

## DPA M CLE RJ45B 48 (929 121)

Ideally suited for retrofitting, protection of all lines

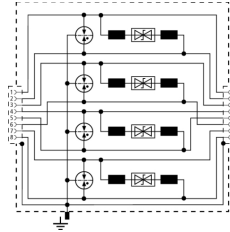
Cat. 6 in the channel (class E)

Power over Ethernet (PoE+ according to IEEE 802.3at)

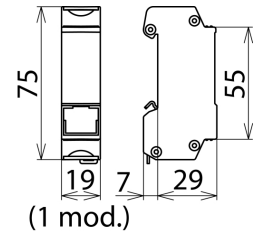
For installation in conformity with the lightning protection zones concept at the boundaries from  $O_b -2$  and higher



Figure without obligation



Basic circuit diagram DPA CLE



Dimension drawing DPA CLE

Universal arrester ideally suited for Industrial Ethernet, Power over Ethernet (PoE+ acc. to IEEE 802.3at up to 57 V) 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 adapter filter matrix per pair. Fully shielded adapter with sockets for DIN rail mounting.

Accessories: Earthing bracket with flat connector sleeve

| Type   | DPA M CLE RJ45B 48               |
|--|----------------------------------|
| Part No.   | 929 121                          |
| SPD class  | <b>TYPE 2 Pt</b>                 |
| Nominal voltage ( $U_N$ )  | 48 V                             |
| Max. continuous operating d.c. voltage ( $U_c$ )                       | 48 V                             |
| Max. continuous operating a.c. voltage ( $U_c$ )                       | 34 V                             |
| Max. continuous d.c. voltage pair-pair (PoE) ( $U_c$ )                 | 57 V                             |
| Nominal current ( $I_n$ )  | 1 A                              |
| C2 Nominal discharge current (8/20 $\mu$ s) line-line ( $I_n$ )        | 150 A                            |
| C2 Nominal discharge current (8/20 $\mu$ s) line-PG ( $I_n$ )          | 2.5 kA                           |
| C2 Total nominal discharge current (8/20 $\mu$ s) line-PG ( $I_n$ )    | 10 kA                            |
| C2 nominal discharge current (8/20 $\mu$ s) pair-pair (PoE) ( $I_n$ )  | 150 A                            |
| Voltage protection level line-line for $I_n$ C2 ( $U_p$ )              | $\leq 190$ V                     |
| Voltage protection level line-PG for $I_n$ C2 ( $U_p$ )                | $\leq 600$ V                     |
| Voltage protection level line-line for $I_n$ C2 (PoE) ( $U_p$ )        | $\leq 600$ V                     |
| Voltage protection level line-line at 1 kV/ $\mu$ s C3 ( $U_p$ )       | $\leq 180$ V                     |
| Voltage protection level line-PG at 1 kV/ $\mu$ s C3 ( $U_p$ )         | $\leq 500$ V                     |
| Voltage protection level pair-pair at 1 kV/ $\mu$ s C3 (PoE) ( $U_p$ ) | $\leq 600$ V                     |
| Insertion loss at 250 MHz  | $\leq 3$ dB                      |
| Capacitance line-line (C)  | $\leq 30$ pF                     |
| Capacitance line-PG (C)  | $\leq 25$ pF                     |
| Operating temperature range  | -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, GOST                    |
| Accessories  | fixing material                  |
| PU   | 1 pc(s)                          |
| Weight   | 123,000 g                        |
| Customs tariff number  | 85366910                         |
| GTIN   | 4013364118935                    |

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.