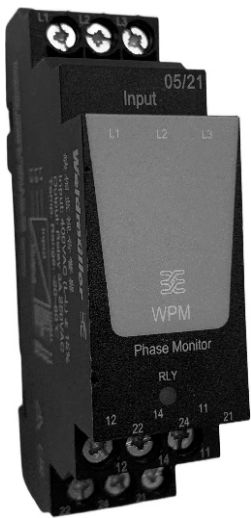


# Phase Monitor

WPM-VMR-3PH-PH-A 2797880000



## Safety instructions

	<b>DANGER</b>
	For safe installation and safe operation the following must be observed: <ul style="list-style-type: none"><li>• The device may only be installed by qualified personnel familiar with the national and international laws, directives and standards that apply to this region.</li><li>• Until the device is installed, do not connect hazardous voltages to the device.</li><li>• In applications where hazardous voltage is connected to in-/outputs of the device, sufficient spacing or isolation from wires, terminals and enclosure to surroundings (incl. neighbouring devices), must be ensured to maintain protection against electric shock.</li></ul>
	<b>WARNING</b>
	<ul style="list-style-type: none"><li>• Prior to installation, commissioning and maintenance of the device, the related safety regulations, technical specifications and operating instructions must be observed.</li><li>• Avoid direct sunlight, dust, high temperatures, mechanical vibrations and shock as well as rain and heavy moisture.</li><li>• All devices can be used for Measurement Category II and Pollution Degree 2. The device is designed to be safe at least under an altitude up to 2000 m.</li><li>• The device is provided with field wiring terminals and shall be supplied from a power supply having double or reinforced insulation. A power switch should be easily accessible and close to the device. The power switch shall be marked as the disconnecting unit for the device.</li><li>• When disconnected, the device may be cleaned with a cloth moistened with distilled water.</li></ul>
	<b>CAUTION</b>
	<ul style="list-style-type: none"><li>• Appropriate safety measures against electrostatic discharge (ESD) are to be considered when handling the devices.</li></ul>

## Introduction

The module monitors the status of the Phase in three-phase power supply system. A relay with changeover contact is used for the switching output. The relay acts while the monitored parameters are normal; the relay resets while the monitored parameters are abnormal. The input and output are galvanically isolated between each other.

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## Specification

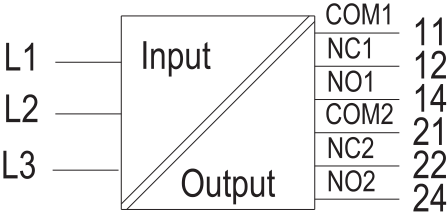
Channel: 1  
Input:  
Input signal: 3-Phase  
Input range: 400V AC(L-L) ± 15%  
Input frequency:48Hz~63Hz  
  
Output:  
Contacts of relay:2 set of individual SPDT  
Max Switching voltage: 250VAC/30VDC  
Continuous current: 3A @ 250VAC/30VDC  
Mechanical endurance :1x10<sup>7</sup>  
Alarm mode: Phase Loss

Insulation Coordination:  
Standards:EN61010  
EMC standards: IEC61000-6-2,IEC61000-6-4  
Rated voltage: 300VAC  
Impulse withstand voltage: 4000V(1.2/50us)  
Isolation voltage:2000VAC, 1min, 50Hz  
Overvoltage category: II  
Pollution degree:2

General Data:  
Operating temperature: -20 ~ +60°C  
Storage temperature: -40 ~ +85°C  
Humidity: 0 ~ 85%, Tu=40°C, no condensation  
Indicator:  
LED RLY: Green, Relay closed

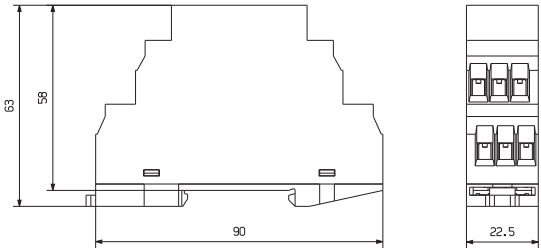
Approval: CE

## Wiring

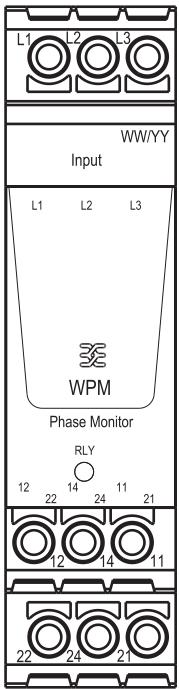


## Dimensions

HeightxLengthxWidth : 90 x 63 x 22. 5(mm)

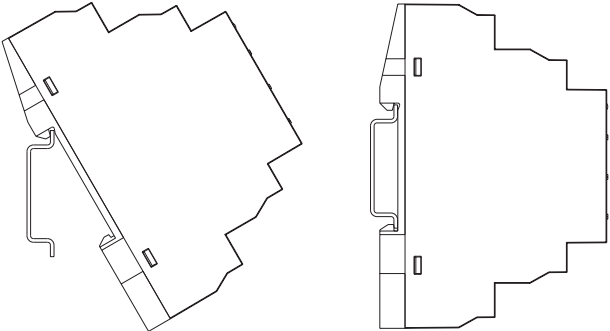


## Front cover and terminal definition

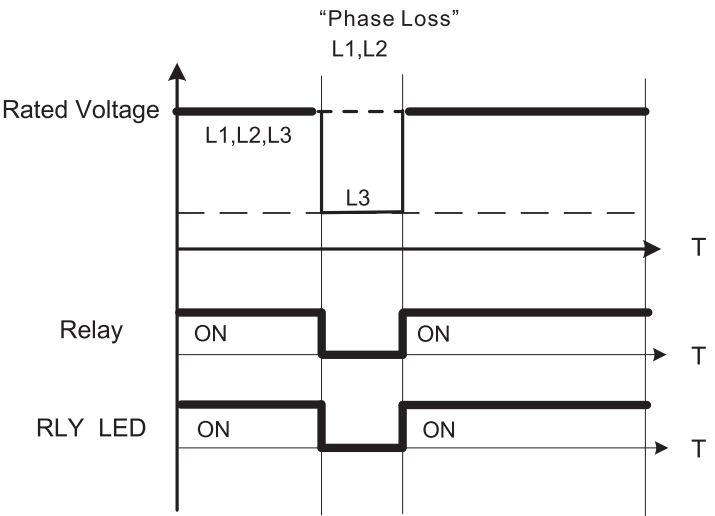


## Installation

The product is designed to be mounted onto a TS 35 DIN rail. It clips onto the rail via a spring-loaded mounting foot and can be removed via a spring release on the edge of the product near the mounting rail.



## Working sequence drawing



## Maintenance

- (1)Before powering the isolator, make sure the models type is correct according to the design and the application environmental conditions.
- (2)Please choose the power supply with short circuit protection function.
- (3)After the electronic products have been powered for more than fifteen minutes, the temperature of them should be stable.
- (4)It is strictly prohibited to test the insulation capability between any two terminals of the product by a mega-ohmmeter. All of the connecting wires of the isolator must be disconnected, before testing the Insulation of the system, otherwise internal components will be destroyed.
- (5)Each product has been tested strictly and the quality is controlled rigidly. If you have any questions regarding this product, contact the nearest distributor or our company technical support hotline directly for assistance.
- (6)In 12 months from delivery date, if the product works improperly in the process of normal usage, we will repair or replace it without charge.