

WAVESERIES WAS2 VMA V AC

Weidmüller Interface GmbH & Co. KG
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The WAS/WAZ2 VMA V ac: single-phase AC voltage monitoring components with analogue output and external power supply.

On the input side, these components provide voltages in the ranges 0 to 30/70/130/260 and 450 VAC for measuring.

A standardised DC current/voltage signal is available on the output side.

The devices use the true RMS method and are capable of measuring voltages in the frequency range from 40 to 400 Hz with an accuracy of 1 to 2%. The input/output and supply are securely isolated with 4 kV.

The 24 VDC supply voltage can be bridged using pluggable ZQV 2.5N jumpers on the module side.

General ordering data

Delivery status	This article will no longer be available in the future.
Available until	2019-05-31
Type	WAS2 VMA V AC
Order No.	8581220000
Version	Input : 0...440 V AC, Output : analogue V / mA
GTIN (EAN)	4032248234622
Qty.	1 pc(s).
Alternative product	7760054306

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Technical data

Dimensions and weights

Length	92.4 mm	Length (inches)	3.638 inch
Width	22.5 mm	Width (inches)	0.886 inch
Depth	112.4 mm	Depth (inches)	4.425 inch
Weight	200 g	Net weight	149.8 g

Temperatures

Operating temperature, max.	50 °C	Operating temperature, min.	0 °C
Storage temperature, max.	70 °C	Storage temperature, min.	-20 °C
Operating temperature	0 °C...50 °C	Storage temperature	-20 °C...70 °C

Probability of failure

MTTF	371 Jahre
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Number of inputs	1	Input resistance, voltage	30 kΩ / 70 kΩ / 130 kΩ / 250 kΩ / 450 kΩ
Input measurement range	0...30 V AC, 0...70 V AC, 0...130 V AC, 0...250 V AC, 0...450 V AC	Input frequency	40...400 Hz sinus

Output

Number of outputs	1	Output voltage, note	0...10 V
Output current	0(4)...20 mA	load impedance voltage	≥ 1 kΩ
Load impedance current	≤ 600 Ω	Offset voltage	max. 0.02 V
Offset current	max. 40 μA	Status indicator	Green LED

General data

Accuracy	1,3 % (40...60 Hz) typ. 1 %; 2 % (70...400 Hz) typ. 1,5 %	Configuration	DIP switch
Current consumption	40...30...24 mA @ I _{OUT} = 20 mA	Current-carrying capacity of cross-connect.	≤ 2 A
Galvanic isolation	3-way isolator	Input/Output	configurable
Rail	TS 35	Step response time	< 300 ms
Temperature coefficient	≤ 250 ppm/K	Voltage supply	24 V DC ± 25 %

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Technical data
Insulation coordination

Clearance & creepage distances	Supply/output: 3 mm; Input/Output, Supply/ output: 5.5 mm	EMC standards	EN 61000-2-6, EN 61000-6, EN 61326
Galvanic isolation	3-way isolator	Impulse withstand voltage	Supply/output: 4 kV; input/ output, input/output: 6 kV
Insulation voltage	4 kV _{eff} / 5 s	Insulation voltage input or output/supply	Input / power: 4 kV _{eff} / 5 s; output / power supply: 2 kV _{eff} / 5 s
Pollution severity	2	Rated voltage	supply/output: 300 V; input/output, supply/ output: 600 V
Surge voltage category	III		

Connection data

Type of connection	Screw connection	Clamping range, rated connection	2.5 mm ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	2.5 mm ²

Classifications

ETIM 6.0	EC002653	ETIM 7.0	EC002653
eClass 9.0	27-21-01-20	eClass 9.1	27-21-01-20
eClass 10.0	27-21-01-20	UNSPSC	30-21-18-01

Product information

Product information	This product will soon be replaced by a new product. Please do not use with new systems. Please contact our technical support.
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Approvals

Approvals



ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Brochure/Catalogue	CAT 4.1 ELECTR 16/17 EN
User Documentation	Instruction sheet

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Drawings

Electric symbol

