



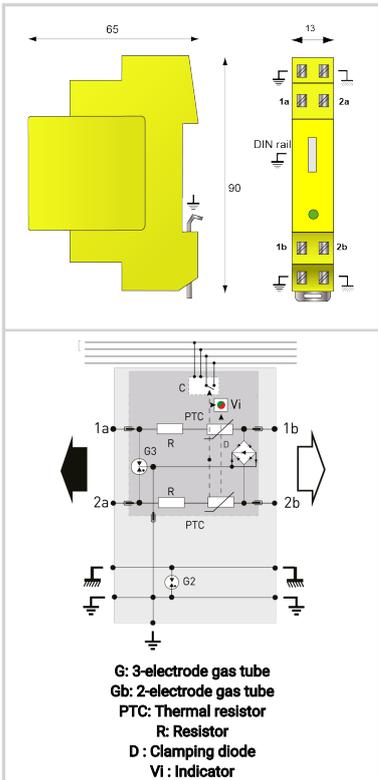
CITEL

1-pair DIN rail plug-in Data surge protector

DLAWTS1-48D3/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 | | 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 max. withstand @ 8/20 μs by pole | Imax | 20 kA |
| Nominal discharge current C2 Category | In | 5 kA |
| Nominal Discharge Current, X-C (Line/Earth) 8/20 μs Test x 10 - C2 Category | In L/PE | 5 kA |
| Protection mode(s) | | Common/Differential mode |
| Protection Level C3 (10/1000 μs), 300 applications@10 A, Y-Y (Line/Line) | Up | 70 V |
| Protection Level C3 (10/1000 μs), 300 applications@10 A, Y-C (Line/Earth) | Up | 70 V |
| Max. capacitance | C | < 50 pF |
| Impulse current D1 (10/350 μs), 2 applications, X-C (Line/Earth) | Iimp | 5 kA |
| Line/Line Nominal discharge current 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 | | Spring terminal: cross section 0.5-2.5mm ² |
| 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 |
| Weight | | 0.063 kg |

Standards

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

Part number

6421044

