

WAZ2 VMA V AC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Do not use product for new developments, Only remaining stock available



1-channel signal isolating converter with external power supply: for transmitting and isolating analogue DC current and voltage signals.

The input and output parameters can be configured as required using the DIP switches.

The input and output channels are completely electrically isolated, as is the power supply.

Depending on their housing type, these converters are available in widths of 6.1 mm and 12.5 mm.

These signal isolating converters have international approvals (cULus, ATEX Zone2, FM Div 2, GL,DNV) which enable them to be used worldwide for many applications.

General ordering data

Version	Input : 0...440 V AC, Output : analogue V / mA
Order No.	8581230000
Type	WAZ2 VMA V AC
GTIN (EAN)	4032248234639
Qty.	1 pc(s).
Delivery status	Discontinued
Available until	2022-12-31
Alternative product	7760054360

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Technical data

Dimensions and weights

Depth	112.4 mm	Depth (inches)	4.425 inch
Width	22.5 mm	Width (inches)	0.886 inch
Length	92.4 mm	Length (inches)	3.638 inch
Net weight	179 g		

Temperatures

Storage temperature	-20 °C...70 °C	Operating temperature	0 °C...50
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Probability of failure

MTTF	371 a
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Input

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

Interface 2

Status indicator	Green LED
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Output

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

Output (digital)

Status indicator	Green LED
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Output (analogue)

Output current	0(4)...20 mA
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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	Galvanic isolation	3-way isolator
Rail	TS 35	Step response time	< 300 ms
Temperature coefficient	≤ 250 ppm/K	Voltage supply	24 V DC ± 25 %

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Insulation coordination

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	Tension-clamp connection	Clamping range, rated connection	1.5 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
ETIM 8.0	EC002653	ETIM 9.0	EC002653
ECLASS 9.0	27-21-01-20	ECLASS 9.1	27-21-01-20
ECLASS 10.0	27-21-01-20	ECLASS 11.0	27-21-01-20
ECLASS 12.0	27-21-01-20	ECLASS 13.0	27-21-01-20

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Technical data

Tender specification sheets

Long specification

Short specification

Monitoring component
for AC voltages up to
450 V with standard
signal output
and electrical isolation
Voltage monitoring
component in 22.5 mm
width for recording 50/
60 Hz AC
voltages 0...30 V /
0...70 V / 0...130 V /
0...250 V / 0...450 V.
Standardised analogue
current/voltage signals
are available on the out-
put side.
The component has 4
kV of complete 3-way
isolation and is sup-
plied externally with 24
VDC.

Add-on housing for
TS35 rail mounting
Dimensions: L/W/H
92.4/ 22.5/ 112.4 mm
Tension-clamp connec-
tion / Nominal cross-
section 1.5 mm²
Protection degree: IP
20
Input 0...30
V / 0...70 V / 0...130 V /
0...250 V / 0...450 V AC

40...400 Hz sinus
Voltage of measuring
circuit max 475 V AC
Out-
put
0(4)...20 mA / 0...10 V
Load resistance <
600 Ohm Strom
>1 kOhm / voltage
Transmission er-
ror < 1,3 % v. E.
Temperature coeffi-
cient 250 ppm / K
Step response
time < 300 ms
Auxiliary pow-
er 24
VDC +/- 25 %
Ambient
temperature range 0
°C...+50 °C

Secure isola-
tion EN 50178,
3-way isolation up to 4
kV
Test volt-
age 4
kV / 5 s Input / Output /
supply
Rated

Monitoring component
for AC voltages up to
450 V with standard
signal output
and electrical isolation
Voltage monitor-
ing component in 22.5
mm width for recording
50/ 60 Hz AC
voltages 0...30 V /
0...70 V / 0...130 V /
0...250 V / 0...450 V.

Standardised analogue
current/voltage signals
are available on the out-
put side.

The component has 4
kV of complete 3-way

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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	94561991-a963-4084-a5f3-dfa3a5c2a27e

Important note

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
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

Downloads

Approval/Certificate/Document of Conformity	Application notes – Declaration of Conformity
Engineering Data	CAD data – STEP
User Documentation	Device description – Instruction sheet
Catalogues	Catalogues in PDF-format
Brochures	

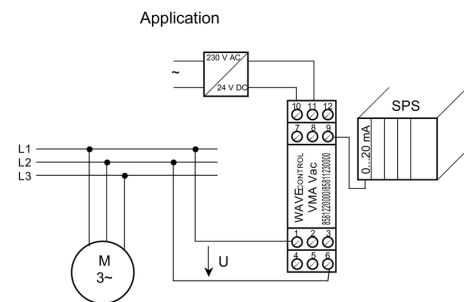
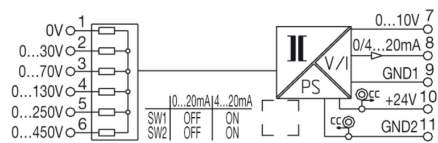
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Drawings

Electric symbol



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www.weidmueller.com**Accessories****2.5 mm²**

2.5
mm²

The plug-in cross-connections feature easy handling and quick installation. This saves a great deal of time during installation in comparison with screwed solutions.

General ordering data

Type	ZQV 2.5N/2 GE	Version
Order No.	1693800000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190883621	
Qty.	60 pc(s).	
Type	ZQV 2.5N/2 RT	Version
Order No.	1717900000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349288	
Qty.	60 pc(s).	
Type	ZQV 2.5N/2 BL	Version
Order No.	1717990000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349295	
Qty.	60 pc(s).	
Type	ZQV 2.5N/2 SW	Version
Order No.	1718080000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349301	
Qty.	60 pc(s).	

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www.weidmueller.com**Accessories****Blank**

WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	WS 10/5 MC NE WS	Version
Order No.	1635000000	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190261948	Allen-Bradley, white
Qty.	720 pc(s).	