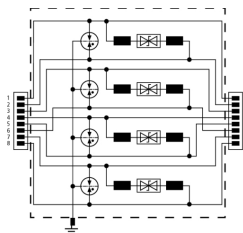


## DPA M CAT6 RJ45S 48 (929 100)

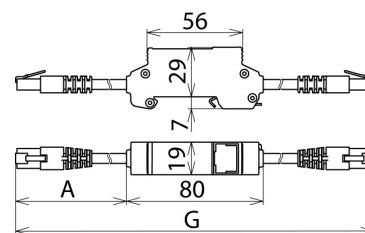
- Ideally suited for retrofitting, protection of all lines
- CAT 6A in the channel according to ANSI/TIA/EIA-568
- Power over Ethernet (PoE+ according to IEEE 802.3at)
- For installation in conformity with the lightning protection zone concept at the boundaries from  $0_B -2$  and higher



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 <sub>N</sub> )	48 V
Max. continuous operating voltage (d.c.) (U <sub>c</sub> )	48 V
Max. continuous operating voltage (a.c.) (U <sub>c</sub> )	34 V
Max. continuous operating voltage (d.c.) pair-pair (PoE) (U <sub>c</sub> )	57 V
Nominal current (I <sub>N</sub> )	1 A
D1 Lightning impulse current (10/350 μs) per line (I <sub>imp</sub> )	1 kA
C2 Nominal discharge current (8/20 μs) line-line (I <sub>n</sub> )	150 A
C2 Nominal discharge current (8/20 μs) line-PG (I <sub>n</sub> )	2.5 kA
C2 Total nominal discharge current (8/20 μs) line-PG (I <sub>n</sub> )	10 kA
C2 Nominal discharge current (8/20 μs) pair-pair (PoE) (I <sub>n</sub> )	150 A
Voltage protection level line-line for I <sub>n</sub> C2 (U <sub>p</sub> )	≤ 190 V
Voltage protection level line-PG for I <sub>n</sub> C2 (U <sub>p</sub> )	≤ 600 V
Voltage protection level line-line for I <sub>n</sub> C2 (PoE) (U <sub>p</sub> )	≤ 600 V
Voltage protection level line-line at 1 kV/μs C3 (U <sub>p</sub> )	≤ 145 V
Voltage protection level line-PG at 1 kV/μs C3 (U <sub>p</sub> )	≤ 500 V
Voltage protection level pair-pair at 1 kV/μs C3 (PoE) (U <sub>p</sub> )	≤ 600 V
Cut-off frequency (f <sub>c</sub> )	250 MHz
Insertion loss at 250 MHz	≤ 2 dB
Capacitance line-line (C)	≤ 165 pF
Capacitance line-PG (C)	≤ 255 pF
Operating temperature range (T <sub>U</sub> )	-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 line / RJ45 connecting line
Pinning	1/2, 3/6, 4/5, 7/8
Connecting line	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
Approvals	GHMT, EAC
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
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.