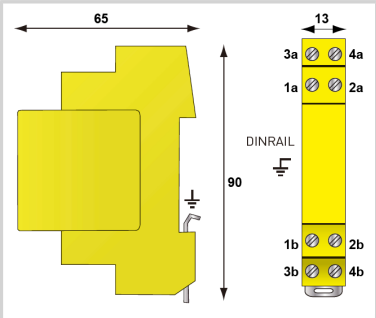
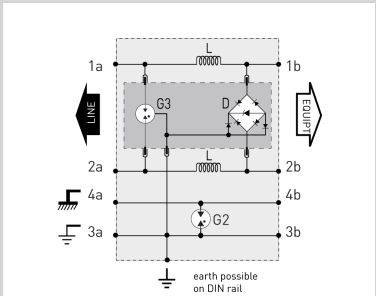
# *1-pair DIN rail plug-in Data surge protector*

## DLAH-48D3

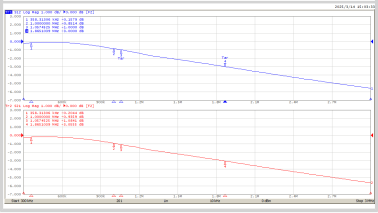



- Pluggable surge protection for «DIN» mounting
- Coordination inductor
- Up to 2.4 A line current
- Remote supply version
- All types of Telephone and Data lines
- Shield wire protection
- IEC 61643-21 compliance




**G: 3-electrode gas tube**
**Gb: 2-electrode gas tube**
**L: Inductor**
**D: Clamping diode**



| **Electrical Characteristics** | | |
|---|---|---|
| Network | | ISDN, 48 V line |
| Nominal line voltage | Un | 48 V |
| Max. DC operating voltage | Uc | 53 Vdc |
| Cut-off frequency<br>*-3dB, 100 ohm system* | f max. | > 1.8 MHz |
| Cut-off frequency<br>*-1dB, 100 ohm system* | f max. | > 1 MHz |
| Max. load current @25°C | IL | 2.4 A |
| Max. discharge current<br>*max. withstand @ 8/20 µs by pole* | Imax | 20 kA |
| Nominal Discharge Current, X-C (Line/Earth)<br>*8/20µs Test x 10 - C2 Category* | In L/PE | 5 kA |
| Line inductance (± 10 %) | | 10 µH |
| Protection Level<br>*C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)* | Up | 70 V |
| Protection Level<br>*C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth)* | Up | 70 V |
| Impulse current<br>*D1 (10/350µs), 2 applications, X-C (Line/Earth)* | Iimp | 5 kA |
| Line/Line Nominal discharge current<br>*C2 Category* | In L/L | 5 kA |
| **Mechanical Characteristics** | | |
| Technology | | GDT+TVS diode |
| SPD configuration | | 1-pair+shielded |
| Connection to Network | | By screw terminal: cross section 0.4-1.5mm² |
| 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 | | Short-circuit |
| Disconnection indicator | | Transmission interrupt - default mode 2 |
| Spare module(s) | | DLAHM-48D3 |
| Dimensions | | See diagram |
| **Standards** | | |
| Standards compliance | | IEC 61643-21 / EN 61643-21 / UL497B |
| Certification | | UL Listed |
| Environmental standards | | EU RoHS |
| **Part number** | | |
| **641004** | | |