



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



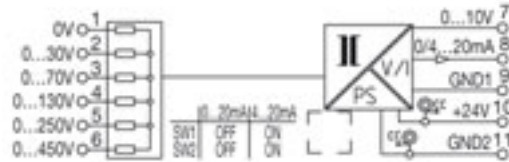
## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





#### General ordering data

Order No.	8581230000
Part designation	WAZ2 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 , Tension clamp connection
EAN	4032248234639
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 k $\Omega$ / 70 k $\Omega$ / 130 k $\Omega$ / 250 k $\Omega$ / 450 k $\Omega$
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	$\geq 1$ k $\Omega$
Load resistance, current	$\leq 600$ $\Omega$
Accuracy	1.3% (40...60 Hz) typ. 1% / 2% (70...400Hz) typ. 1.5%
Offset voltage	max. 0.02 V
Offset current	Max. 40 $\mu$ A
Switching voltage, max.	475 V AC
Step response time	< 300 ms
Status indicator	Green LED
Temperature coefficient	$\leq 250$ ppm/K
Number of outputs	1

#### General data

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

**General data**

Type of connection	Tension clamp 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.	1.5 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
8581220000	WAS2 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 , Screw connection