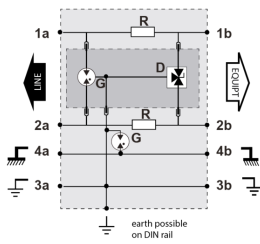
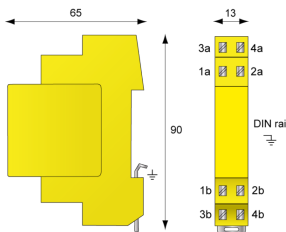


DLA-48D3/R



- ✦ 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
- ✦ Plug-out with line cut-off
- ✦ 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   |        | RNIS-T0, 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<br>max. withstand @ 8/20 µs by pole                  | Imax   | 20 kA   |
| Line inductance (± 10 %)  |        | non   |
| Protection Level<br>C3 (10/1000µs), 300 applications@10 A, X-X (Line/Line)  | Up     | 70 V  |
| Protection level<br>C3 (10/1000µs), 300 applications@10 A, X-C (Line/Earth) | Up     | 70 V  |
| Max. capacitance  | C      | < 50 pF   |
| Impulse current<br>2 x 10/350µs Test - D1 Category                          | Iimp   | 5 kA  |
| Nominal discharge current<br>C2 Category                                    | In     | 5 kA  |
| Line resistance (± 10%)   |        | 4.7 Ohm   |
| Mechanical Characteristics  |        |   |
| Technology  |        | GDT+TVS diode   |
| SPD configuration   |        | 1-pair+shielded                                       |
| Connection to Network   |        | Spring terminal: cross section 0.5-2.5mm <sup>2</sup> |
| Mounting  |        | Symmetrical rail 35 mm (EN 60715)                     |
| Housing material  |        | Thermoplastic UL94 V-0                                |
| Operating and storage temperature   |        | -40/+85°C   |
| Protection rating   |        | IP20  |
| Failsafe mode   |        | Short-circuit   |
| Disconnection indicator   |        | Transmission interrupt - default mode 2               |
| Spare module(s)   |        | DLAM-48D3   |
| Dimensions  |        | See diagram   |
| Standards   |        |   |
| Standards compliance  |        | IEC 61643-21 / EN 61643-21                            |
| Part number   |        |   |
| 6403024   |        |   |

