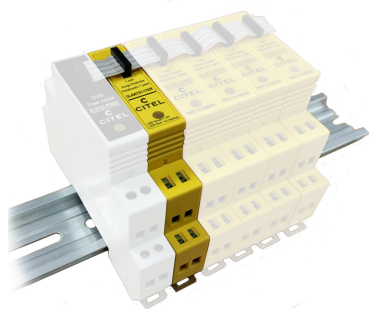




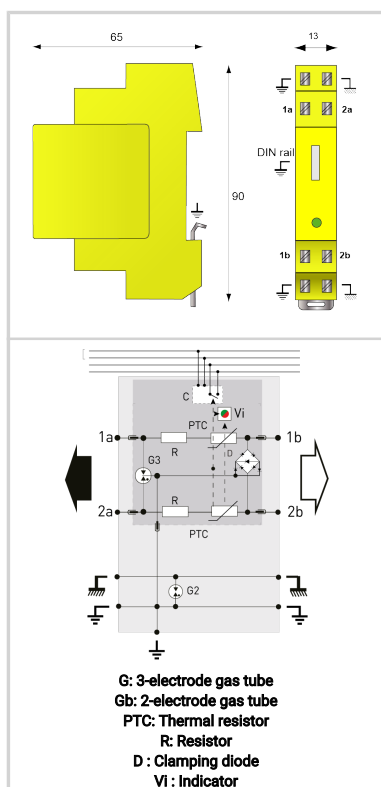
# CITEL

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

### DLAWTS1-170/R



- Surge protection for 1-pair
- Pluggable protection module
- Optical fault indication
- Remote signalling (DLAWTS1-48DC required for power supply)
- Indirect shield connection
- Indirect earthing
- Signal interruption when module is disconnected
- Conforms to IEC 61643-21, VDE 0845-3-1 and UL497B



#### Electrical Characteristics

|                                                                               |                     |                          |
|-------------------------------------------------------------------------------|---------------------|--------------------------|
| Network                                                                       |                     | RTC, ADSL2, VDSL2        |
| Nominal line voltage                                                          | Un                  | 150 V                    |
| Max. DC operating voltage                                                     | Uc                  | 170 Vdc                  |
| Max. frequency                                                                | f max.              | 10 MHz                   |
| Insertion loss                                                                |                     | < 1 dB                   |
| Max. load current @25°C                                                       | IL                  | 300 mA                   |
| Max. discharge current<br>max. withstand @ 8/20 µs 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>8/20µs Test x 10 - C2 Category | I <sub>n</sub> L/PE | 5 kA                     |
| Protection mode(s)                                                            |                     | Common/Differential mode |
| Protection Level<br>C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)    | Up                  | 220 V                    |
| Protection Level<br>C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth)   | Up                  | 220 V                    |
| Max. capacitance                                                              | C                   | < 50 pF                  |
| Impulse current<br>D1 (10/350µs), 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 (± 10%)                                                       |                     | 4.7 Ohm                  |

#### Mechanical Characteristics

|                                                     |    |                                                                                                        |
|-----------------------------------------------------|----|--------------------------------------------------------------------------------------------------------|
| Technology                                          |    | GDT+Clamping diode+PTC (thermal resistor) + Resistor                                                   |
| SPD configuration                                   |    | 1-pair+shielded                                                                                        |
| Connection to Network                               |    | Spring 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                                       |    | Specific version with line cut-off in case of removal plug-in module                                   |
| With line cut-off in case of removal plug-in module |    | Yes                                                                                                    |
| Disconnection indicator                             |    | Red light on                                                                                           |
| Spare module(s)                                     |    | DLAWTS1M-170                                                                                           |
| 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

**6421054**

