



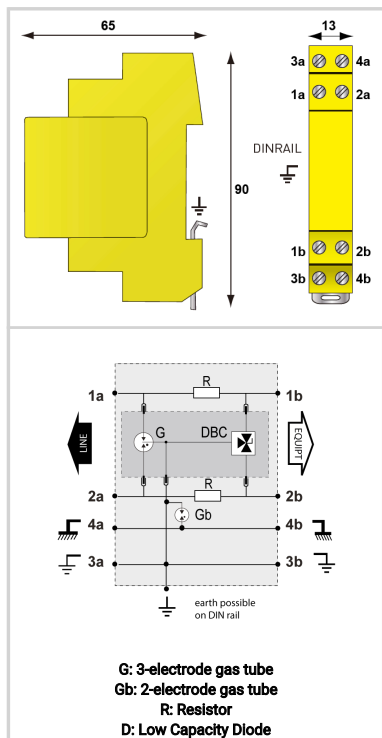
# CITEL

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

### DLA-12DBC



- Discover our latest innovation : the [DLA-12D3](#)
- 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                                                                           |        | RS232, RS485 |
| Nominal line voltage                                                              | Un     | 12 V         |
| Max. DC operating voltage                                                         | Uc     | 15 Vdc       |
| Max. frequency                                                                    | f max. | 20 MHz       |
| Insertion loss                                                                    |        | < 1 dB       |
| Max. load current @25°C                                                           | IL     | 300 mA       |
| Max. discharge current<br>max. withstand @ 8/20 $\mu$ s by pole                   | Imax   | 20 kA        |
| Nominal discharge current<br>C2 Category                                          | In     | 5 kA         |
| Protection Level<br>C3 (10/1000 $\mu$ s), 300 applications@10 A, Y-Y (Line/Line)  | Up     | 35 V         |
| Protection Level<br>C3 (10/1000 $\mu$ s), 300 applications@10 A, Y-C (Line/Earth) | Up     | 35 V         |
| Impulse current<br>2 x 10/350 $\mu$ s Test - D1 Category                          | Iimp   | 5 kA         |
| Line resistance ( $\pm$ 10%)                                                      |        | 4.7 Ohm      |

#### Mechanical Characteristics

|                         |    |                                                         |
|-------------------------|----|---------------------------------------------------------|
| Technology              |    | GDT+TVS diode                                           |
| SPD configuration       |    | 1-pair+shielded                                         |
| Connection to Network   |    | By screw terminal: cross section 0.5-2.5mm <sup>2</sup> |
| Format                  |    | Din Rail Base-Plug-in Module                            |
| Mounting                |    | Symmetrical rail 35 mm (EN 60715)                       |
| Housing material        |    | Thermoplastic UL94 V-0                                  |
| Operating temperature   | Tu | -40/+85°C                                               |
| Protection rating       |    | IP20                                                    |
| Failsafe mode           |    | Short-circuit                                           |
| Disconnection indicator |    | Transmission interrupt - default mode 2                 |
| Spare module(s)         |    | DLAM-12DBC                                              |
| Dimensions              |    | See diagram                                             |

#### Standards

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

#### Part number

640221

