

# UF2

## Phase monitoring relay

### Main features

Phase sequence and failure control relay in three-phase systems without neutral.

Controls the presence of all the three phases and their correct sequence.

Takes the measurement directly from its own power supply.

The relay operates when the three phases are present and its sequence is correct, lighting up the green ON pilot.

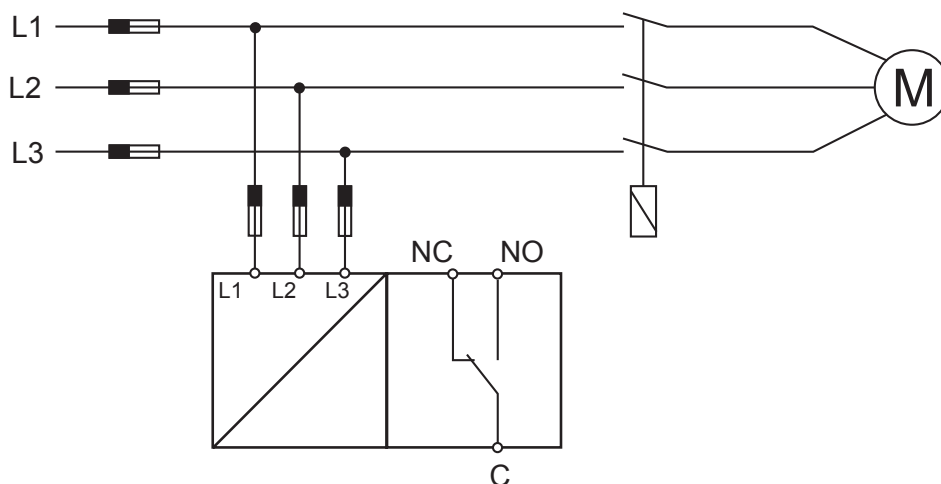
The relay trips when any of the phases lacks or there is a change in their sequence, lighting up the red ALARM pilot.

Mounting on DIN rail (module width: 17.5 mm).

Output type: single pole changeover relay (8A/SPDT).



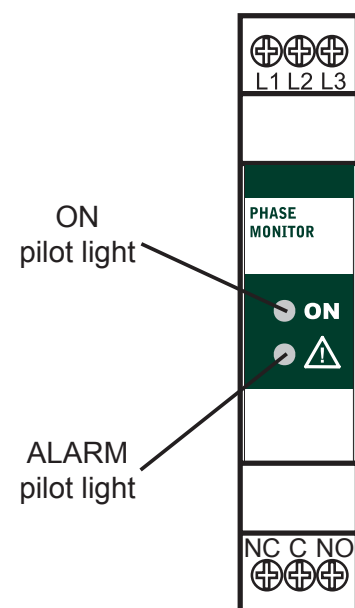
### Wiring connections



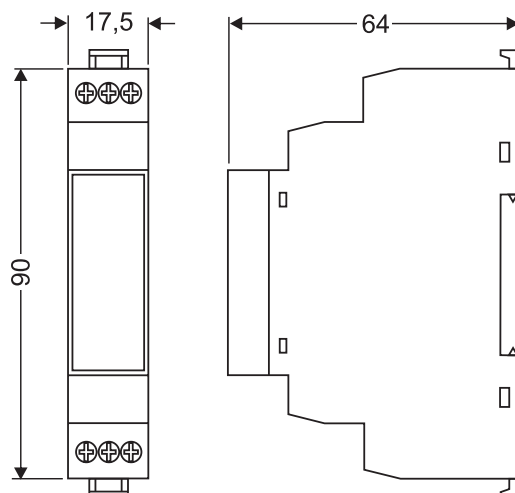
#### Warning!

CHECK THE CONNECTIONS BEFORE STARTING THE EQUIPMENT. A WRONG WIRING CAN INVOLVE DANGER OF ELECTROCUTION.

### Front panel layout



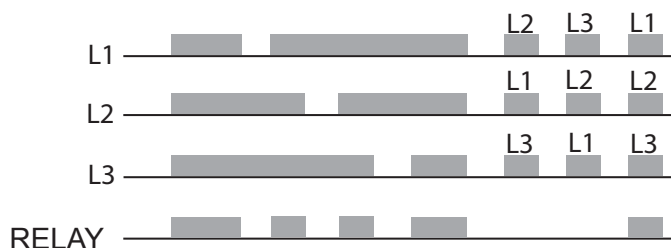
## Dimensions (mm)



## Technical specifications

LED status indication	ON (green) & ALARM (red)
Supply voltage	3x184...440Vac - 50/60Hz
Permissible voltage fluctuations	+10% / -20%
Power consumption	2VA
Maximum cross-section area	2,5mm <sup>2</sup>
Breaking capacity	8A - 250VAC - SPDT
Operating temperature range	-20 to +60°C - RH <95%
Storage temperature range	-30 to +80°C
Relay - on delay	<100ms
Relay - off delay	<300ms
Measurement stabilization time	5 minutes
Protection	IP20
Weight	58g

## Operating principle diagram



The relay operates when all the phases are present and their sequence is correct (during normal operation the relay is normally activated).

The relay trips when any of the phases lacks or their sequence changes.

### TOSCANO LINEA ELECTRONICA, S.L.

Autovía A-92, Km. 6,5 - 41500 - Alcalá de Guadaira - SEVILLA - SPAIN  
Ph. +34 954 999 900 - Fax. +34 95 425 93 60 / 70  
www.toscano.es - info@toscano.es

Customer Service  
+34 954 999 900  
(Spain)



**toscano**

Company certified ISO9001 and ISO14001 by Bureau Veritas