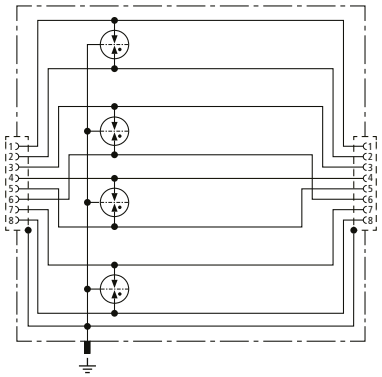
DEHNpatch – Arrester for Data Networks and Ethernet Applications

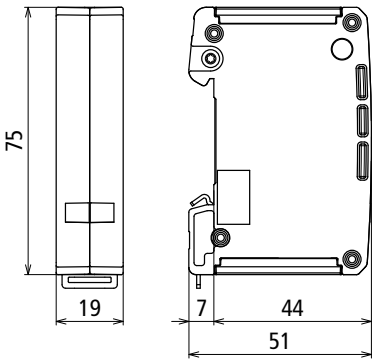
DPA C8 D 4PPOE (929166)

- Ideal for protecting Ethernet applications up to 1 GBit/s
- For use in structured cabling systems according to class D up to 100 MHz
- 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_A – 2





Basic circuit diagram



Dimension drawing

Universal, space-saving lightning current arrester of 19 mm in width and RJ45 connection system for lightning equipotential bonding. Protection of applications in structured cabling according to class S to 100 MHz; e.g. industrial Ethernet, data distributors, digital camera systems, Power over Ethernet (IEEE 802.3 compliant to 4PPoE) and Ethernet-based interfaces in general. Protection of all pairs through powerful gas discharge tubes. Fully shielded adapter design with RJ45 sockets for DIN rail mounting. With additional screw connection on the enclosure for an optional earth connection.

Type	**DPA C8 D 4PPOE**
Part No.	**929166**
Technical data	
SPD class	TYPE 1
Impulse category	D1, C2, C3
Nominal voltage (U_N)	3.3 V
Max. continuous operating voltage (d.c.) (U_c)	3.3 V
Max. continuous operating voltage (d.c.) pair-pair (PoE) (U_c)	58 V
Nominal current (I_N)	1.5 A
D1 Lightning impulse current (10/350 µs) per line (I_{imp})	0.5 kA
C2 Nominal discharge current (8/20 µs) line-line (I_n)	2.5 kA
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)	2.5 kA
C2 Total nominal discharge current (8/20 µs) (I_n)	10 kA
Voltage protection level line-line for I_n C2 (U_p)	≤ 700 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)	≤ 800 V
Voltage protection level line-line at 1 kV/µs C3 (U_p)	≤ 700 V
Voltage protection level line-PG at 1 kV/µs C3 (Up)	≤ 600 V
Voltage protection level pair-pair at 1 kV/µs C3 (PoE) (U_p)	≤ 800 V
Cut-off frequency (f_G)	100 MHz
Capacitance line-line (C)	≤ 10 pF
Capacitance line-PG (C)	≤ 25 pF
Operating temperature range (T_U)	-40°C to +80°C
Degree of protection	IP 20
Mounting	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 DINs rails acc. to EN 60715
Enclosure material	zinc die casting
Colour	bare surface
Test standards	IEC 61643-21 / EN 61643-21

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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	
Approvals	UL 497B

Masterdata	
Net weight	167.47 g/pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364472914
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.