

WAVECONTROL

- 3-way-isolation
- Max. input voltage 450 VAC_{eff}
- Input and output range configuration by DIP switches
- No adjustment required – ranges selected by DIP switches

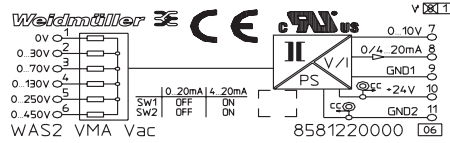
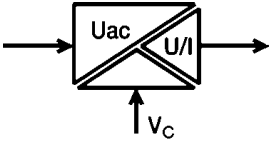
VMA VAC



Approvals:



Schematic circuit diagram



Ordering data

- Screw connection
- Tension clamp connection

Type	Part No.
WAS2 VMA VAC	8581220000
WAZ2 VMA VAC	8581230000

Technical data*

Input	
Input voltage/input impedance	Connection 1: 0 V GND Connection 2: 0...30 VAC/30 kΩ Connection 3: 0...70 VAC/70 kΩ Connection 4: 0...130 VAC/130 kΩ Connection 5: 0...250 VAC/250 kΩ Connection 6: 0...450 VAC/450 kΩ
Input frequency	40 Hz...400 Hz sine wave
Accuracy	1.3 % (40 Hz...60 Hz) typ. 1 % 2.0 % (70 Hz...400 Hz) typ. 1.5 %
max. input voltage	450 VAC _{eff}

Output

Current-voltage output (by DIP switches)	0...10 V 0...20 mA 4...20 mA
Output voltage	0...10 V
Output offset voltage	max. 0.02 V
Load resistance	≥ 1 kΩ
Output current	0/4...20 mA
Output offset current	max. 40 μA
Load resistance	≤ 600 Ω
Status indication	LED green
Temperature coefficient	≤ 250 ppm/K
Response time (10...90%)	700 ms

Coordination of insulation according to DIN EN 50178, 04/98

	Supply/Output	Input/Output
Rated voltage	300 V	600 V
Rated surge voltage	4 kV	6 kV
Overvoltage category	III	III
Contamination class	2	2
Clearance and creepage distances	3 mm (0.12 in.)	5.5 mm (0.22 in.)
Test voltage	4 kV _{eff}	4 kV _{eff}

General Data

Voltage supply	18 VDC...24 VDC...30 VDC
Rated current consumption	40 mA...30 mA...24 mA (I _{out} = 20 mA)
Polarization protection	yes
Cross connection above	+24 V, max. current: 2 A
Cross connection below	0 V max. current: 2 A
Operating temperature	0°C...+50°C
Storage temperature	-20°C...+70°C
Factory setting	0...10 V/0...20 mA
Dimensions W/L/H	22.5/92.4/112.4 (0.88/3.64/4.42)
Weight	200 g
Approvals	CE cULus

* Tu 23°C, single module

Application

