

SAFETY EQUIPMENT

VOLTAGE DETECTORS

ASP Non-Contact Voltage Detector Kit

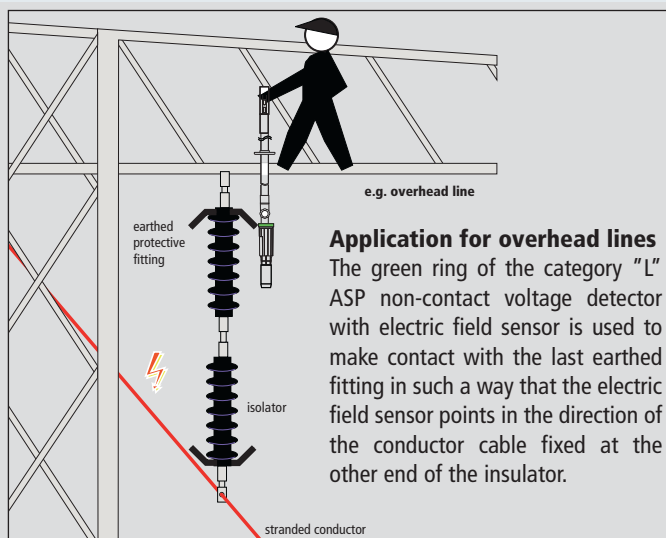
Nominal voltage range 110 ... 420 kV / 50 Hz




ASP non-contact voltage detector used in an outdoor switching station.

Technical Data

| | |
|-----------------------------|--|
| Indicator | Plastic, fully insulated, black |
| Electric field sensor | Plastic, black |
| Insulating rod | Glass-fibre reinforced polyester tube, Ø30 mm, grey, with a handguard and hand strap for safe operation; Sealing unit with plug-in coupling for extending the handle |
| Indicator | Visual: LED display and Acoustic: Intermittent acoustic signal |
| Readiness for operation | Visual: permanent green light |
| Voltage present | Visual: Red flashing light and Acoustic: Intermittent acoustic signal |
| No voltage present | Visual: permanent green light |
| Operating temperature range | -25° C ... +55° C |



- For use in wet weather 
- For overhead lines and outdoor switching stations
- With self-testing element
- Visual and acoustic indication
- Fast battery replacement without the use of additional tools

Self-testing element

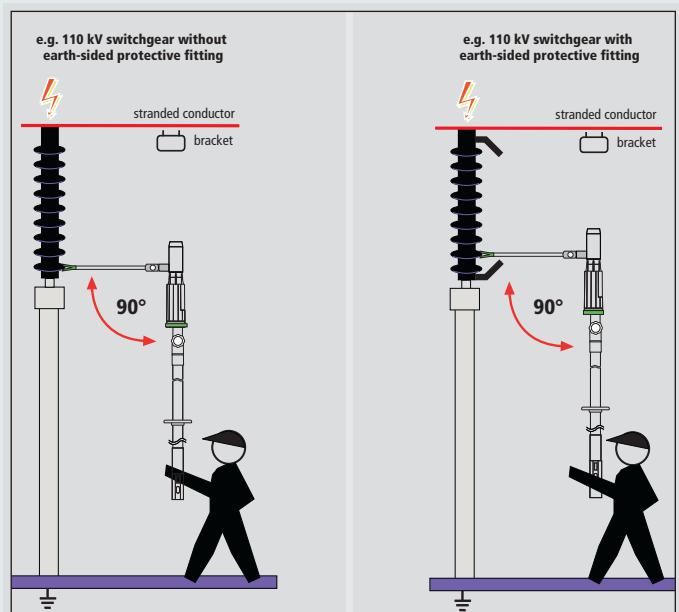
The ASP electronic indicator has an integrated self-testing element that automatically tests the electronic circuit for correct operation (threshold) after switching on the indicator.

Category "S" and "L"

Category "S" voltage detectors can only be used in outdoor installations. Category "L" voltage detectors can only be used for overhead lines. Category "S" / "L" voltage detectors can be used in both outdoor installations and for overhead lines.

Replacing the battery

The 9 V E block battery can easily be replaced by hand without the need for additional tools. By simply unscrewing the plastic nut, access is allowed for fast and easy replacement. Low battery conditions of the ASP indicator are indicated by both LEDs illuminated and an acoustic signal when switching on the detector.



Application in outdoor switching stations

The green ring of the category "S" ASP non-contact voltage detector with electric field sensor is used to make contact with the lowest insulator plate at a right angle.

If a protective fitting is located on the earth side, contact is made at the next possible insulator plate above the protective fitting.

ASP Non-Contact Voltage Detector Kit

SAFETY EQUIPMENT VOLTAGE DETECTORS



| Type | Version | Nominal voltage | | Part No. |
|------|---------|-----------------|----------|----------|
| | | U_N | Category | |

A Non-Contact Voltage Detector Kit, ASP 110 ... 420 kV

Category "L" for overhead lines

| Pos. | Qty. | Type | Description | Part No. |
|------|------|------------------|--|----------|
| 1 | 1 | ASP A 110 420 ZK | ASP indicator | 767 570 |
| 2 | 1 | EFS L 127 | Electric field sensor, Category "L" overhead lines | 767 576 |
| 4 | 1 | IS ZK STK HS 670 | Insulating rod with hand strap | 766 369 |
| 5 | 1 | KLT 104 9 | Artificial leather bag, empty | 767 574 |

ASP 110 420 L Non-contact voltage detector kit, complete 110 ... 420 kV L **767 571** new



B Non-Contact Voltage Detector Kit, ASP 110 ... 420 kV

Category "S" for outdoor switching stations

| Pos. | Qty. | Type | Description | Part No. |
|------|------|------------------|---|----------|
| 1 | 1 | ASP A 110 420 ZK | ASP indicator | 767 570 |
| 3 | 1 | EFS S 167 | Electric field sensor, Category "S" outdoor switching station | 767 577 |
| 4 | 1 | IS ZK STK HS 670 | Insulating rod with hand strap | 766 369 |
| 5 | 1 | KLT 104 9 | Artificial leather bag, empty | 767 574 |

ASP 110 420 S Non-contact voltage detector kit, complete 110 ... 420 kV S **767 572** new



C Non-Contact Voltage Detector Kit, ASP 110 ... 420 kV

Category "S / L" for overhead lines and outdoor switching stations

| Pos. | Qty. | Type | Description | Part No. |
|------|------|------------------|---|----------|
| 1 | 1 | ASP A 110 420 ZK | ASP indicator | 767 570 |
| 2 | 1 | EFS L 127 | Electronic field sensor, Category "L" overhead lines | 767 576 |
| 3 | 1 | EFS S 167 | Electronic field sensor, Category "S" outdoor switching station | 767 577 |
| 4 | 1 | IS ZK STK HS 670 | Insulating rod with hand strap | 766 369 |
| 6 | 1 | KLT 1010 300 | Artificial leather bag, empty | 767 996 |

ASP 110 420 S L Non-contact voltage detector kit, complete 110 ... 420 kV S / L **767 573** new

Voltage detectors for other nominal voltages and frequencies as well as indicators with permanent light and acoustic signal instead of flashing light and intermittent signal are available on request.

See next page for single parts related to the ASP non-contact voltage detector kit.

SAFETY EQUIPMENT VOLTAGE DETECTORS

Single Parts for ASP Non-Contact Voltage Detector

ASP Indicator

Category "S" and "L"

| Type | Nominal voltage | | Total length | | Part No. |
|------------------|-----------------|----------|--------------|----------|----------|
| | U_N | Category | l_G | Position | |
| ASP A 110 420 ZK | 110 ... 420 kV | S / L | 230 mm | 1 | 767 570 |

new



Electric Field Sensor

| Type | Category | Total length | | Part No. |
|-----------|----------|--------------|----------|----------|
| | | l_G | Position | |
| EFS L 127 | L | 127 mm | 2 | 767 576 |
| EFS S 167 | S | 167 mm | 3 | 767 577 |

new

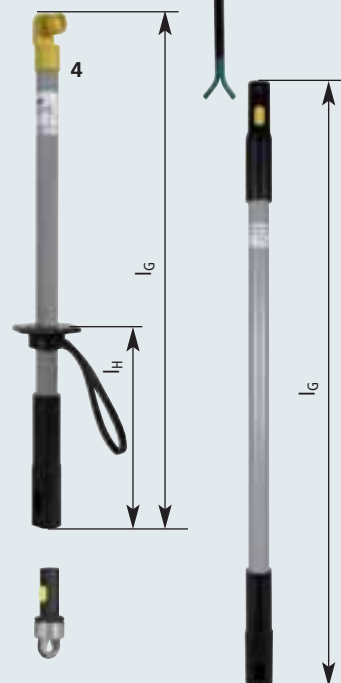


Insulating Rod with Universal Gear Coupling and Hand Strap

Sealing unit with plug-in coupling for extending the handle

| Type | Total length | Handle length | | Part No. |
|------------------|--------------|---------------|----------|----------|
| | l_G | l_H | Position | |
| IS ZK STK HS 670 | 670 mm | 265 mm | 4 | 766 369 |

new



HV STK Extension Handle

Plug-in coupling at both ends for extending the handle

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

STK Sealing Unit with Eye

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

new

Artificial Leather Bag, empty

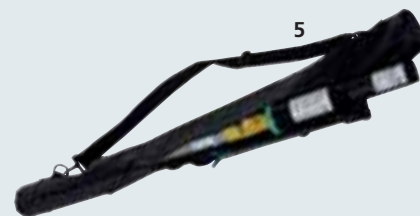
With zip and shoulder strap

Max. capacity:

- 1 ASP indicator
- 1 Insulating rod
- 1 Electric field sensor

| Type | Colour | Dimensions | | Position | Part No. |
|-----------|--------|------------|---------|----------|----------|
| | | Width | Height | | |
| KLT 104 9 | ● | Ø85 | 1040 mm | 5 | 767 574 |

new



Artificial Leather Bag, empty

With shoulder strap and shoulder belt

Max. capacity:

- 1 ASP indicator
- 1 Insulating rod
- 2 Extension handles
- 2 Electric field sensors (S and L)

| Type | Colour | Dimensions | | Position | Part No. |
|--------------|--------|------------|--------------|----------|----------|
| | | Width | Height | | |
| KLT 1010 300 | ● | 1010 | 300 x 100 mm | 6 | 767 996 |

new

