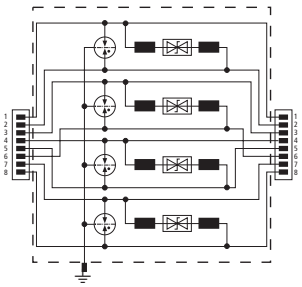
DEHNpatch – Arrester for Data Networks and Ethernet Applications

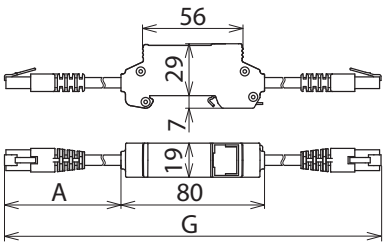
DPA M CAT6 RJ45S 48 (929100)

- 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





Basic circuit diagram



Dimension drawing

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_A up to 500 MHz. Fully shielded type for DIN rail mounting.

Type	**DPA M CAT6 RJ45S 48**
Part No.	**929100**
Technical data	
SPD class	TYPE 2 P1
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_N)	1 A
D1 Lightning impulse current (10/350 µs) per line (I_{imp})	1 kA
D1 Lightning impulse current (10/350 µs) line-PG (I_{imp})	1 kA
C2 Nominal discharge current (8/20 µs) line-line (I_n)	150 A
C2 Nominal discharge current (8/20 µs) line-PG (I_n)	2.5 kA
C2 Nominal discharge current (8/20 µs) pair-pair (PoE) (I_n)	150 A
C2 Total nominal discharge current (8/20 µs) (I_n)	10 kA
Voltage protection level line-line for I_n C2 (U_p)	≤ 190 V
Voltage protection level line-PG for I_n C2 (U_p)	≤ 600 V
Voltage protection level line-line for I_n C2 (PoE) (U_p)	≤ 600 V
Voltage protection level line-line at 1 kV/µs C3 (U_p)	≤ 145 V
Voltage protection level line-PG at 1 kV/µs C3 (Up)	≤ 500 V
Voltage protection level pair-pair at 1 kV/µs C3 (PoE) (U_p)	≤ 600 V
Cut-off frequency (f_G)	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_U)	-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 cable	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_A
Transmission class according to ANSI/TIA/EIA-568	cat. 6A in the channel

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: Tested • NEU: New • !: Discontinued Model
: Cross connector • : Longitudinal connector • : Parallel connector • : T connector • : Clamp for parallel connector • : Clamp for T connector
: Pipe clamp for parallel connector • : Pipe clamp for T connector • : Equipotential bonding bar • : Bridging component

Technical data	
External accessories	fixing material

Masterdata	
Net weight	244 g/pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364102170
PU	1 pc(s)

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.