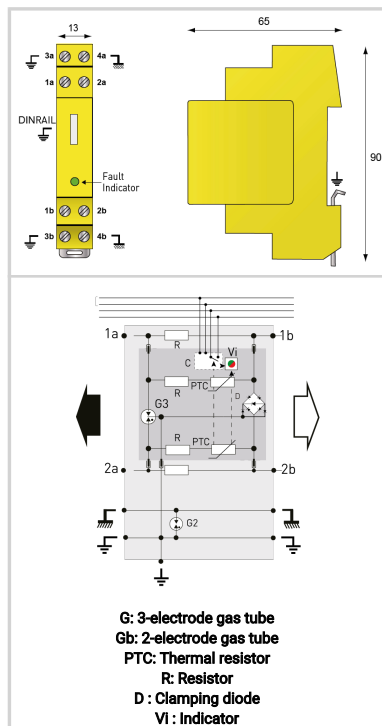
# CITEL



## 1-pair DIN rail plug-in Data surge protector

### DLATS1-24D3

- 1-pair data line/telecom surge protection
- Local and Remote signaling of SPD status
- DIN rail mounting, Screw connect status
- Plug-in module
- 1 monitoring module + SPD modules (up to 48) + bus
- Discharge current  $I_{max}/I_n$ : 20 kA / 5kA
- Complies with IEC/EN 61643-21 and UL497B



#### Electrical Characteristics

|                                                                                     |                     |                          |
|-------------------------------------------------------------------------------------|---------------------|--------------------------|
| Network                                                                             |                     | 4-20mA, Liaison 24V      |
| Nominal line voltage                                                                | Un                  | 24 V                     |
| Max. DC operating voltage                                                           | Uc                  | 28 Vdc                   |
| Max. frequency                                                                      | f max.              | 3 MHz                    |
| Insertion loss                                                                      |                     | < 1 dB                   |
| Max. load current @25°C                                                             | IL                  | 300 mA                   |
| Max. discharge current<br>max. withstand @ 8/20 $\mu$ s by pole                     | I <sub>max</sub>    | 20 kA                    |
| Nominal discharge current<br>C2 Category                                            | I <sub>n</sub>      | 5 kA                     |
| Nominal Discharge Current, X-C (Line/Earth)<br>8/20 $\mu$ s Test x 10 - C2 Category | I <sub>n</sub> L/PE | 5 kA                     |
| Protection mode(s)                                                                  |                     | Common/Differential mode |
| Protection Level<br>C3 (10/1000 $\mu$ s), 300 applications@10 A, Y-Y (Line/Line)    | Up                  | 40 V                     |
| Protection Level<br>C3 (10/1000 $\mu$ s), 300 applications@10 A, Y-C (Line/Earth)   | Up                  | 40 V                     |
| Impulse current<br>D1 (10/350 $\mu$ s), 2 applications, X-C (Line/Earth)            | I <sub>imp</sub>    | 5 kA                     |
| Line/Line Nominal discharge current<br>C2 Category                                  | I <sub>n</sub> L/L  | 5 kA                     |
| Line resistance ( $\pm 10\%$ )                                                      |                     | 4.7 Ohm                  |

#### Mechanical Characteristics

|                                   |    |                                                                                                        |
|-----------------------------------|----|--------------------------------------------------------------------------------------------------------|
| Technology                        |    | GDT+Clamping diode+PTC (thermal resistor) + Resistor                                                   |
| SPD configuration                 |    | 1-pair+shielded                                                                                        |
| Connection to Network             |    | By screw terminal: cross section 0.5-2.5mm <sup>2</sup>                                                |
| Format                            |    | Plug-in 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                     |    | Transmission cut-off - fault mode 2 (short circuit)                                                    |
| Disconnection indicator           |    | Red light on                                                                                           |
| Spare module(s)                   |    | DLATSM1-24D3                                                                                           |
| Remote signaling of disconnection |    | Trough control module                                                                                  |
| Connection bus                    |    | SPD connection/control module by bus: bus 1+4 (1 control module+4 SPD), bus 1+9, bus 1+24 and bus 1+48 |
| Dimensions                        |    | See diagram                                                                                            |

#### Standards

|                         |  |                                     |
|-------------------------|--|-------------------------------------|
| Standards compliance    |  | IEC 61643-21 / EN 61643-21 / UL497B |
| Environmental standards |  | EU RoHS                             |

#### Part number

6417031

