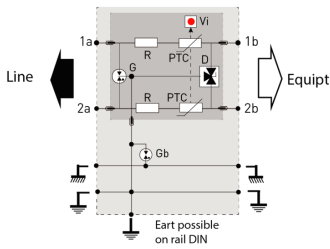
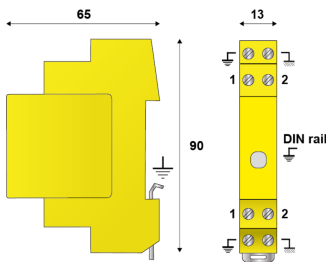


DLAWS1-48D3



- ✦ 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. discharge current max. withstand @ 8/20 μs by pole | Imax | 20 kA |
| Protection mode(s) | | Common/Differential mode |
| Protection Level C3 (10/1000μs), 300 applications@10 A, X-X (Line/Line) | Up | 70 V |
| Protection level C3 (10/1000μs), 300 applications@10 A, X-C (Line/Earth) | Up | 70 V |
| Impulse current 2 x 10/350μs Test - D1 Category | Iimp | 5 kA |
| Nominal discharge current C2 Category | In | 5 kA |
| Line/Line Nominal discharge current C2 Category | In L/L | 5 kA |
| Nominal Discharge Current, X-C (Line/Earth) 8/20μs Test x 10 - C2 Category | In L/PE | 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 |
| Part number | | |
| 6419041 | | |