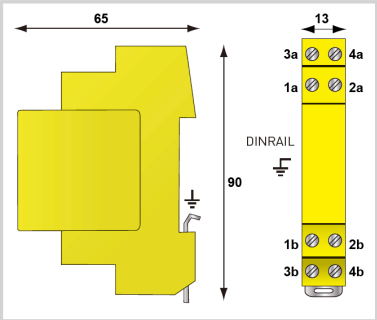
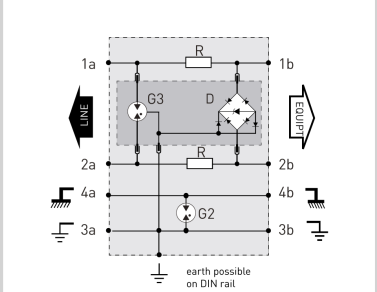
*1-pair DIN rail plug-in Data surge protector*

# DLA-12D3

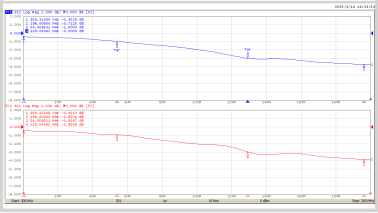



- High current data transmission
- Common mode and differential mode protection
- Data lines, including those isolated from Earth
- Compact DIN rail enclosure, high density protection
- Protection of shield wire
- Location and test categories: D1, C2, C3
- IEC 61643-21 compliance




**G: 3-electrode gas tube**
**Gb: 2-electrode gas tube**
**R: Resistor**
**D: Clamping diode**



| **Electrical Characteristics** | | |
|---|---|---|
| Network | | RS232, RS485 |
| Nominal line voltage | Un | 12 V |
| Max. DC operating voltage | Uc | 15 Vdc |
| Cut-off frequency<br>*-3dB, 100 ohm system* | f max. | > 115 MHz |
| Cut-off frequency<br>*-1dB, 100 ohm system* | f max. | > 50 MHz |
| Max. load current @25°C | IL | 300 mA |
| Max. discharge current<br>*max. withstand @ 8/20 µs by pole* | Imax | 20 kA |
| Nominal discharge current<br>*C2 Category* | In | 5 kA |
| Protection Level<br>*C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)* | Up | 30 V |
| Protection Level<br>*C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth)* | Up | 20 V |
| Impulse current<br>*D1 (10/350µs), 2 applications, X-C (Line/Earth)* | Iimp | 5 kA |
| Line resistance (± 10%) | | 4.7 Ohm |
| **Mechanical Characteristics** | | |
| Technology | | GDT+TVS diode |
| SPD configuration | | 1-pair+shielded |
| Connection to Network | | By screw terminal: cross section 0.5-2.5mm² |
| Format | | Din Rail Base-Plug-in Module |
| 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) | | DLAM-12D3 |
| Dimensions | | See diagram |
| Weight | | 0.063 kg |
| **Standards** | | |
| Standards compliance | | IEC 61643-21 / EN 61643-21 / UL497B |
| UL File Number | | E184939 |
| Certification | | UL Listed |
| Environmental standards | | EU RoHS |
| **Part number** | | |
| **6402011** | | |