



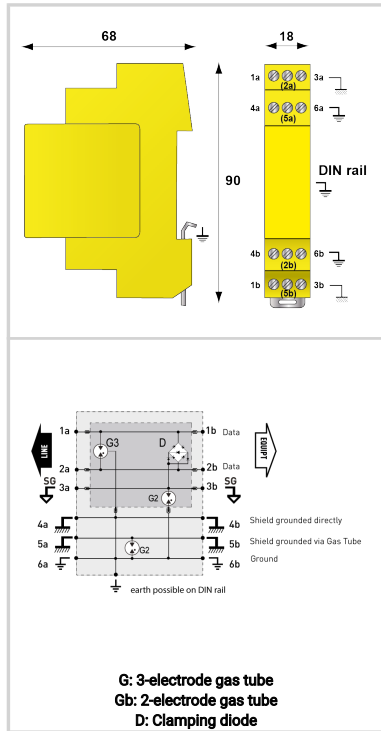
# CITEL



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

### DLA-24-IS

- 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                                                                               |        | Floating applications, E.g: 4-20mA or 24 V line |
| Nominal line voltage                                                                  | Un     | 24 V                                            |
| Max. DC operating voltage                                                             | Uc     | 28 Vdc                                          |
| Cut-off frequency<br>-3dB, 100 ohm system                                             | f max. | > 80 MHz                                        |
| Cut-off frequency<br>-1dB, 100 ohm system                                             | f max. | > 45 MHz                                        |
| Insertion loss                                                                        |        | < 1 dB                                          |
| Nominal Discharge Current<br>C2 (1.2/50us / 8/20us), 10 applications, X-X (Line/Line) | In     | 200 A                                           |
| Nominal discharge current<br>C2 (1.2/50us / 8/20us), 10 applications X-C (Line/Earth) | In     | 5 kA                                            |
| Max. discharge current<br>max. withstand @ 8/20 us, X-C (Line/Earth)                  | Imax   | 20 kA                                           |
| Protection Level<br>C3 (10/1000us), 300 applications@10 A, Y-Y (Line/Line)            | Up     | 40 V                                            |
| Protection Level<br>C3 (10/1000us), 300 applications@10 A, Y-C (Line/Earth)           | Up     | 650 V                                           |
| Impulse current<br>D1 (10/350us), 2 applications, X-C (Line/Earth)                    | Iimp   | 5 kA                                            |
| Max. Load current                                                                     | IL     | 2,4 A                                           |
| Line resistance (± 10%)                                                               |        | 0,05 Ohm                                        |
| Capacitance<br>@1MHz, X-C (Line/Earth)                                                | C      | < 50 pF                                         |
| Mechanical Characteristics                                                            |        |                                                 |
| Technology                                                                            |        | GDT+TVS diode                                   |
| SPD configuration                                                                     |        | 1-pair+shielded                                 |
| Connection to Network                                                                 |        | By screw 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                                       |
| Ingress Protection rating                                                             |        | IP20 (NEMA 2)                                   |
| Failsafe mode                                                                         |        | Short-circuit                                   |
| Disconnection indicator                                                               |        | Transmission interrupt - default mode 2         |
| Spare module(s)                                                                       |        | DLAM-24-IS                                      |
| Dimensions                                                                            |        | See diagram                                     |
| Weight                                                                                |        | 0.087 kg                                        |
| Standards                                                                             |        |                                                 |
| Standards compliance                                                                  |        | IEC 61643-21 / EN 61643-21                      |
| Part number                                                                           |        |                                                 |
| 640153                                                                                |        |                                                 |

