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Product Technical Specifications

ELECTRONIC VOLTAGE DETECTOR

High 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 be able to guarantee that the area is safe for work.

Product Features

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

The absence of voltage is indicated by green LED of high luminosity.

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

Climate category N, climate conditions for use and storage, temperature from -25°C to +55°C, humidity from 20% to 96%.

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MODEL	RATED VOLTAGE	THRESHOLD VOLTAGE	FREQUENCY	TYPE
VTA-63/150-U*	63 a 150 kV	15 kV <Vt< 28,35 kV		
VTA-66/220-U*	66 a 220 kV	22 kV <Vt< 29,7 kV		
VTA-90/225-U*	90 a 225 kV	22 kV <Vt< 40,5 kV	50/60 Hz	Capacitive
VTA-150/420-U*	150 a 420 kV	42 kV <Vt< 67,5 kV		
VTA-45/420-U	45 a 420 kV	13,5 kV <Vt< 20,25 kV		
VTA-225/420-U	225 a 420 kV	42 kV <Vt< 101,25 kV		

Electrical Features

Detector class L, detector without contact electrode extension.

Indicators group 3, detector with alert state and indicator of "Voltage presence".

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

Autoignition with presence of voltage.

Automatic shutdown in standby mode after two minutes with no voltage. In this mode the consumption is less than 1 μA. It stops working when the battery is low.

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

Certified

*According to the Standards:
IEC 61243:2003+A1:2009
UNE-EN 61243-1:2006+A1:2011