

PHE Voltage Detector

Nominal voltages up to 30 kV / 50 Hz

- Also for use in wet weather
- Category "S" for indoor and outdoor installations
- With self-testing element
- Visual indicator
- Wide nominal voltage ranges
- Easy transport due to detachable insulating rod



Self-testing element

The PHE electronic voltage detector has an integrated self-testing element that automatically tests the electronic circuit for correct operation (threshold) after switching on the detector. The detector is only ready for operation if the function test was performed successfully.

Replacing the battery

The PHE voltage detector operates on 4 Mignon IEC LR6 batteries housed in a separate battery compartment for easy battery replacement. Low battery conditions are indicated by both LEDs illuminated when switching on the voltage detector.



Before testing for safe isolation from supply voltages, correct operation of the voltage detector must be verified. When pressing the "TEST" button, the red light is flashing.



After releasing the button, the green LED lights up. The test for correct operation was successful and the detector is ready for operation.

SAFETY EQUIPMENT VOLTAGE DETECTORS

EN/IEC 61243-1 (DIN VDE 0682 Part 411)



PHE voltage detector with visual indicator.

Technical Data

Test prod	Glass-fibre reinforced epoxy resin tube, Ø20 mm, grey; Test electrode made of Cu alloy/gal Sn Ø20 mm, with tooth profile for reliable contact, with M8 female thread for attaching electrodes and test probes
Indicator	Plastic, fully insulated, black
Indication	Red LED '⚡' (flashing light); Green LED '0' (permanent light)
Insulating rod	Glass-fibre reinforced polyester tube, Ø30 mm, grey, detachable, with a handguard for safe operation; Sealing unit with non-slip plastic cap
Operating temperature range	- 25° C ... + 55° C, climatic category N



Special features of the switchable detector 3 ... 10 kV / 6 ... 20 kV / 15 ... 30 kV:

The nominal voltage selector switch allows for switching between three voltage ranges. For safety reasons, the detector can only be switched on if the selector is switched to the most sensitive range of 3 kV to 10 kV. A magnetically operated, wear-resistant reed switch changes the switching position. The switch snaps into the selected position and protects against accidental switching.

SAFETY EQUIPMENT

PHE Voltage Detector

VOLTAGE DETECTORS



Type	Nominal voltage U_N	Total length l_G	Insertion depth l_0	Part No.
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A Nominal Voltages up to 30 kV / 50 Hz
 Category "S"

PHE 3 S	3 kV	1115 mm	320 mm	767 403
PHE 6 S	6 kV	1115 mm	320 mm	767 406
PHE 10 S	10 kV	1115 mm	320 mm	767 418
PHE 20 S	20 kV	1300 mm	505 mm	767 428
PHE 30 S	30 kV	1460 mm	665 mm	767 438

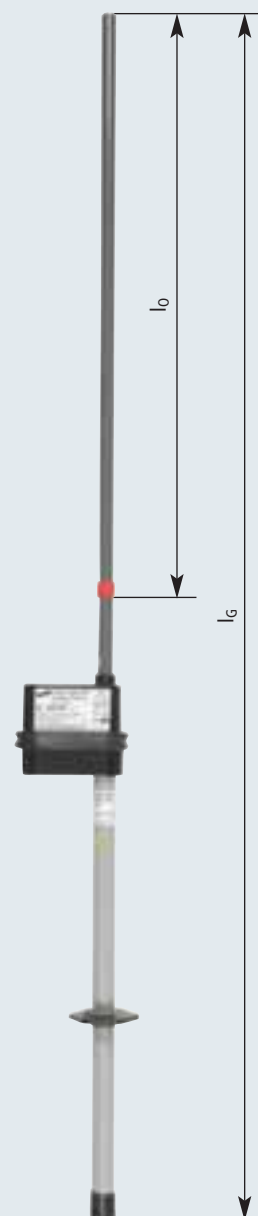
B Nominal Voltage Ranges up to 30 kV / 50 Hz
 Category "S"

PHE 3 10 S	3 ... 10 kV	1375 mm	580 mm	767 410
PHE 6 20 S	6 ... 20 kV	1565 mm	770 mm	767 420
PHE 15 30 S	15 ... 30 kV	1565 mm	770 mm	767 430

C Nominal Voltage Ranges up to 30 kV / 50 Hz, switchable
 Category "S"

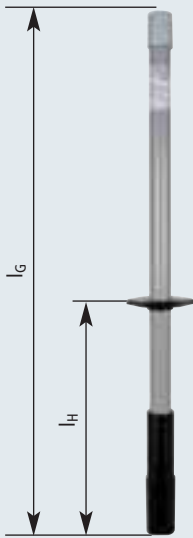
PHE U 3 30 S	3 ... 10 / 6 ... 20 / 15 ... 30 kV	1565 mm	770 mm	767 433
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Voltage detectors for other nominal voltages and frequencies are available on request.



Accessories for PHE Voltage Detector

SAFETY EQUIPMENT VOLTAGE DETECTORS



Insulating Rod with Plug-in Coupling for Handle Extension

Type	Diameter	Total length l_G	Handle length l_H	Part No.
IS M12 STK 640	30 mm	640 mm	370 mm	766 331



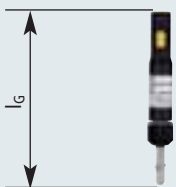
Plugging extension handle type HV STK into insulating rod type IS PHE STK.



HV STK Extension Handle

Plug-in coupling at both ends for extending the handle

Type	Diameter	Total length l_G	Part No.
HV STK 30 710	30 mm	710 mm	766 335



Adapter – Plug-in Coupling / T pin Shaft

For extending the handle of insulating rods type IS PHE with earthing rod type ES SQ or ES SQL

Type	Total length l_G	Part No.
AD HV STK SQ	280 mm	766 313

STK Sealing Unit

Type	Diameter	Total length l_G	Part No.
A STK	30 / 43 mm	85 mm	766 888

new

STK Sealing Unit with Eye

Type	Diameter	Total length l_G	Part No.
AR STK	30 / 43 mm	150 mm	766 889

new



SAFETY EQUIPMENT

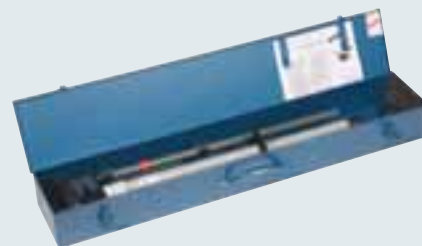
Accessories for PHE Voltage Detector

VOLTAGE DETECTORS

Sheet Metal Case, empty

Hammer-finished with retaining springs

Type	Colour	Dimensions	For PHE total length	Part No.
SKL 92 16 10	●	920 x 160 x 100 mm	up to 1460 mm	766 703
SKL 116 16 10	●	1160 x 160 x 100 mm	from 1460 mm	766 603



Plastic Case, empty

With foam padding

Type	Colour	Dimensions	For PHE total length	Part No.
KKL PHE	●	930 x 215 x 140 mm	up to 1460 mm	766 997
KKL PHE L	●	1270 x 215 x 140 mm	from 1460 mm	766 999



Artificial Leather Bag, empty

With shoulder strap

Type	Colour	Dimensions	Part No.
KLT 121 25 16	●	1200 x 250 x 160 mm	766 601



Artificial Leather Bag, empty

With shoulder strap and shoulder belt

Max. capacity:

- 1 PHE electronic indicator
- 1 Insulating rod
- 2 Extension handles
- 2 Electrodes

Type	Colour	Dimensions	Part No.
KLT 1010 300	●	1010 x 300 x 100 mm	767 996 new



Storage Device

Wall-mounted

Type	Colour	Diameter	Dimensions	Part No.
HV P ST D30	●	30 mm	430 mm	700 007

