WAZ4 VVC DC 0-10/0-10V

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	Signal converter/insulator, Input : 0-10 V, Output : 0-10 V
Order No.	8447140000
Type	WAZ4 VVC DC 0-10/0-10V
GTIN (EAN)	4032248108084
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2022-04-30

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Technical data

Dimensions and weights

Depth	112.4 mm	Depth (inches)	4.425 inch
Width	12.5 mm	Width (inches)	0.492 inch
Length	92.4 mm	Length (inches)	3.638 inch
Net weight	114 g		

Temperatures

Storage temperature	-20 °C...85 °C	Operating temperature	0 °C...70 °C
Humidity at operating temperature	0...95 % (no condensation)	Humidity	40 °C / 93 % rel. humidity, no condensation

Probability of failure

SIL in compliance with IEC 61508	None	MTTF	597 a

Input

Input resistance, voltage	500 kΩ	Input voltage	0...10 V
Number of inputs	1		

Output

Cut-off frequency (-3 dB)	≥ 13 Hz (typ. 17 Hz)	Load impedance current	≤ 600 Ω
Number of outputs	1	Output voltage, note	0...10 V
load impedance voltage	≥ 1 kΩ		

Output (digital)

Max. switching voltage, AC	0 V	Rated switching current	0.1 A

Output (analogue)

Load resistance voltage	≥ 1 kΩ	Output voltage	0...10 V

General data

Accuracy	± 0.2 % of final value	Current consumption	<11 mA @ U_{UT} = 10 V
Galvanic isolation	2-way isolator	Rail	TS 35
Step response time	≤ 30 ms (typ. 25 ms)	Temperature coefficient	≤ 250 ppm/K of final value
Voltage supply	24 V DC ± 20 %		

Insulation coordination

EMC standards	EN 55011, EN 61000-6	Galvanic isolation	2-way isolator
Impulse withstand voltage	4 kV	Insulation voltage	1.2 kV_{eff} / 5 s
Insulation voltage input or output/rail	4 kV_{eff} / 1 min.	Insulation voltage input or output/supply	4 kV_{eff} / 1 min.
Pollution severity	2	Rated voltage	300 V
Surge voltage category	III		

Connection data

Type of connection	Tension-clamp connection	Stripping length, rated connection	7 mm
Clamping range, rated connection	1.5 mm²	Clamping range, min.	0.5 mm²
Clamping range, max.	2.5 mm²		

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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

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.

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 Device description – Instruction sheet
Catalogues	Catalogues in PDF-format

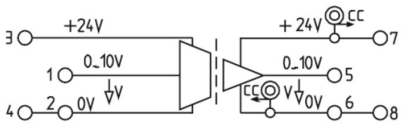
WAZ4 VVC DC 0-10/0-10V

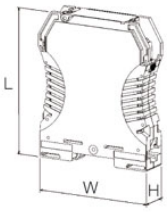
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Drawings

Electric symbol





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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).	

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 SW	Version
Order No.	1718080000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349301	
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).	

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Accessories

Type	ZQV 2.5N/2 BL	Version
Order No.	1717990000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349295	
Qty.	60 pc(s).	