DEHNpatch: Protection for the Ethernet infrastructure

With status check and Ex approval

Now with Ex approval

The DEHNpatch surge arrester protects Ethernet applications up to 10 GBit/s and 4PPoE. This secures the flow of data even after surges or lightning strikes. Maximum performance with full protection: DEHNpatch is the surge protection all-rounder for structured cabling.

Your benefits at a glance:

One of a kind. Practical status check (green or red) at a glance.

Compatible. DEHNrecord monitors DEHNpatch and reports arrester failures and malfunctions.

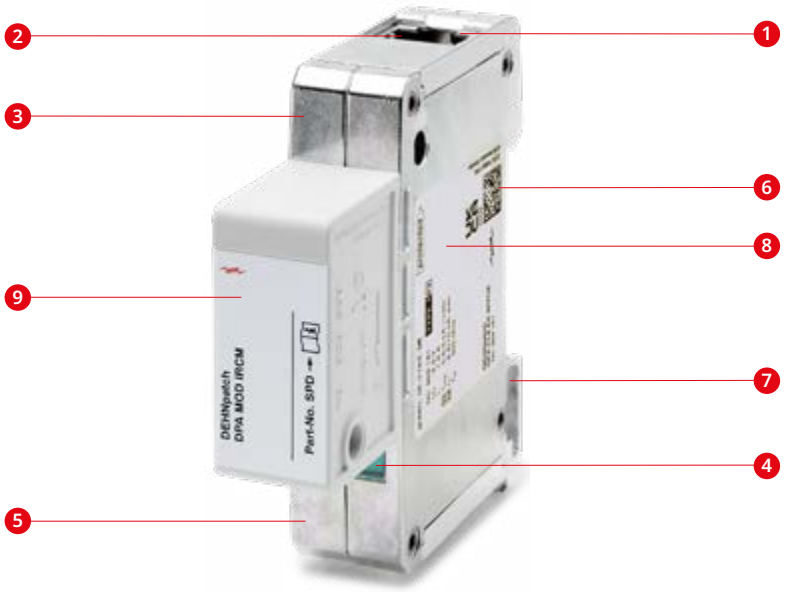
Effective. DEHNpatch protects Ethernet infrastructure up to 10 GBit/s and 4PPoE and thus provides effective surge protection for the LAN.

Ex-certified. Reliable protection in potentially explosive atmospheres.

Powerful. The TYPE 1 classification reduces complexity for planning and installation at the lightning protection zone 0_A – 2 and higher.

Space-saving. The DEHNpatch is optimally designed for racks 19 inches in height.

Technical features at a glance



1. **Ergonomic recess** for convenient release of the RJ45 patch connection.
2. **Up to 10 GBit/s Ethernet**, for a performance up to class E_A/500 MHz.
3. **Universal use** as a combined arrester for lightning currents up to 4 kA (10/350 µs).
4. **Status display** for visual status recognition.
5. **Fully shielded enclosure design** for all Ethernet applications.
6. **Screw connection** for additional equipotential bonding.
7. **Earthing contact** for 35-mm-wide DIN rails.
8. **Ex approval**zone 2
9. **Remote signalling** with optional module adapter and remote signalling unit DRC IRCM

System protection for building automation

The combined 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
Part No.	**929 161**	**929 166**
SPD class	TYPE 1 P2	TYPE 1
Maximum continuous operating DC voltage (U_C)	3.3 V	3.3 V
Maximum continuous operating DC voltage Pa-Pa (PoE) (U_C)	58 V	58 V
Nominal current (I_L)	1.5 A	1.5 A
D1 total lightning current (10/350 µs) (I_{imp})	4 kA	4 kA
C2 Total nominal impulse discharge current (8/20 µs) (I_n)	10 kA	10 kA
Cut-off frequency	500 MHz	100 MHz
Transmission class	E_A	D
Status indication	Yes	No
Arrester accessories for remote signalling, DPA MOD IRCM	929 309	No
Optional remote signalling	910 710	No
Ex approval	Yes	Yes

Technical Support
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Learn more about DEHNpatch: de.hn/4k1cw