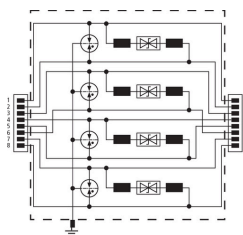


## DPA M CAT6 RJ45S 48 (929 100)

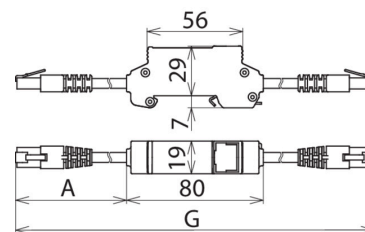
- Ideally suited for retrofitting, protection of all lines
- CAT 6A in the channel according to ANSI/TIA/EIA-568
- Power over Ethernet IEEE 802.3 compliant (up to PoE++ / 4PPoE)
- For installation in conformity with the lightning protection zone concept at the boundaries from  $0_B -2$  and higher



Figure without obligation



Basic circuit diagram DPA M CAT6 RJ45S 48



Dimension drawing DPA M CAT6 RJ45S 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 Cat. 6 and class E<sub>A</sub> up to 500 MHz. Fully shielded type for DIN rail mounting.

Type	DPA M CAT6 RJ45S 48
Part No.	929 100
SPD class	TYPE 2 Pt
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) (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
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
External accessories	fixing material
Weight	244 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364102170
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.