

General


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

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 () 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.

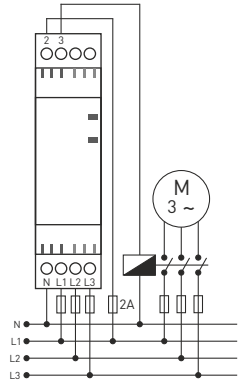
Maintenance

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.

Connection Diagram



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	: 2,5mm²

Dimensions

