



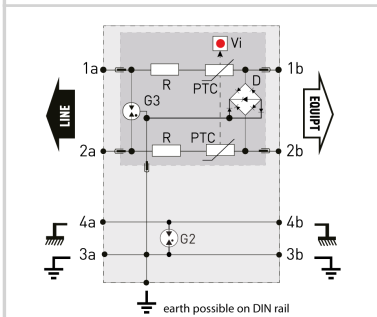
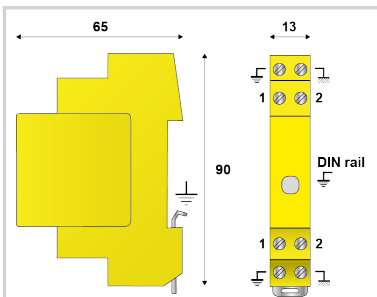
CITEL

1-pair DIN rail plug-in Data surge protector

DLAWS1-48D3



- ▶ 1-pair Surge protection
- ▶ Pluggable protection module
- ▶ Optical fault indication
- ▶ Indirect shield connection
- ▶ Visual indicator in failsafe behaviour
- ▶ Indirect earthing
- ▶ Current circuit disconnection when module is unplugged
- ▶ Conforms to IEC 61643-21, VDE 0845-3-1 and UL497B



G: 3-electrode gas tube
Gb: 2-electrode gas tube
PTC: Thermal resistor
R: Resistor
D: Clamping diode
VI: Indicator

| Electrical Characteristics | | |
|--|---------------------|--|
| Network | | ISDN-T0, 48 V |
| 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 | I _{max} | 20 kA |
| Nominal discharge current C2 Category | I _n | 5 kA |
| Nominal Discharge Current, X-C (Line/Earth) 8/20 μs Test x 10 - C2 Category | I _n L/PE | 5 kA |
| 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 |
| Impulse current D1 (10/350 μs), 2 applications, X-C (Line/Earth) | I _{imp} | 5 kA |
| Line/Line Nominal discharge current C2 Category | I _n L/L | 5 kA |
| Line resistance (± 10%) | | 4.7 Ohm |
| Mechanical Characteristics | | |
| Disconnection | | Specific version with line cut-off in case of removal plug-in module |
| 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 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 | | Opening line - transmission cut-off - fault mode 2 |
| With line cut-off in case of removal plug-in module | | Yes |
| Disconnection indicator | | Red light on |
| Spare module(s) | | DLAWS1M-48D3 |
| Dimensions | | See diagram |
| Standards | | |
| Standards compliance | | IEC 61643-21 / EN 61643-21 / UL497B |
| Certification | | UL Listed |
| Environmental standards | | EU RoHS |
| Part number | | |
| 6419041 | | |

