



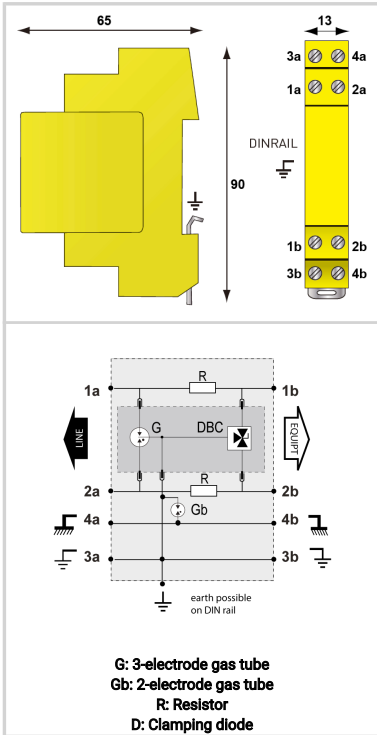
CITEL

1-pair DIN rail plug-in Data surge protector

DLA-48DBC



- Discover our latest innovation : the [DLA-48D3](#)
- 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 | | Fipway, WorldFIP, FieldBus-h2 |
| Nominal line voltage | Un | 48 V |
| Max. DC operating voltage | Uc | 53 Vdc |
| Max. frequency | f max. | 20 MHz |
| Insertion loss | | < 1 dB |
| Max. load current @25°C | IL | 300 mA |
| Max. discharge current <i>max. withstand @ 8/20 μs by pole</i> | I _{max} | 20 kA |
| Nominal discharge current <i>C2 Category</i> | I _n | 5 kA |
| Protection Level <i>C3 (10/1000μs), 300 applications@10 A, Y-Y (Line/Line)</i> | Up | 75 V |
| Protection Level <i>C3 (10/1000μs), 300 applications@10 A, Y-C (Line/Earth)</i> | Up | 75 V |
| Impulse current <i>2 x 10/350μs Test - D1 Category</i> | I _{imp} | 5 kA |
| Line resistance (± 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 ² |
| 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-48DBC |
| Dimensions | | See diagram |
| Standards | | |
| Standards compliance | | IEC 61643-21 / EN 61643-21 |
| Environmental standards | | EU RoHS |
| Part number | | |
| 640421 | | |

