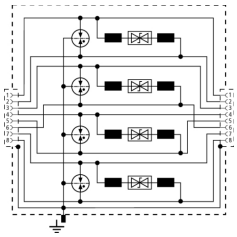
# DPA M CLE RJ45B 48 (929 121)

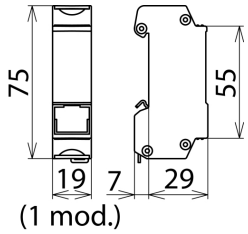
- Ideally suited for retrofitting, protection of all lines
- Cat. 6 in the channel (class E)
- Power over Ethernet IEEE 802.3 compliant (up to PoE++ / 4PPoE)
- For installation in conformity with the lightning protection zone concept at the boundaries from $0_B$ –2 and higher



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 (up to 1 Gbit Ethernet).

| 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) line-PG ($I_n$) | 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 / UL 497B |
| Approvals | CSA, UL, GHMT, EAC |
| 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.