



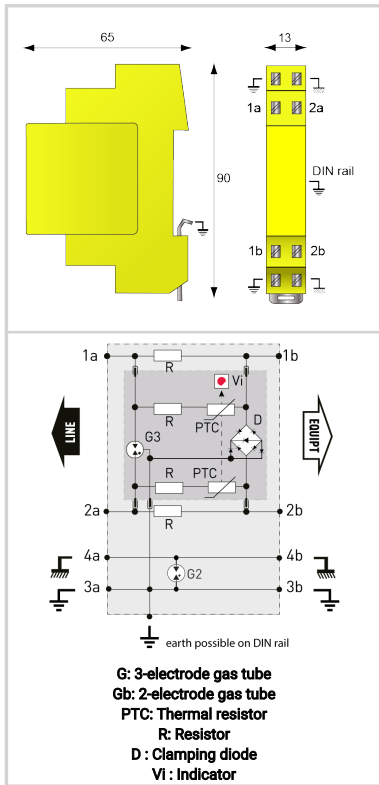
# CITEL



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

### DLAS1-48D3/R

- › 1-pair Pluggable SPD for dataline
- › Visual indicator in failsafe behaviour
- › Without line cut-off
- › Line voltage 48 Vdc
- › Din rail mounting, spring contact
- › IEC/EN 61643-21 and UL497B compliance



#### Electrical Characteristics

|                                                                               |         |                 |
|-------------------------------------------------------------------------------|---------|-----------------|
| Network                                                                       |         | ISDN, 48 V line |
| Nominal line voltage                                                          | Un      | 48 V            |
| Max. DC operating voltage                                                     | Uc      | 53 Vdc          |
| Max. frequency                                                                | f max.  | 3 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, X-C (Line/Earth)<br>8/20µs Test x 10 - C2 Category | In L/PE | 5 kA            |
| Protection Level<br>C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)    | Up      | 70 V            |
| Protection Level<br>C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth)   | Up      | 70 V            |
| Impulse current<br>D1 (10/350µs), 2 applications, X-C (Line/Earth)            | Iimp    | 5 kA            |
| Line/Line Nominal discharge current<br>C2 Category                            | In L/L  | 5 kA            |
| Line resistance (± 10%)                                                       |         | 4.7 Ohm         |

#### Mechanical Characteristics

|                         |    |                                                      |
|-------------------------|----|------------------------------------------------------|
| Technology              |    | GDT+Clamping diode+PTC (thermal resistor) + Resistor |
| SPD configuration       |    | 1-pair+shielded                                      |
| Connection to Network   |    | By spring contact terminal: 0.5-4 mm <sup>2</sup>    |
| Format                  |    | Plug-in DIN box                                      |
| Mounting                |    | Symmetrical rail 35 mm (EN 60715)                    |
| Housing material        |    | Thermoplastic UL94 V-0                               |
| Operating temperature   | Tu | -40/+85°C                                            |
| Protection rating       |    | IP20                                                 |
| Failsafe mode           |    | Opening line - transmission cut-off - fault mode 2   |
| Disconnection indicator |    | Visual indicator is red                              |
| Spare module(s)         |    | DLAS1M-48D3                                          |
| Dimensions              |    | See diagram                                          |

#### Standards

|                         |  |                                     |
|-------------------------|--|-------------------------------------|
| Standards compliance    |  | IEC 61643-21 / EN 61643-21 / UL497B |
| Environmental standards |  | EU RoHS                             |

#### Part number

6415044

