

# EVD Capacitive Voltage Indicator

## Technical Catalogue



### Description

EVD capacitive voltage indicators are used for detecting potential on bus bars off medium-voltage cubicles.

### Applications

EVD capacitive voltage indicators are used

in modular medium voltage cubicles and panels.

### Features

Wide operation range (1kV-52kV)

Separate led display for three phase

Test point (Three phase - ground)

Compatible with IEC 61243-5 standards

## Operating Principles and Technical Specifications

EVD capacitive voltage indicators work together with capacitive dividers in medium voltage cubicles. The potential indicating leds are separate for each phase and designed compatible with the IEC-61243-5 standards. According to this:

$U > \%45 U_n$  there is potential in the bus bar and the leds are flashing.

$U < \%10 U_n$  there is no potential in the bus bar and the leds are not flashing.

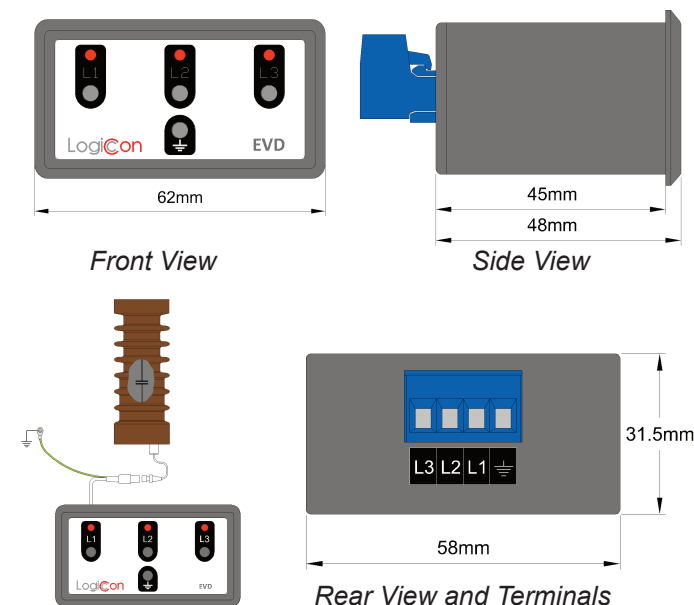
In order to work in accordance with the applied standards the applied voltage and capacitance value of capacitive voltage divider insulators must be specified in the order. Test points are available for each phase and the ground on the front panel.

Operation Voltage Range	1kV-52kV
Supply Power	None
Protection	90V Surge Arrester
Display	3 Phase Led
Test Points	3 Phase + Ground
Operating Temperature	-10°C+ 85°C
Dimensions gxyxd (mm)	58x32x43
Weight (kg)	0.04
Degree of Protection	IP20

## Safety Instructions and Precautions

1. The installation and commissioning must be done by qualified electrical staff.
2. Do not work with live conductors.
3. Do not use the module in external, humid and wet environment.
4. It is recommended to use coaxial cable with the device.

## Installation and Operation



1. Open a cross section with size shown in the figure for assembling the device.
2. The device is inserted to the panel from front side and tightened via the fixing apparatus.
3. The device connections are done to the terminals located at rear according to given sequence.
4. When the bus bar is powered the leds on the front side will flash.

## Ordering Information

E V D - 3 6 - 2 0

Operation Voltage (kV)

Isolator Capacitance (pF)

## Warranty Terms and Conditions

Elektrolojik Energy Tech. Ltd. Co. warrants a trouble free operation of the EVD device within 24 months from the date of sale, on condition that following terms are provided:

- the proper connection and operation

- the safety of the quality control seal
- the integrity of case, no trace of opening, cracks, spalls etc.

The warranty shall not apply to malfunctions or damages resulting from accidents or user supplied faults.

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