

## 3 PHASE, PHASE CONTROL MWA

84873024

Phase Monitor Relay MWA 3 x 208-480V ac

- Triggers alarm upon incorrect phase sequence, phase interruption and asymmetry
- Adjustable line voltage
- Measures returned voltage to 70%
- 17.5 mm cabinet with DIN rail



### PRODUCT DESCRIPTION

Control relay for phase monitoring with regeneration of voltage and asymmetry. Adjustable switch at the front for adjustment of correct voltage in 3-phase networks. Voltage switch's position is not registered until the operating voltage is switched on. If the switch position is changed during operation, all LEDs (LED indication) begin to flash but the unit will continue to function normally with the voltage that was set at the most recent power connection. The LEDs return to normal function when the correct voltage is restored. The relay monitors the correct phase sequence between the three phases or if any phase is lacking (measured  $U < 0.7 \times U_n$ ), 70 % of the returned voltage. The asymmetry setting is made at the front between 5 and 15 % (the rated voltage between the phases  $U_n \times$  degree of asymmetry, %). In the event of an asymmetry fault, the relay triggers an alarm (drops out) after the time delay  $T_t$  that is set at the front by the user. Green LED (Un) indicates supply voltage OK. Yellow LED (R) indicates active relay output.

### TECHNICAL DATA

<b>Approvals</b>	CSA, GL, RoHS, UL
<b>Breaking capacity</b>	5A, 250V AC/DC
<b>Function</b>	Phase Sequence, Phase Failure, Asymmetry
<b>IP class connection</b>	IP20
<b>IP class housing</b>	IP30
<b>Mounting</b>	35 mm DIN-Rail
<b>Output</b>	Relay
<b>Selection of rated voltage</b>	208, 220, 380, 400, 415, 440, 480 V
<b>Storage temperature max</b>	70 °C
<b>Storage temperature min</b>	-40 °C
<b>Supply voltage</b>	3 x 208-480V AC
<b>Temperature operational max</b>	50 °C

Temperature operational min	-20 °C
Time delay alarm	0,2 s
Time delay startup	0,5 s
Time delay when exceeding the limit value	0,1-10s
Weight	80 g

