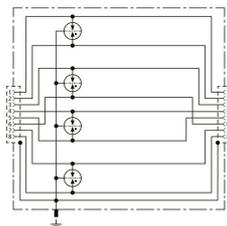


## DPA C8 D 4PPOE (929 166)

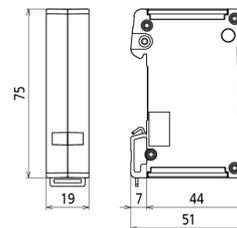
- Ideal for protecting Ethernet applications up to 1 GBit/s
- For use in structured cabling systems according to class D up to 100 MHz
- Power over Ethernet IEEE 802.3 compliant (up to PoE++ / 4PPoE)
- For installation in conformity with the lightning protection zone concept at the boundaries from  $0_A - 2$



Figure without obligation



Basic circuit diagram DPA C8 D 4PPOE



Dimension drawing DPA C8 D 4PPOE

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.	929 166
SPD class	<b>TYPE1</b>
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 ( $I_L$ )	1.5 A
D1 Lightning impulse current (10/350 $\mu$ s) per line ( $I_{imp}$ )	0.5 kA
C2 Nominal discharge current (8/20 $\mu$ s) line-line ( $I_n$ )	2.5 kA
C2 Nominal discharge current (8/20 $\mu$ s) line-PG ( $I_n$ )	2.5 kA
C2 Total nominal discharge current (8/20 $\mu$ s) ( $I_n$ )	10 kA
C2 Nominal discharge current (8/20 $\mu$ s) pair-pair (PoE) ( $I_n$ )	2.5 kA
Voltage protection level line-line for $I_n$ C2 ( $U_p$ )	$\leq 700$ 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) ( $U_p$ )	$\leq 800$ V
Voltage protection level line-line at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 700$ V
Voltage protection level line-PG at 1 kV/ $\mu$ s C3 ( $U_p$ )	$\leq 600$ V
Voltage protection level pair-pair at 1 kV/ $\mu$ s C3 (PoE) ( $U_p$ )	$\leq 800$ V
Cut-off frequency ( $f_c$ )	100 MHz
Capacitance line-line (C)	$\leq 10$ pF
Capacitance line-PG (C)	$\leq 25$ 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
Weight	167 g
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364472914
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.