

sofamel



Product Technical Specifications

ELECTRONIC VOLTAGE DETECTOR WITH POLE Medium voltage - Optical & Acoustic

Functionality

Electronic voltage detector with microcontroller and direct contact detection.

Its function is to detect the voltage by direct contact to indicate to the operator if there is an electric field, and to ensure that the area is safe for work.

Product Features

The presence of voltage is indicated by a bright red LED and a high acoustic pressure buzzer.

The absence of voltage is indicated by a bright green LED.

Low battery is indicated by an orange LED.

Indoor and outdoor use by means of included insulating pole suitable for the voltage range of the detector. Coupling to the pole by means of a Universal head.

Climatic category N, climatic conditions of use and storage, temperature from -25°C to $+55^{\circ}\text{C}$, humidity from 20% to 96%.

MODEL	NOMINAL VOLTAGE	THRESHOLD VOLTAGE	FREQUENCY	TYPE	POLE LENGTH
VTE-5/36-P	5 a 36 kV	1.8 kV $<V_t < 2.4$ kV	50/60 Hz	Capacitive	1,30m
VTE-5/66-P	5 a 66 kV	1.8 kV $<V_t < 2.4$ kV			2m



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Electrical Characteristics

Detector:

Class L detector, detector without extension of the contact electrode.

Indication group 3, tester with warning status and active "voltage presence" indication.

It has a self-checking system for the complete circuit by pressing the test button.

Auto-ignition with voltage presence.

Automatic shutdown to standby mode after two minutes with absence of voltage. In this mode the consumption is less than 1 μ A. Stops working when the battery is low.

Power supply: 9V alkaline battery, model 6LR61 (included).

Pole:

Single-span maneuvering pole made of polyester and fiberglass tube \varnothing 32 mm with anti-humidity seals at both ends, hand guard, handle and tip.

Certificates

Manufactured according to standard:

IEC 61243:2003+A1:2009: Live working. Voltage detectors: Capacitive type to be used for voltages higher than 1kV in alternating current.

UNE-EN 61243-1:2006+A1:2011 (except voltage range): Live working. Voltage detectors. Part 1: Capacitive type detectors for use with voltages higher than 1kV in alternating current.

