



# 3 Phase Surveillance-Modules

## MRPU

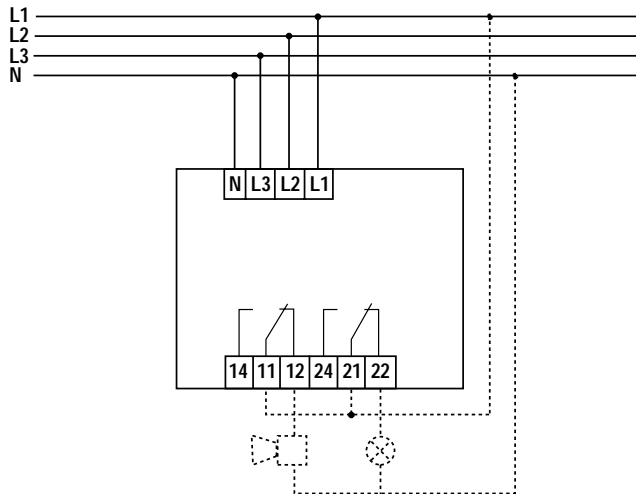
### Technical Data

Nominal voltage: 230/400 VAC, 50-60 Hz  
 Operating value: 0,85 x system voltage  
 Switching hysteresis: About 5 %  
 Power consumption: 4 VA  
 Relay: 2 changeover contacts  
 Switching power: 250 VAC / 1250 VA  
                     24 VDC / 120 W  
                     220 VDC / 30 W  
 Indicator light: Extinguishes in the event of a power failure.  
 Ambient temperature: -10°C bis +50°C  
 Terminals are at choice, see how to order.

Dimensions:  
 Height above the housing edge:  
 without cover: 25 mm / 0.98 in  
 with cover: 51 mm / 2.00 in  
 (total height plus 30 mm)  
 Length: 45 mm / 1.77 in  
 Width: 90 mm / 3.54 in

### Description

With the three-phase system monitoring module, both a.c. and three-phase systems can be monitored for falling below a set value. The set value is adjusted to 85% of the rated voltage. The module can monitor a maximum of three random phases, each conducting a voltage of 230 V AC against zero. The closed-circuit working electronics activates a relay (two changeover contacts) on reaching the adjusted limiting values. Depending on the particular application, changeover to safety devices can take place isolated. The delay (ON/OFF) of about 500ms prevents the electronics from operating if the set value is briefly not reached. This module is not suitable for neutral loads. For monitoring of only one phase, L1, L2 and L3 will have to be bridged.



### Options

⊗ Customer specified designs.

### Order Table

Number of change-over contacts per relay: 2 → <b>B</b>	Terminals Input: Type 150A-111 with 2x2,5 mm <sup>2</sup> → <b>M</b> Optional available: (A,B,G,R,S)	Terminals Output: Type 150A-111 with 2x2,5 mm <sup>2</sup> → <b>M</b> Optional available: (A,B,G,R,S)
Module-Type: <b>MRPU</b>	Relay Mount: soldered → <b>L</b>	Input Voltage (VAC): <b>230</b>
		Housing: Module Housing M-512 w/o cover → <b>Z</b> with cover → <b>H</b>
<b>M R P U B L - 2 3 0 -</b>		
Type-Designation		