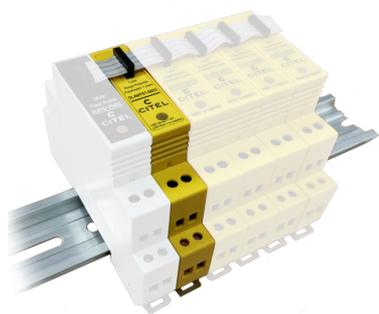
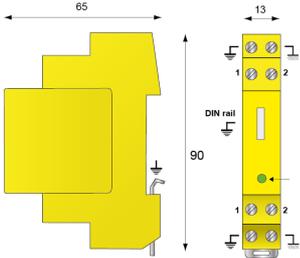
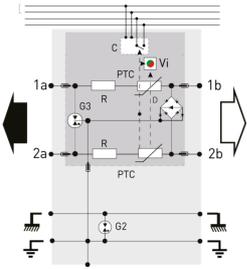


### DLAWTS1-06D3



- ✦ 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



|                                                                                                                                                                                                                                    |                                                                                                       |                                                                      |           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-----------|
|                                                                                                                                                   | <b>Electrical Characteristics</b>                                                                     |                                                                      |           |
|                                                                                                                                                                                                                                    | Network                                                                                               | RS422                                                                |           |
| Nominal line voltage                                                                                                                                                                                                               | Un                                                                                                    | 6 V                                                                  |           |
| Max. DC operating voltage                                                                                                                                                                                                          | Uc                                                                                                    | 8 Vdc                                                                |           |
| Max. frequency                                                                                                                                                                                                                     | f max.                                                                                                | 3 MHz                                                                |           |
| Insertion loss                                                                                                                                                                                                                     |                                                                                                       | < 1 dB                                                               |           |
| Max. load current @25°C                                                                                                                                                                                                            | IL                                                                                                    | 300 mA                                                               |           |
| Max. discharge current max. withstand @ 8/20 μs by pole                                                                                                                                                                            | I <sub>max</sub>                                                                                      | 20 kA                                                                |           |
| Nominal discharge current C2 Category                                                                                                                                                                                              | I <sub>n</sub>                                                                                        | 5 kA                                                                 |           |
| Nominal Discharge Current, X-C (Line/Earth) 8/20μs Test x 10 - C2 Category                                                                                                                                                         | I <sub>n</sub> L/PE                                                                                   | 5 kA                                                                 |           |
| Protection mode(s)                                                                                                                                                                                                                 |                                                                                                       | Common/Differential mode                                             |           |
| Protection Level C3 (10/1000μs), 300 applications@10 A, X-X (Line/Line)                                                                                                                                                            | Up                                                                                                    | 20 V                                                                 |           |
| Protection Level C3 (10/1000μs), 300 applications@10 A, X-C (Line/Earth)                                                                                                                                                           | Up                                                                                                    | 20 V                                                                 |           |
| Max. capacitance                                                                                                                                                                                                                   | C                                                                                                     | < 50 pF                                                              |           |
| Impulse current 2 x 10/350μs Test - D1 Category                                                                                                                                                                                    | I <sub>imp</sub>                                                                                      | 5 kA                                                                 |           |
| Line/Line Nominal discharge current C2 Category                                                                                                                                                                                    | I <sub>n</sub> L/L                                                                                    | 5 kA                                                                 |           |
| Line resistance (± 10%)                                                                                                                                                                                                            |                                                                                                       | 4.7 Ohm                                                              |           |
|  <p>G: 3-electrode gas tube<br/>Gb: 2-electrode gas tube<br/>PTC: Thermal resistor<br/>R: Resistor<br/>D : Clamping diode<br/>Vi : Indicator</p> | <b>Mechanical Characteristics</b>                                                                     |                                                                      |           |
|                                                                                                                                                                                                                                    | 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-06D3                                                        |           |
|                                                                                                                                                                                                                                    | Remote signaling of disconnection                                                                     | Trough control module                                                |           |
| Connection bus                                                                                                                                                                                                                     | SPD connection/control module by bus: bus 1+4 (1control module+4 SPD), bus 1+9, bus 1+24 and bus 1+48 |                                                                      |           |
| Dimensions                                                                                                                                                                                                                         | See diagram                                                                                           |                                                                      |           |
| <b>Standards</b>                                                                                                                                                                                                                   |                                                                                                       |                                                                      |           |
| Standards compliance                                                                                                                                                                                                               | IEC 61643-21 / EN 61643-21 / UL497B                                                                   |                                                                      |           |
| <b>Part number</b>                                                                                                                                                                                                                 |                                                                                                       |                                                                      |           |
| 6421011                                                                                                                                                                                                                            |                                                                                                       |                                                                      |           |