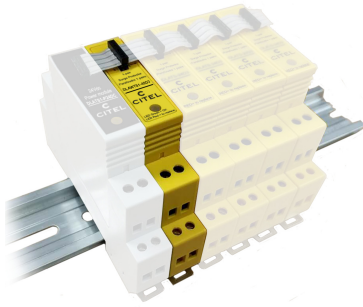




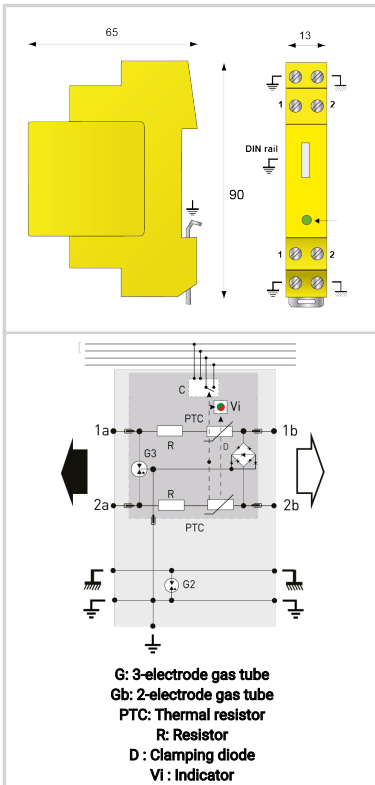
# CITEL

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

### DLAWTS1-48D3



- 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  |         | ISDN, 48 V line  |
| Nominal line voltage   | Un      | 48 V   |
| Max. DC operating voltage  | Uc      | 53 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 μs by pole                     | Imax    | 20 kA  |
| Nominal discharge current<br>C2 Category                                       | In      | 5 kA   |
| Nominal Discharge Current, X-C (Line/Earth)<br>8/20 μs Test x 10 - C2 Category | In L/PE | 5 kA   |
| Protection mode(s)   |         | Common/Differential mode   |
| Protection Level<br>C3 (10/1000 μs), 300 applications@10 A, Y-Y (Line/Line)    | Up      | 70 V   |
| Protection Level<br>C3 (10/1000 μs), 300 applications@10 A, Y-C (Line/Earth)   | Up      | 70 V   |
| Max. capacitance   | C       | < 50 pF  |
| Impulse current<br>D1 (10/350 μs), 2 applications, X-C (Line/Earth)            | Iimp    | 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+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  |         | 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-48D3  |
| 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  |         |  |
| <b>6421041</b>   |         |  |

