



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

# CITEL

## 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



### 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 max. withstand @ 8/20 µs by pole | I <sub>max</sub> | 20 kA              |
| Line inductance   |                  | No                 |
| Protection level @ I <sub>n</sub> (8/20 µs)             | Up L/L           | 70 V               |
| Max. capacitance  | C                | < 50 pF            |
| Impulse current 2 x 10/350µs Test - D1 Category         | I <sub>imp</sub> | 5 kA               |
| Nominal discharge current C2 Category                   | I <sub>n</sub>   | 5 kA               |
| Line resistance   |                  | < 4.7 Ohm          |

### Mechanical Characteristics

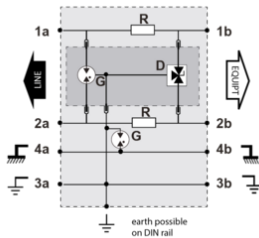
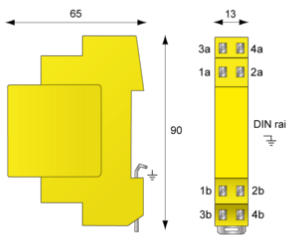
|                                   |  |   |
|-----------------------------------|--|---|
| Technology                        |  | GDT+Clamping diode                                    |
| SPD configuration                 |  | 1-pair+shielded                                       |
| Connection to Network             |  | 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

|             |  |         |
|-------------|--|---------|
| Part number |  | 6403024 |
|-------------|--|---------|



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

