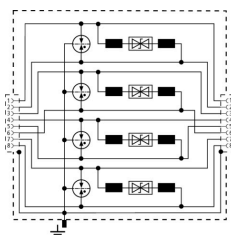


## DPA M CLE RJ45B 48 (929 121)

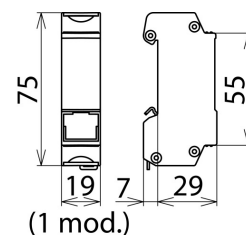
- Ideally suited for retrofitting, protection of all lines
- Cat. 6 in the channel (class E)
- Power over Ethernet IEEE 802.3 compliant (up to PoE++ / 4PPoE)
- For installation in conformity with the lightning protection zone concept at the boundaries from  $0_B -2$  and higher



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	DPA M CLE RJ45B 48
Part No.	929 121
SPD class	<b>TYPE 2 P1</b>
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 $\mu$ s) per line ( $I_{imp}$ )	0.5 kA
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) ( $I_n$ )	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 ( $U_p$ )	$\leq 180$ V
Voltage protection level line-PG for $I_n$ C2 ( $U_p$ )	$\leq 500$ 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
Cut-off frequency ( $f_c$ )	250 MHz
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 ( $T_U$ )	-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 497B
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.