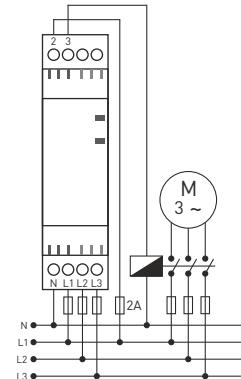


## General

Phase protection relays are designed to prevent faults caused by the mains of three-phase motors operating in phase order.

## Connection Diagram



## Usage and Working Principle of the Device

Make the connections according to the diagram.

**Normal Operation (No Error):** When the phases are at normal values and the phase sequence is correct, the relay gets activated and the OUT LED is on.

**Asymmetry Error:** When any phase goes out of the normal range, the **ERR LED** is off and the relay deactivated.

**Phase sequence reverse [Phase Sequence Error]:** The phase sequence error LED (囗) lights steady, the OUT LED is off and the relay gets deactivated.

Relay is Activated: 2 (COM) and 3 (NO) short circuit.

Relay is De-activated: 2 (COM) and 3 (NO) open circuit.

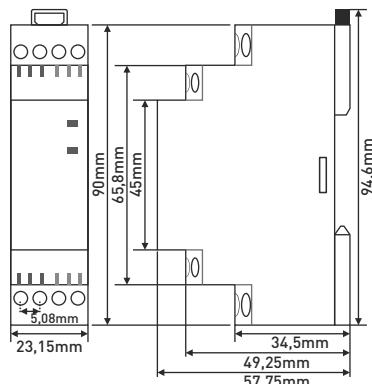
## Maintenance

Switch off the device and release from connections. Clean the trunk of device with a swab. Don't use any conductor or chemical might damage the device. Make sure device works after cleaning.

## Warnings

- Please use the device according to the manual.
- Don't use the device in wet. Include a switch and circuit breaker in the assembly.
- Put the switch and circuit breaker nearby the device, operator can reach easily.
- Mark the switch and circuit breaker as releasing connection for device.

## Dimensions



## Technical Specifications

Operating Volt. (Un)	: 3 x 380V AC ve neutral
Operating Freq.	: 50/60 Hz.
Operating Power	: <6VA
Operating Temp.	: -20°C.....+55°C
Tolerance (Asymmetry)	: ~%40
Contact	: 5A 250V AC Resistive Load
Display	: 3x LED
Mounting	: Mounted on DIN rail
Weight	: <150gr.
Operating Altitude	: <2000m
Cable Diameter	: 2.5mm <sup>2</sup>