



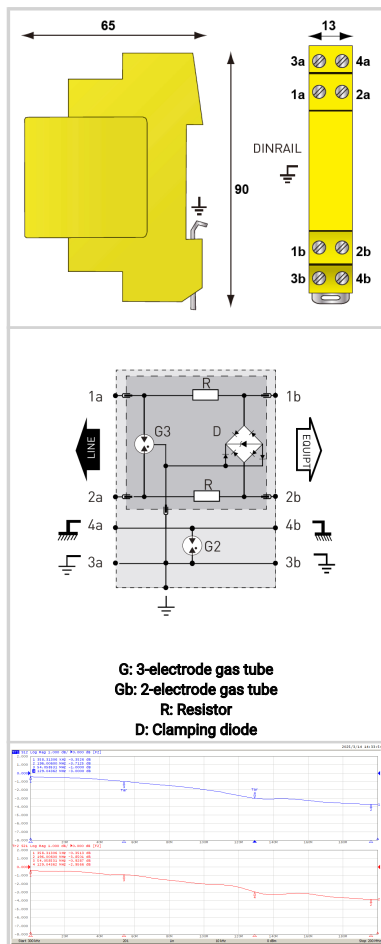
# CITEL



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

### DLAW-12D3

- ›Din rail plug-in surge protector
- ›1-pair
- ›Un: 6 V
- ›Shield wire protection
- ›Plug-out with line cut-off
- ›IEC 61643-21 compliance
- ›UL497B



#### Electrical Characteristics

|                                                                               |                  |              |
|-------------------------------------------------------------------------------|------------------|--------------|
| Network                                                                       |                  | RS232, RS485 |
| Nominal line voltage                                                          | Un               | 12 V         |
| Max. DC operating voltage                                                     | Uc               | 15 Vdc       |
| Cut-off frequency<br>-3dB, 100 ohm system                                     | f max.           | > 115 MHz    |
| Cut-off frequency<br>-1dB, 100 ohm system                                     | f max.           | > 50 MHz     |
| Max. load current @25°C                                                       | IL               | 300 mA       |
| Max. discharge current<br>max. withstand @ 8/20 μs by pole                    | I <sub>max</sub> | 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               | 30 V         |
| Protection Level<br>C3 (10/1000μs), 300 applications@10 A, Y-C (Line/Earth)   | Up               | 20 V         |
| Impulse current<br>D1 (10/350μs), 2 applications, X-C (Line/Earth)            | I <sub>imp</sub> | 5 kA         |
| Line/Line Nominal discharge current<br>C2 Category                            | In L/L           | 5 kA         |
| Line resistance                                                               |                  | < 4.7 Ohm    |
| Line resistance (± 10%)                                                       |                  | 4.7 Ohm      |

#### Mechanical Characteristics

|                                                     |    |                                                                      |
|-----------------------------------------------------|----|----------------------------------------------------------------------|
| Disconnection                                       |    | Specific version with line cut-off in case of removal plug-in module |
| 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                                              |    | 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                                       |    | Short-circuit                                                        |
| With line cut-off in case of removal plug-in module |    | Yes                                                                  |
| Disconnection indicator                             |    | Transmission interrupt - default mode 2                              |
| Spare module(s)                                     |    | DLAM-12D3                                                            |
| Dimensions                                          |    | See diagram                                                          |

#### Standards

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

#### Part number

640802

