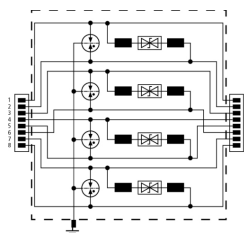


## DPA M CAT6 RJ45S 48 (929 100)

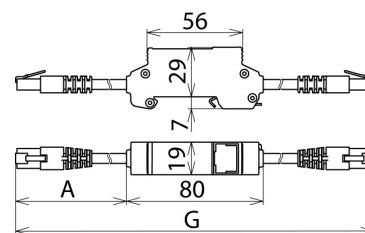
- Ideally suited for retrofitting, protection of all lines
- CAT 6A in the channel according to ANSI/TIA/EIA-568
- Power over Ethernet (PoE+ according to IEEE 802.3at)
- For installation in conformity with the lightning protection zones concept at the boundaries from  $O_B -2$  and higher



Figure without obligation



Basic circuit diagram DPA M CAT6 RJ45S 48



Dimension drawing DPA M CAT6 RJ45S 48

Universal arrester for Industrial Ethernet, Power over Ethernet (PoE+ according to IEEE 802.3at up to 57 V) and similar applications in structured cabling systems according to Cat. 6 and class E<sub>A</sub> up to 500 MHz. Fully shielded type for DIN rail mounting.

Accessories: Earthing bracket with flat connector sleeve

Type	DPA M CAT6 RJ45S 48
Part No.	929 100
SPD class	TYPE 2 P1
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 ( $I_L$ )	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 ( $U_p$ )	$\leq 145$ 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	$\leq 2$ dB
Capacitance line-line (C)	$\leq 165$ pF
Capacitance line-PG (C)	$\leq 255$ pF
Operating temperature range	-20°C ...+60°C
Degree of protection	IP 20
For mounting on	35 mm DIN rails acc. to EN 60715
Connection (input/output)	RJ45 connecting lead / RJ45 connecting lead
Pinning	1/2, 3/6, 4/5, 7/8
Connecting lead	A = approx. 0.5 m, G = approx. 3 m <sup>1)</sup>
Connector	Stewart 39 series
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
Transmission class according to ISO/IEC 11801	Cat. 6
Transmission class according to EN 50173-1	Class E <sub>A</sub>
Transmission class according to ANSI/TIA/EIA-568	cat. 6A in the channel
Approvals	GHMT, GOST
Accessories	fixing material
Weight	244 g
Customs tariff number	85363010
GTIN	4013364102170
PU	1 pc(s)

<sup>1)</sup> Special lengths on request

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.