

# Monitor for 3-phase Type PSSW1

## Phase Asymmetry, Phase Sequence, Over- and Undervoltage

### PSSW1



Relays for 3-phase networks type PSSW1 monitor 3-phase networks for phase-sequence, asymmetry and over- and undervoltage.

Applications: Monitoring of 3-phase-networks at heat pumps, compressors or at machines at building sites.

#### Functions:

- Over- and undervoltage, adjustable  $\pm 2-20\%$  (common)
- Asymmetry adjustable 5-15%
- Phase loss
- Phase sequence
- Switching delay adjustable 0,1-12 s (for voltage and asymmetry)
- Bifunctional measuring input 50/60 Hz

#### Displays:

4 LEDs for:

- Over-/undervoltage
- Asymmetry
- Phase-sequence/loss
- State of relay

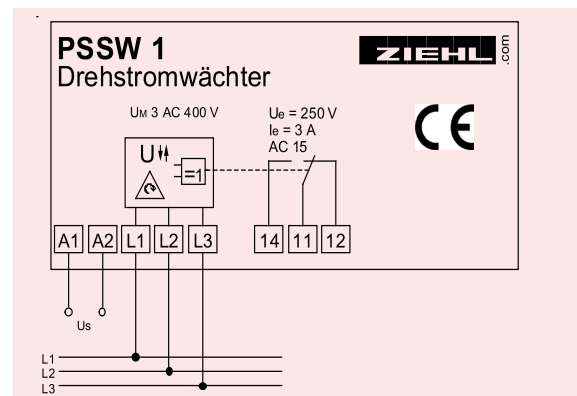
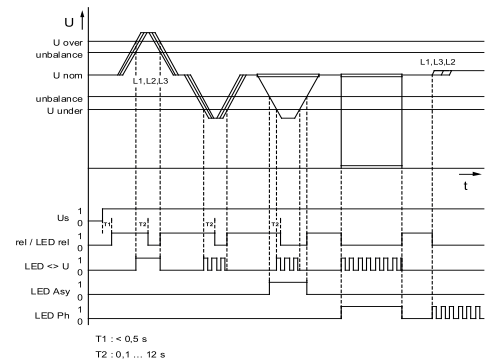
#### Order-numbers:

supply-voltage AC 230 V

**P222525**

supply-voltage AC 400 V

**P222526**



### Technical Data

Rated supply voltage  $U_s$   
Admissible tolerance  $U_s$

AC 230 V, alt. AC 400 V, 50/60 Hz, < 3 VA  
 $\pm 20\%$

Output relay  
Type of contact

1 change-over contact (co)  
**type 2** see "general technical informations"

Test conditions  
Rated ambient temperature range

see "general technical informations"

$-20^\circ\text{C} \dots +55^\circ\text{C}$

Monitoring asymmetry  
Hysteresis  
Switching delay

switching point adjustable 5...15 %  
app. 2 %  
adjustable 0,1...12 s

Loss of voltage  
Hysteresis  
Switching delay

switching point app. 50 %  
app. 5 %  
0,1 s

Under-/overvoltage  
Switching point  
Hysteresis  
Switching delay

measuring voltage 3 AC 400 V  
adjustable  $\pm 2 \dots 20\%$  (common, symmetric)  
app. 1 %  
adjustable 0,1-12 s

Dimensions (h x w x d)  
Attachment  
Protection housing / terminals  
Weight

housing K: 75 x 22,5 x 110 mm  
on 35 mm DIN-rail or with 2 screws M4 (option)  
IP 40 / IP 20  
160 g