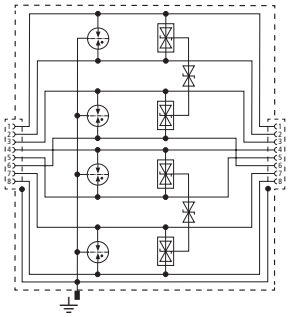
DEHNpatch – Arrester for Data Networks and Ethernet Applications

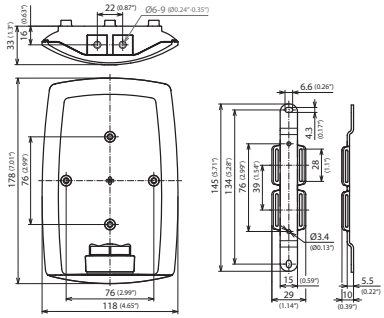
DPA CLE IP66 (929221)

- Indoor / outdoor applications (IP 66)
- GBit Ethernet applications and structured cabling systems according to class E up to 250 MHz
- Power over Ethernet IEEE 802.3 (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 surge arrester for GBit Ethernet applications, Power over Ethernet (IEEE 802.3 compliant up to PoE++ / 4PPoE) and similar applications in structured cabling systems up to class E in indoor and outdoor areas in an IP66 rated enclosure impervious to dust and water. Protection of all pairs with gas discharge tubes and one adapted filter matrix for each pair. Fully shielded surge protective solution with RJ 45 sockets. Universal mounting bracket for pole and wall mounting.
External accessories: Tensioning straps for pole mounting

Type	**DPA CLE IP66**
Part No.	**929221**
Standards	
Certification	UL
UL Standard	UL 497b
UL File Number	E156818
Test values according to UL 497b	
Type (SPD classification)	DPA CLE IP66
Strike voltage Line to Line 100 V/s min.	10 V
Strike voltage Line to Line 100 V/s max.	16 V
Strike voltage Line to Ground 100 V/s min.	70 V
Strike voltage Line to Ground 100 V/s max.	110 V
Technical data	
SPD class	TYPE 2 P1
Nominal voltage (U_N)	5 V
Max. continuous operating voltage d.c. line-line (U_c)	8.5 V
Max. continuous operating voltage (a.c.) (U_c)	6 V
Max. continuous operating voltage (d.c.) pair-pair (PoE) (U_c)	60 V
Nominal current (I_N)	1 A
D1 Lightning impulse current (10/350 µs) per line (I_{imp})	0.8 kA
D1 Total lightning impulse current (10/350 µs) (I_{imp})	4 kA
C2 Nominal discharge current (8/20 µs) line-line (I_n)	400 A
C2 Nominal discharge current (8/20 µs) line-PG (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)	≤ 170 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)	≤ 120 V
Voltage protection level line-line at 1 kV/µs C3 (U_p)	≤ 180 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)	≤ 120 V
Cut-off frequency (f_G)	250 MHz
Operating temperature range (T_U)	-40 °C ... +80 °C

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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	
Degree of protection (with installed cables)	IP 66
For mounting on	pole / wall
Connection (input / output)	RJ45 socket / RJ45 socket
Pinning	1/2, 3/6, 4/5, 7/8
Earthing via	enclosure with pole / wall bracket
Enclosure material	aluminium die-cast, powder-coated
Colour	grey
Test standards	IEC 61643-21 / EN 61643-21
Approvals	UL 497B, CSA
External accessories	Tensioning straps for pole mounting Available separately (part no. 540 200 & 200 039)

Masterdata	
Net weight	606 g/pc(s)
Customs tariff number (Comb. Nomenclature EU)	85363010
GTIN	4013364342866
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.

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