



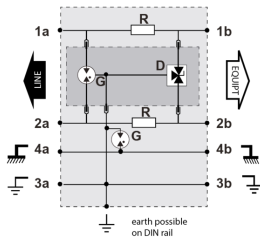
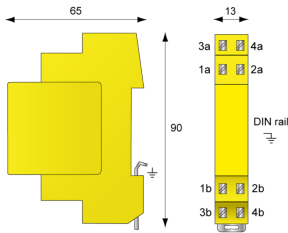
# CITEL

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

### DLA-24D3/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   |        | 4-20 mA |
| Nominal line voltage  | Un     | 24 V    |
| Max. DC operating voltage   | Uc     | 28 Vdc  |
| Max. frequency  | f max. | > 3 MHz |
| Insertion loss  |        | < 1 dB  |
| 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     | 40 V    |
| Protection level<br>C3 (10/1000μs), 300 applications@10 A, X-C (Line/Earth) | Up     | 40 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    |
| Max. Load current   | IL     | 300 mA  |
| 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-24D3   |
| Dimensions                        |  | See diagram   |

#### Standards

|                      |  |                            |
|----------------------|--|----------------------------|
| Standards compliance |  | IEC 61643-21 / EN 61643-21 |
|----------------------|--|----------------------------|

#### Part number

|             |  |         |
|-------------|--|---------|
| Part number |  | 6401034 |
|-------------|--|---------|

