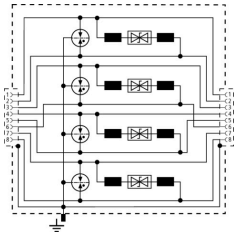
# DPA M CLE RJ45B 48 (929 121)

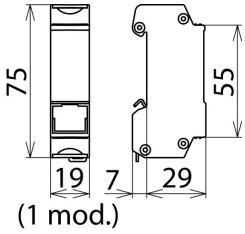
- Ideally suited for retrofitting, protection of all lines
- Cat. 6 in the channel (class E)
- Power over Ethernet IEEE 802.3 compliant (up to PoE++ / 4PPoE)
- For installation in conformity with the lightning protection zone concept at the boundaries from $0_B$ –2 and higher




Figure without obligation



Basic circuit diagram DPA M CLE RJ45B 48




Dimension drawing DPA M CLE RJ45B 48

Universal arrester for Industrial Ethernet, Power over Ethernet (IEEE 802.3 compliant up to PoE++ / 4PPoE) and similar applications in structured cabling systems according to class E up to 250 MHz. Protection of all pairs by means of powerful gas discharge tubes and one adapted filter matrix per pair. Fully shielded type with sockets for DIN rail mounting.

| Type<br>Part No. | DPA M CLE RJ45B 48<br>929 121 |
|---|---|
| SPD class | TYPE 2 P1 |
| Nominal voltage ($U_N$) | 48 V |
| Max. continuous operating voltage (d.c.) ($U_c$) | 48 V |
| Max. continuous operating voltage (a.c.) ($U_c$) | 34 V |
| Max. continuous operating voltage (d.c.) pair-pair (PoE) ($U_c$) | 57 V |
| Nominal current ($I_L$) | 1 A |
| D1 Lightning impulse current (10/350 µs) per line ($I_{imp}$) | 0.5 kA |
| C2 Nominal discharge current (8/20 µs) line-line ($I_n$) | 150 A |
| C2 Nominal discharge current (8/20 µs) line-PG ($I_n$) | 2.5 kA |
| C2 Total nominal discharge current (8/20 µs) ($I_n$) | 10 kA |
| C2 Nominal discharge current (8/20 µs) pair-pair (PoE) ($I_n$) | 150 A |
| Voltage protection level line-line for $I_n$ C2 ($U_P$) | ≤ 180 V |
| Voltage protection level line-PG for $I_n$ C2 ($U_P$) | ≤ 500 V |
| Voltage protection level line-line for $I_n$ C2 (PoE) ($U_P$) | ≤ 600 V |
| Voltage protection level line-line at 1 kV/µs C3 ($U_P$) | ≤ 180 V |
| Voltage protection level line-PG at 1 kV/µs C3 ($U_P$) | ≤ 500 V |
| Voltage protection level pair-pair at 1 kV/µs C3 (PoE) ($U_P$) | ≤ 600 V |
| Cut-off frequency ($f_G$) | 250 MHz |
| Insertion loss at 250 MHz | ≤ 3 dB |
| Capacitance line-line (C) | ≤ 30 pF |
| Capacitance line-PG (C) | ≤ 25 pF |
| Operating temperature range ($T_U$) | -40 °C ... +80 °C |
| Degree of protection | IP 10 |
| For mounting on | 35 mm DIN rails acc. to EN 60715 |
| Connection (input / output) | RJ45 socket / RJ45 socket |
| Pinning | 1/2, 3/6, 4/5, 7/8 |
| Earthing via | 35 mm DIN rail acc. to EN 60715 |
| Enclosure material | zinc die-casting |
| Colour | bare surface |
| Test standards | IEC 61643-21 / EN 61643-21 |
| Approvals | CSA, UL |
| External accessories | fixing material |
| Weight | 109 g |
| Customs tariff number (Comb. Nomenclature EU) | 85363010 |
| GTIN | 4013364118935 |
| PU | 1 pc(s) |

We reserve the right to introduce changes in performance, configuration and technology, dimensions, weights and materials in the course of technical progress. The figures are shown without obligation.