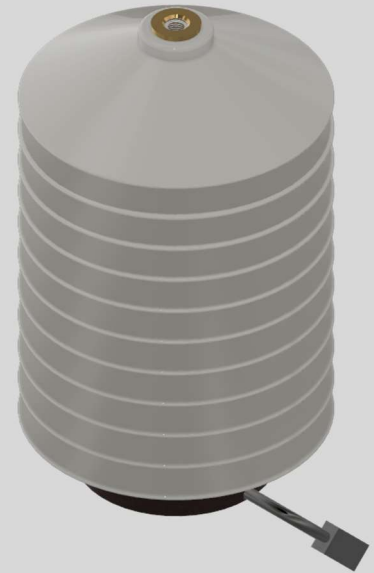


TECHNICAL DATA SHEET

Standard – Line Sensors

Voltage sensor
T240L-xx

**Non-conventional -
instrument voltage transformer**
Air insulated switchgears



Description

The voltage sensor for air insulated switchgears, is designed according the IEC-standard to meet maximum compatibility on the market. This product is designed for use in conjunction with devices, which are build according the standard. The outer shape of the voltage sensor consists of silicon material to withstand all environmental conditions and sustain long term stability.

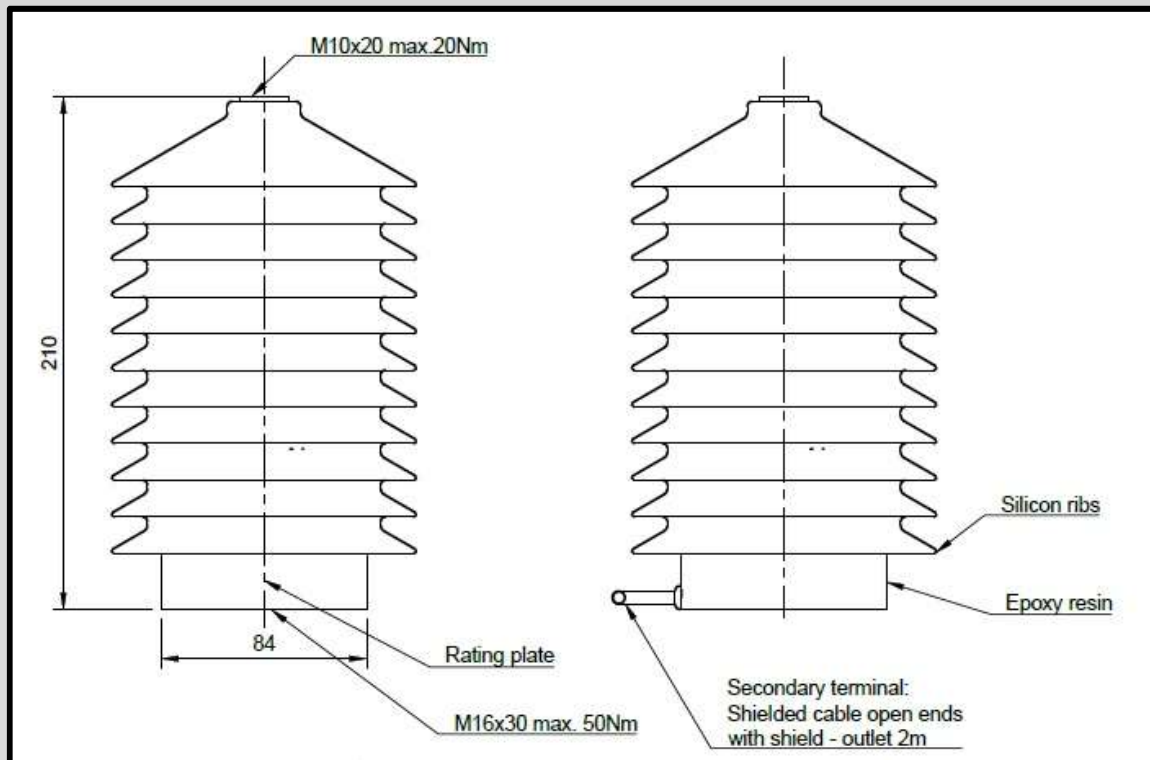
Features

- No calibration on Site is needed
 - Accuracy class according IEC61869-11: 0,2/0,5/1/3 & 3P/6P
 - Hybrid casting technology
 - Internal screening for neighbour phase electric field immunity
 - Accuracy over complete lifetime
-

Dimensions

The single screw installation on the bottom of the product (M16x30mm), makes it easy to install the voltage sensor with one working step. The dimension is typically designed according design rules for 24kV under strictly consideration of creepage distances for indoor type products.

The inner core of the product consists of solid epoxy resin to sustain against bending forces.

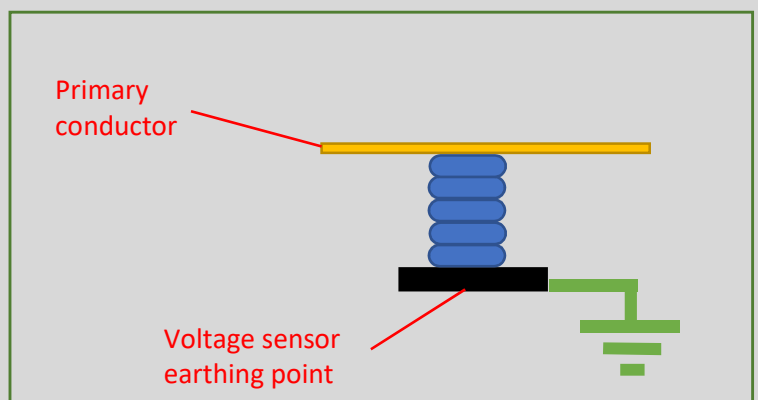


Installation

The air insulated voltage sensor is used inside switchgears, usually on the place where either a surge arrester is mounted or as an exchange for a post pone insulator

There are some important points that must be considered during the installation process:

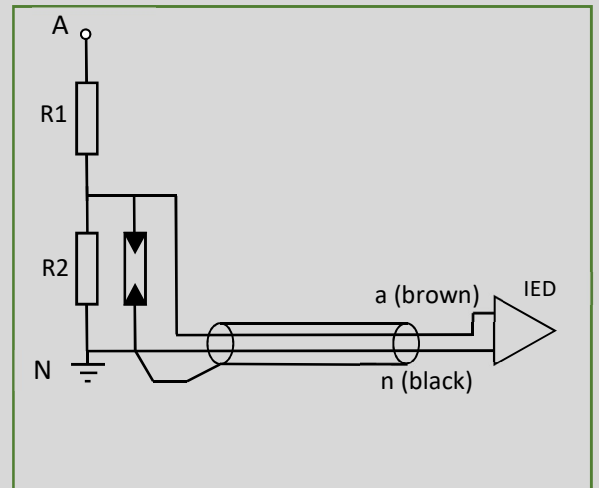
- Always power down before installation
- Due to the design of this product, there is no danger of product damage, if the sensor is short circuited and the sensor is connected to earth



The support rail, where the sensor is mounted must be earthed adequately!

Connection

The voltage sensor is directly connected to a measurement device. Contact Vendor for a list of compatible devices. 3 Voltage sensors should be used for each device.



Specification

Applied Standards:	IEC61869-11
Primary voltage:	20000/ $\sqrt{3}$ V*
Voltage factor	1,9*Un for 8h
Secondary output:	3,25/ $\sqrt{3}$ V*
Burden:	200k Ω \pm 1%, <1nF*
Insulation level:	24/50/125kV
Accuracy classes:	0,2/0,5/1/3 & 3P/6P according IEC61869-11
Operating temperature range:	-40°C to +80°C
Storage temperature range:	-40°C to +80°C
Frequency:	50 or 60Hz*
Overvoltage protection:	Internal surge arrester
Cable:	2pole, shielded, twisted pair, 2m, open ends (brown-a, black-n)*
* or customer defined	

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