

DEHNpatch

# Protection for Ethernet infrastructure – no ifs or buts.



The new DEHNpatch surge arrester protects the latest generation of Ethernet applications of up to 10 GBit/s and 4PPoE. DEHNpatch ensures a reliable flow of data even after a surge or a lightning strike.

## All the benefits at a glance:

**Effective.** DEHNpatch protects Ethernet infrastructures up to 10 GBit/s and 4PPoE and thus provides effective surge protection for LAN.

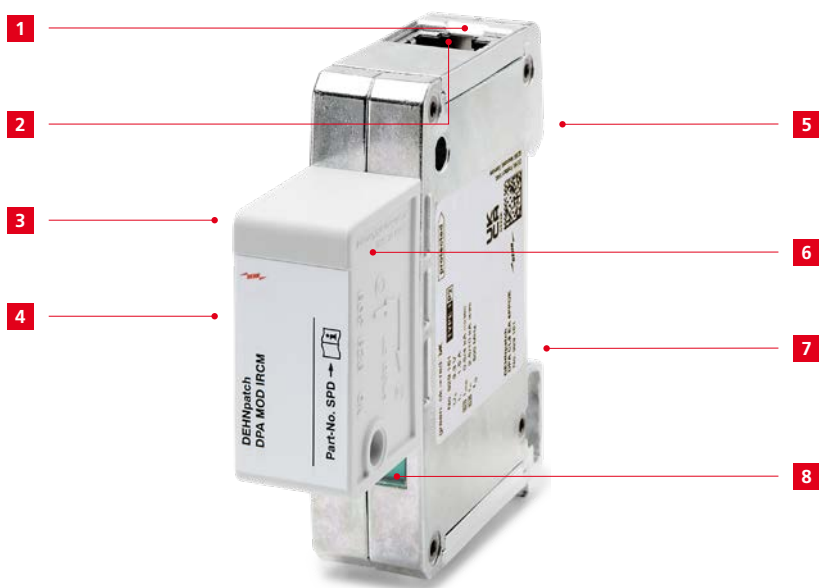
**Uncomplicated.** Green or red: status check at a glance.

**Simple.** Type 1 classification reduces complexity for planning and installation at the lightning protection zones 0<sub>A</sub> - 2 and higher.

**Space-saving.** Space advantage for 19 inch patch rack solutions.

**Automated.** DEHNrecord monitors DEHNpatch and reports arrester failures and malfunctions.

## So slim and yet so innovative.



1. **Ergonomic recess** for the convenient unlocking of the RJ45 patch connection
2. **Up to 10 GBit/s Ethernet** for a performance of up to Class E<sub>A</sub>/500 MHz
3. **Lightning current 4 kA (10/350 μs)** for universal use as a combined arrester
4. **Fully-shielded enclosure design** for all Ethernet applications
5. **Screw connection** for additional equipotential bonding
6. **Optional adapter and DRC IRCM remote signalling unit** for remote monitoring
7. **Earthing contact** for 35 mm DIN rails
8. **Status indication** for visual status recognition

## One protecting and one monitoring.



The new combined lightning current and surge arrester with its optional module adapter and DEHNrecord IRCM remote signalling unit (Part No. 910 710) fulfils all the requirements for remote monitoring. Working as a team with DEHNrecord it monitors DEHNpatch.

In the event of a fault, you automatically receive an alarm indication and can immediately replace the module concerned. Another great example of intelligent protection solutions working in tandem.

### Technical data

	DPA CL8 EA 4PPOE	DPA C8 D 4PPOE
<b>Part No.</b>	<b>929 161</b>	<b>929 166</b>
SPD class	<b>TYPE 1P2</b>	<b>TYPE 1</b>
Max. continuous operating voltage (d.c.) (U <sub>C</sub> )	3,3 V	3,3 V
Max. continuous operating voltage (d.c.) pair-pair (PoE) (U <sub>C</sub> )	58 V	58 V
Nominal current (I <sub>N</sub> )	1,5 A	1,5 A
D1 Lightning impulse current (10/350 μs) per line (I <sub>imp</sub> )	4 kA	4 kA
C2 Total nominal discharge current (8/20 μs) (I <sub>n</sub> )	10 kA	10 kA
Cut-off frequency	500 MHz	100 MHz
Transmission class	E <sub>A</sub>	D
Status indication	yes	no
Arrester accessories for remote signalling, DPA MOD IRCM	yes	no
Optional remote monitoring	910 710	no

### Technical support

Phone: +49 9181 906 1750  
E-Mail: [technik.support@dehn.de](mailto:technik.support@dehn.de)

Technical changes, misprints and errors shall be subject to change without notice. Illustrations are not binding. DS392/EN/1022  
© Copyright 2022 DEHN SE



Learn more about  
DEHNpatch:  
[de.hn/4k1cw](http://de.hn/4k1cw)

