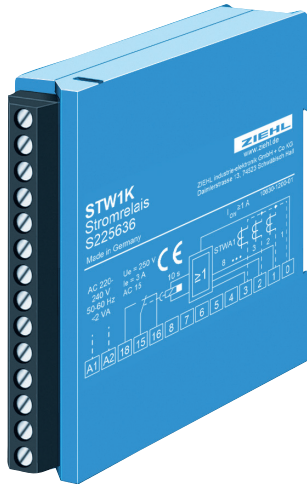


# Current-Relay STW1K

## AC-Detection, OR-Evaluation of 1-8 Transformers

### STW1K



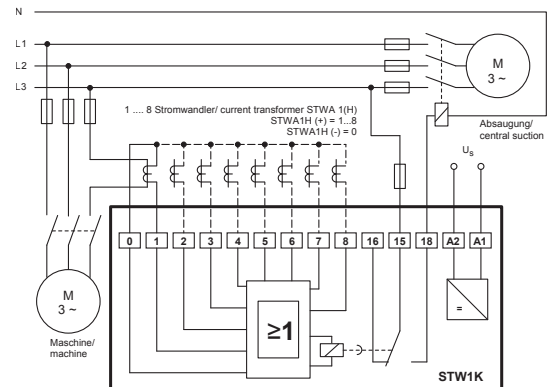
**Part number:**  
**S225636** AC 220-240 V

Current relay in OR evaluation with 8 inputs, designed e.g. for controlling of suction plants in the timber and plastics processing industry.

When there is an AC-current  $>1$  A through one of up to 8 connected transformers STWA1, the integrated relay (1co) picks up. When all currents are 0, the relay releases with a delay of approx. 10s. This enables a run-after of the central suction.

- 8 inputs
- OR-evaluation
- relay picks up if at least 1 input is activated
- operating value approx. 1 A
- turn-off delay approx. 10 s
- not necessary inputs remain open
- options:
  - switch-on delay 3 s
  - without switch-off delay

The basic function of the device is to detect whether a current is flowing in the supply line of one of several woodworking machines. If a current flow is detected, the device switches on a suction system. When the last machine is switched off, the device stops the extraction system after a delay.



### Technical Data

Rated supply voltage  $U_s$

AC 220 - 240 V  $+10-15\%$ ,  $< 3$  VA, 50/ 60 Hz

Transformer input  
Overload cap.continuous/max 10s  
Function  
Switching point on  
Switching point off  
Switch-off delay  
Switch-on delay

1...8, type STWA , order-number S225201  
100 A / 300 A  
OR-evaluation  
 $\leq$  AC 1 A  
 $>$  AC 0,3 A  
approx. 10 sec.  
approx. 0,5 sec.

Output relay  
Type of contact  
Test conditions  
Rated ambient temperature range

1 change-over contact (co)  
**type 2**, see "general technical informations"  
see "general technical informations"  
 $-20^\circ\text{C} \dots +55^\circ\text{C}$

Dimensions (h x w x d)  
Attachment

Design K: 75 x 22.5 x 115 [ mm ]  
on 35 mm DIN rail according to DIN EN 60715  
or with screws M4 (option)

Protection housing / terminals  
Weight

IP 30 / IP 20  
approx. 140 g