





- Self-test ensures proper function
- Easily extendable thanks to plug-in coupling system
- Visual and acoustic signal
- Large combined indicator and operating panel
- One operating concept for voltages from 1 kV up to 420 kV



The PHE4 voltage detector with sufficiently long insulating stick is ideally suited for use in **out-door switching stations.**



The compact design of the PHE4 voltage detector is beneficial in **electrical switchgear assemblies**.



The new generation of PHE voltage detectors according to **IEC 61243-1** for work on electrical installations from 1 to 420 kV allows to verify on all poles that the installation is dead¹⁾.

Safety all along the line

DEHN protects®. For us, the safety and quality of our products and solutions takes top priority. The new generation of PHE4 voltage detectors is further evidence of this.

The proven DEHN voltage detector series is now supplemented by PHE4 products. The design concept is continued. PHE4 voltage detectors also feature the proven plug-in coupling system. Therefore existing DEHN insulating sticks with plug-in coupling system can still be used.

The PHE4 voltage detector has many advantages. The handle and test prod are arranged in a straight line without offset, making it easier to contact the electrical installation. The transparent indicator panel is clearly visible and the test result is easy to read even in difficult light conditions.

More than 50 years of experience with voltage detectors

Our voltage detectors have been standing for quality and safety for decades. Rely on the highest standards and our long-standing experience in developing and manufacturing safety devices for work on electrical installations.



More than 50 years of experience: From the first voltage detector until today.

Stands out due to a variety of advantages PHE4 Voltage Detector





Safety right up to the test prod

The function of the voltage detector must be checked immediately before it is used. In case of the PHE4 voltage detector, this is done with a self-test. If voltage detectors up to 36 kV are used, an electrical pulse is additionally sent up to the test prod. The voltage detector is not operational in the event of a fault.



Proven coupling mechanism

The voltage detector can be quickly and easily extended thanks to the DEHN plug-in coupling system and the snap-in mechanism. Existing DEHN insulating sticks with plug-in coupling system can still be used – sustainably and efficiently.



Reliable indication with both visual and audible outputs

The visual indication and the acoustic signal indicate whether voltage is present. Super-bright LEDs clearly show the voltage condition even in case of strong backlight. The acoustic signal is perceptible also in areas with loud ambient noise.



Good visibility and ease of use

The visual indication is clearly visible on the combined indicator and operating panel. The operating panel can be safely and easily operated even when wearing protective gloves.



Operational in all weather conditions

The PHE4 voltage detector is suitable for indoor and outdoor use in wet weather conditions – rain, hail, snow, fog or dew. It can be used for temperatures between -25 °C and +70 °C.





More operating comfort and safety during live working

Stay true to your line: PHE4 voltage detectors have a proven high quality. The straightforward design and the combined indicator and operating panel facilitate handling. The self-test as well as the visual and acoustic signal increase safety for electricians.

Excerpt from our portfolio:

Voltage detector for nominal voltages up to 33 kV / 50 Hz		Part No.
PHE4 3 S	3 kV	783 003
PHE4 3.3 S	3.3 kV	783 033
PHE4 6 S	6 kV	783 006
PHE4 6.6 S	6.6 kV	783 066
PHE4 10 S	10 kV	783 010
PHE4 11 S	11 kV	783 011
PHE4 20 S	20 kV	783 020
PHE4 22 S	22 kV	783 022
PHE4 30 S	30 kV	783 030
PHE4 33 S	33 kV	783 045
Voltage detector for nominal voltages ranges up to 420 kV / 50 Hz		Part No.
PHE4 3 10 S	3 10 kV	783 231
PHE4 3.3 11 S	3.3 11 kV	783 233
PHE4 6 20 S	6 20 kV	783 235
PHE4 6.6 22 S	6.6 22 kV	783 243
PHE4 10 20 S	10 20 kV	783 240
PHE4 10 30 S	10 30 kV	783 250
PHE4 11 33 S	11 33 kV	783 255
PHE4 30 60 S	30 60 kV	783 270
PHE4 60 110 S	60 110 kV	783 275
PHE4 110 220 S	110 220 kV	783 285
PHE4 220 420 S	220 420 kV	783 290
Voltage detector for nominal voltages up to 30 kV / 50 Hz with gear coupling		Part No.
PHE4 3 S ZK	3 kV	783 103
PHE4 6 S ZK	6 kV	783 106
PHE4 10 S ZK	10 kV	783 110
PHE4 20 S ZK	20 kV	783 120
PHE4 30 S ZK	30 kV	783 130

Technical assistance:

Phone: +49 9181 906-1045 Fax: +49 9181 906-1046 Email: itss@dehn.de

Orders:

Phone: +49 9181 906-1462 Fax: +49 9181 906-1444 Email: sales@dehn.de

More information: www.de.hn/vdetector

Surge Protection Lightning Protection Safety Equipment DEHN protects.

DEHN SE Hans-Dehn-Str. 1 92318 Neumarkt Germany

Phone +49 9181 906-0 Fax +49 9181 906-1100 sales@dehn.de www.dehn-international.com





de.hn/3Pkbe

We accept no liability for technical modifications, misprints and errors. Illustrations are not binding.

DS265/EN/0122

© Copyright 2022 DEHN SE