

## 3 PHASE OVER/UNDER VOLTAGE RELAY M3US

84873222

Voltage Monitor Relay M3US 3 x 208-480V ac

- Phase control of line voltage
- Wide range input voltage
- 17.5 mm cabinet with DIN rail
- LED indication



### PRODUCT DESCRIPTION

Control relay for monitoring 3-phase networks without neutral. Adjustable switch at the front for adjustment of correct voltage in 3-phase networks. The switch's position is not registered until the operating voltage is switched on. If the switch position is changed during operation, all LEDs (LED indications) begin to flash but the unit will continue to function normally with the voltage that was set at the most recent power connection. Monitors under-voltage between the phases that can be set between -2 % and -20 % of  $U_n$  (measurement voltage) and over-voltage that can be set between 2 % and 20 % of  $U_n$ . Time delay  $T_t$  prevents relay change-over in the event of temporary disturbances and is adjustable between 0.3-30 s. Green LED ( $U_n$ ) indicates supply voltage OK. Yellow LED (R) indicates active relay output.

#### Over-/under-voltage



1: Over-voltage

2: Hysteresis

3: Under-voltage

4: L1, L2, L3

5: Relay

6: Limit value with time delay for over-/under-voltage

### TECHNICAL DATA

#### Approvals

CE, CSA, RoHS, UL

Breaking capacity	5A, 250V AC/DC
Function	Under/Overtovoltage
IP class connection	IP20
IP class housing	IP30
Lower limit	-2 - -20%
Mounting	35 mm DIN-Rail
Output	2x Relay
Selection of rated voltage	208, 220, 380, 400, 415, 440, 480V
Storage temperature max	70 °C
Storage temperature min	-40 °C
Supply voltage	3 x 208-480V AC
Temperature operational max	50 °C
Temperature operational min	-20 °C
Time delay startup	0,5 s
Time delay when exceeding the limit value	0,3-30s
Upper limit	2 - 20%
Weight	80 g

