



#### General ordering data

Order No.	8581220000
Part designation	WAS2 VMA V ac
Version	Voltage monitoring, 0...30 / 0...70 / 0...130 / 0...250 / 0...450 V AC , 1 , 0(4)...20 mA , 0...10 V , 1 , Screw connection
EAN	4032248234622
Qty.	1 pc(s).

#### Input

Input voltage	0...30 / 0...70 / 0...130 / 0...250 / 0...450 V AC
Max. voltage	45 / 100 / 180 / 270 / 475 V AC (briefly)
Input resistance	30 kΩ / 70 kΩ / 130 kΩ / 250 kΩ / 450 kΩ
Input frequency	40...400 Hz sinus
Number of inputs	1

#### Output

Output voltage	0...10 V
Output current	0(4)...20 mA
Load resistance, voltage	≥ 1 kΩ
Load resistance, current	≤ 600 Ω
Accuracy	1.3% (40...60 Hz) typ. 1% / 2% (70...400Hz) typ. 1.5%
Offset voltage	max. 0.02 V
Offset current	Max. 40 μA
Switching voltage, max.	475 V AC
Step response time	< 300 ms
Status indicator	Green LED
Temperature coefficient	≤ 250 ppm/K
Number of outputs	1

#### General data

Function	Analogue output
Input/Output	Configurable
Galvanic isolation	3-way isolator

**General data**

Type of connection	Screw connection
Mounting rail	TS 35
Weight	200 g
Current consumption	40...30...24 mA at I =20 mA
Current-carrying capacity of cross-connect.	≤ 2 A
Voltage supply	24 V DC ± 25 %
Default setting	0...10V/0...20mA
Ambient temperature (operational)	0 °C...+50 °C
Storage temperature	-20 °C...+70 °C

**Insulation coordination**

Standards	EN 50178
EMC standards	EN 61000-6, EN 61000-2-6, EN 61326
Insulation voltage input, output	4 kV / 5 s
Insulation voltage input or output/supply	Input/Supply: 4 kV / 5 s; Output/Supply: 2 kV / 5 s
Clearance & creepage distances	Supply/output: 3 mm; input/output, supply/output: 5.5 mm
Impulse withstand voltage	Supply/output: 4 kV; input/output, supply/output: 6kV
Pollution severity	2
Overvoltage category	III
Rated voltage	supply/output: 300 V; input/output, supply/output: 600 V

**Dimensions**

Clamping range, max.	2.5 mm <sup>2</sup>
Clamping range, min.	0.5 mm <sup>2</sup>
Clamping range, nom.	2.5 mm <sup>2</sup>
Length	92.4 mm
Height	112.4 mm
Width	22.5 mm

**Approvals**

Approvals institutes

**Classifications**

eClass 4.1	27-21-09-01
eClass 5.0	27-21-09-01
eClass 5.1	27-21-09-01

**Similar products**

Order No.	Part designation	Version
8581230000	WAZ2 VMA V ac	Voltage monitoring, 0...30 / 0...70 / 0...130 / 0...250 / 0...450 V AC , 1 , 0(4)...20 mA , 0...10 V , 1 , Tension clamp connection