


HSA 205 Non-Contact Voltage Detector

Nominal voltage range 1 ... 420 kV / 50 Hz

SAFETY EQUIPMENT

VOLTAGE DETECTORS

based on E DIN VDE 0682 Part 417

- Also for use in wet weather 
- For testing switchgear installations and high-voltage overhead lines for safe isolation from supply voltages without making contact
- Wide nominal voltage range
- With self-testing element
- Visual and acoustic indicator
- Storage bag included in delivery



HSA 205 non-contact voltage detector with insulating cap used in a switchgear installation.

Self-testing element

The electronic HSA non-contact voltage detector has an integrated self-testing element. The self-test is performed automatically after switching on the detector.

Batteries

The HSA non-contact voltage detector operates on a 9 V block battery. This battery is inserted into the battery compartment by releasing the screws and removing the indicator.

Low battery conditions are indicated by a permanent red light and by an additional constant acoustic signal.

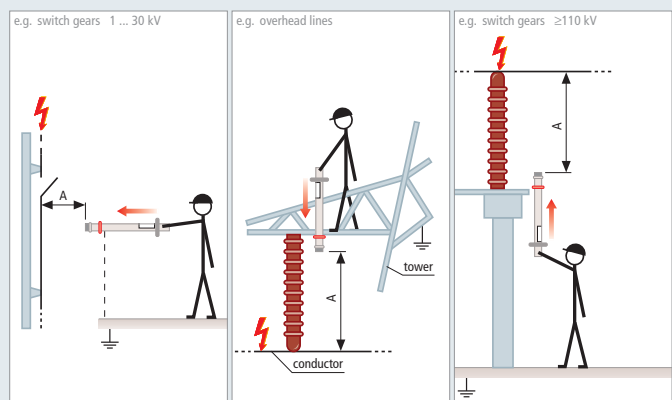
Technical Data

Readiness for operation	Green flashing light and acoustic signal at 2s intervals
Voltage present	Red flashing light and acoustic signal with increased frequency
No voltage present	Green flashing light and acoustic signal at 2s intervals
Insulating rod	Glass-fibre reinforced polyester tube, Ø43 mm, grey, with integrated measuring head as well as operating and indication unit with a green ring for contact indication

Operating temperature range – 25° C ... + 55° C, climatic category N

Selected voltage range	Nominal voltage acc. to DIN VDE 0105 Part 1	Min. safety distance A
Red 1 ... 30 kV	1 up to 6 kV	90 mm indoor installations
	6 up to 10 kV	120 mm indoor installations
	1 up to 10 kV	150 mm outdoor installations
	10 up to 20 kV	220 mm indoor and outdoor installations
	20 up to 30 kV	320 mm indoor and outdoor installations
White 30 ... 220 kV	30 up to 45 kV	480 mm indoor and outdoor installations
	45 up to 60 kV	630 mm indoor and outdoor installations
	60 up to 110 kV	1100 mm indoor and outdoor installations
Yellow 110 ... 420 kV	110 up to 220 kV	2100 mm indoor and outdoor installations
	220 up to 420 kV	2900/3400 mm indoor and outdoor installations

Minimum distances A according to nominal voltage.



Application notes

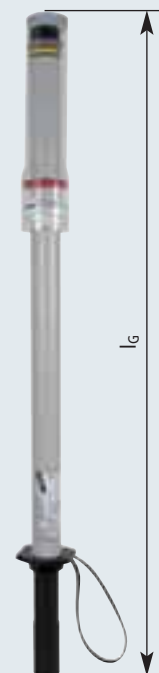
The operating head of the HSA 205 non-contact voltage detector is fitted with a yellow switching ring which is used to set the required nominal voltage range, either 1 to 30 kV, 30 to 220 kV or 110 to 420 kV.

The transparent insulating cap must be used for the voltage range 1 to 30 kV. Provided that the insulating tube and cap of the non-contact voltage detector is in a dry and clean condition, the minimum distance A can be reduced for nominal voltages up to 30 kV. If these conditions cannot be ensured, the minimum distance A must be maintained!

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Type	Nominal voltage U_N	Total length l_G	Part No.
A HSA 205 with Plug-in Coupling Plug-in coupling for handle extension Storage bag and insulating cap included in delivery.			
HSA205 U 1 420 STK	1 ... 30 / 30 ... 220 / 110 ... 420 kV	950 mm	767 552

HSA 205 voltage detectors with Lithium batteries and non-contact voltage detectors for other nominal voltages and frequencies are available on request.

NOTE: This HSA 205 non-contact voltage detector may not be sold in Germany!

Accessories for HSA 205 Non-Contact Voltage Detector

Insulating Cap

For HSA 205 within nominal voltage range 1 ... 30 kV

Type	Colour	Dimensions	Part No.
IK HSA205	transparent	Ø60 x 310 mm	767 559



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

Artificial Leather Bag, empty

With shoulder strap

Type	Colour	Dimensions	Part No.
KLT 98 9	●	Ø85 x 980 mm	767 531



Storage Device

Wall-mounted

Type	Colour	Diameter	Dimensions	Part No.
HV P ST D40 45	●	40 ... 45 mm	530 mm	700 008

