Voltage detectors - DTCIER/P type - for HV power installations

SR EN 61243-1

Code: DTCIER/P 110 kV / DTCIER/P 220-400 kV

The DTCIER/P 110 kV and DTCIER/P 220-400 kV voltage detectors are designed for the inspection of the presence/absence of voltage by direct contact with elements of indoor and outdoor **high voltage power installations**, in dry or wet weather conditions.

Voltage detectors – **DTCIER/P** type – have housings made of red transparent polycarbonate, a material with excellent mechanical and dielectric properties.
On the lower part, the detector is completed with an **"hexagon 12" rod**, allowing its connection with an appropriate telescopic insulating sticks provided with hexagonal coupling system.

Voltage detectors – **DTCIER/P** type – are in a permanent **"stand-by" state**.

The **control panel** contains:
- **test button** for checking the electronic circuit;
- **acoustic signalling buzzer**;
- **four bright red LEDs**;
- **one high luminosity green LED**.

Prior and after each use, voltage detectors **DTCIER/P** type must be functionally tested by pressing the test button, as this check includes the test of the electronic circuits and the appropriate charging level of the battery.
The **"ready for operation" period of detector is signaled by** the **green LED**, for two minutes.

After performing the operational test, the detector attached to an appropriate insulating stick is brought closer to the conductor until the detector's electrode gets in contact with checked conductor.
If the conductive element is **live**, the detector will indicate this by **bright red flashing signals** and high intensity **acoustic intermittent signals** (more than 90 dB (A)), both perceptible in unfavorable environmental conditions: noisy area and strong light.

For store and transport, the voltage detector DTCIER/P type is packed in plastic box.

DETAIL
OPTICAL SIGNALLING

DTCIER/P 110 kV

DTCIER/P 220-400 kV

Detector type	DTCIER/P 110 kV	DTCIER/P 220-400 kV
Rated operating voltage (kV)	110	220 ÷ 400
Operating temperature range (°C)	-25 ...+55	-25 ...+55
Supply	9 V alkaline battery type 6LR61	
Overall size - without contact electrode (mm)	Ø 78 x 165	Ø 78 x 165
Overall size - with contact electrode (mm)	Ø 78 x 380	Ø 78 x 380
Detector weight with battery (kg)	0,530	0,530