



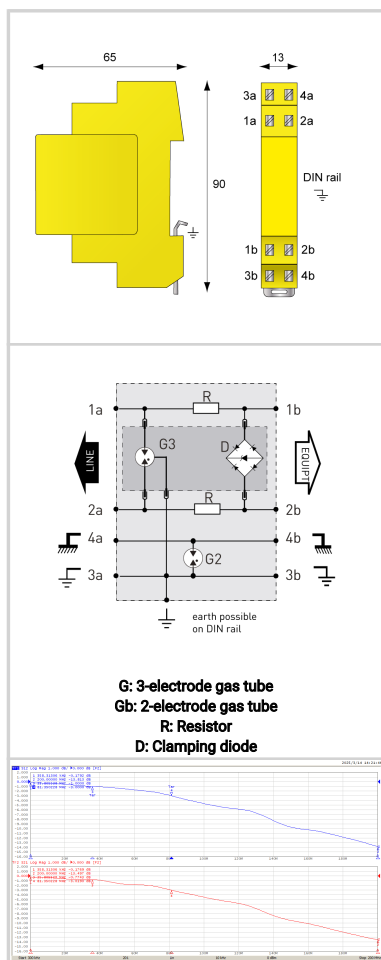
# CITEL



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

### DLA-24D2/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                                                                     |        | 4-20mA, Liaison 24V                       |
| Nominal line voltage                                                        | Un     | 24 V                                      |
| Max. DC operating voltage                                                   | Uc     | 32 Vdc                                    |
| Cut-off frequency<br>-3dB, 100 ohm system                                   | f max. | > 75 MHz                                  |
| Cut-off frequency<br>-1dB, 100 ohm system                                   | f max. | > 30 MHz                                  |
| Max. load current @25°C                                                     | IL     | 600 mA                                    |
| Max. discharge current<br>max. withstand @ 8/20 µs by pole                  | Imax   | 20 kA                                     |
| Nominal discharge current<br>C2 Category                                    | In     | 10 kA                                     |
| Protection Level<br>C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)  | Up     | 60 V                                      |
| Protection Level<br>C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth) | Up     | 650 V                                     |
| Max. capacitance                                                            | C      | < 50 pF                                   |
| Impulse current<br>D1 (10/350µs), 2 applications, X-C (Line/Earth)          | Iimp   | 5 kA                                      |
| Line resistance (± 10%)                                                     |        | 2 Ohm                                     |
| Mechanical Characteristics                                                  |        |                                           |
| Technology                                                                  |        | GDT+TVS diode                             |
| SPD configuration                                                           |        | 1-pair+shielded                           |
| Connection to Network                                                       |        | Spring 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 and storage temperature                                           |        | -40/+85°C                                 |
| Protection rating                                                           |        | IP20                                      |
| Failsafe mode                                                               |        | Short-circuit                             |
| Disconnection indicator                                                     |        | Transmission interrupt - default mode 2   |
| Spare module(s)                                                             |        | DLAM-24D2                                 |
| Dimensions                                                                  |        | See diagram                               |
| Standards                                                                   |        |                                           |
| Standards compliance                                                        |        | IEC 61643-21 / EN 61643-21 / UL497B       |
| Certification                                                               |        | UL Listed                                 |
| Part number                                                                 |        |                                           |
| 6401632                                                                     |        |                                           |

