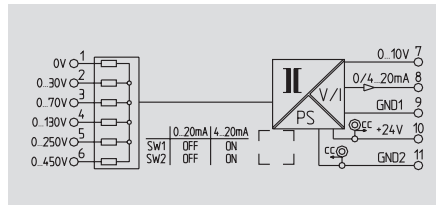
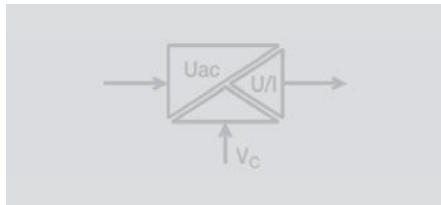


# Voltage monitoring

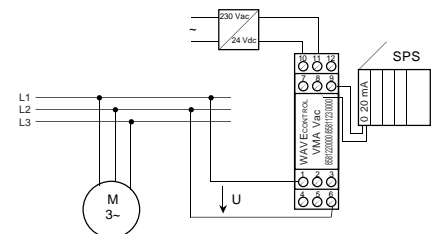
## Analogue output

- 3-way disconnection
- Max. measuring-voltage 450 V<sub>ac</sub>eff
- Output selectable via DIP-switch
- Calibration not necessary

## VMA Vac



## Application



## Technical data

### Input

Input voltage  
Input frequency  
Input voltage  
Max. voltage

0...30Vac/ 0...70Vac/ 0...130Vac/ 0...250Vac/ 0...450Vac  
40...40 Hz sinus  
0...30Vac/ 0...70Vac/ 0...130Vac/ 0...250Vac/ 0...450Vac  
45 Vac / 100 Vac / 180 Vac / 270 Vac / 475 Vac (short time)

### Output

Output voltage/Output current  
Offset voltage/Offset current  
Load resistance voltage/Current  
Accuracy  
Temperature coefficient  
Step response time  
Status indicator

0...10 V/0(4)...20 mA  
max. 0.02 V/max. 40 µA  
>= 1 kΩ / <= 600 Ω  
1.3 % (40...60 Hz) typ. 1 % / 2 % (70...400 Hz) typ. 1.5 %  
<= 250 ppm/K  
300 ms  
LED green

### General data

Supply voltage  
Current consumption  
Current-carrying cap. of cross-connect.  
Default settings  
Operation temperature  
Storage temperature  
Approvals

24 Vdc +/- 25 %  
40...30...24 mA at I<sub>out</sub>=20 mA  
<= 2 A  
0...10V/0...20mA  
0 °C...+50 °C  
-20 °C...+70 °C  
CE / ESD / cURus

### Insulation coordinates

Standards  
EMC standards  
Rated voltage  
Impulse withstand voltage  
Isolation voltage Input, output/  
Overvoltage category  
Pollution severity  
Clearance & creepage path

EN 50178  
EN 50081-1, EN 61000-2-6, EN 61326  
supply/output: 300 V; input/output, supply/output: 600 V  
supply/output: 4 kV; input/output, supply/output: 6kV  
4 kV<sub>eff</sub> / 5s/  
III  
2  
supply/output: 3mm; input/output, supply/output: 5.5mm

### Dimensions

Clamping range (rating- / min. / max.) mm<sup>2</sup>  
Length x width x height mm

### Screw connection

2.50 / 0.50 / 2.50  
92.4 x 22.5 x 112.4

### Tension clamp c.

1.50 / 0.50 / 2.50  
92.4 x 22.5 x 112.4

### Information

T<sub>u</sub>=23°C, single module

## Ordering data

### Type of connection

Screw connection  
Tension clamp c.

Type	Qty.	Order No.
WAS2 VMA V ac	1	8581220000
WAZ2 VMA V ac	1	8581230000

### Information

## Accessories

### Information

Voltage supply 24V and 0V with ZQV 2.5N/2 cross-connection

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2