

WAZ5 VVC 0-10V/0-10V**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Do not use product for new
developments**



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.	8540340000
Type	WAZ5 VVC 0-10V/0-10V
GTIN (EAN)	4032248180721
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	112.4 mm	Depth (inches)	4.425 inch
Length	92.4 mm	Length (inches)	3.638 inch
Net weight	124 g	Width	17.5 mm
Width (inches)	0.689 inch		

Temperatures

Storage temperature	-20 °C...85 °C	Operating temperature	0 °C...55 °C
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Probability of failure

MTTF	463 Jahre
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Input resistance, voltage	typ. 100 kΩ	Input voltage	0...10 V
Number of inputs	1		

Output

Cut-off frequency (-3 dB)	10 Hz	Number of outputs	1
Output voltage, note	0...10 V	load impedance voltage	≥ 1 kΩ

General data

Accuracy	0.2 %	Configuration	none
Current-carrying capacity of cross-connect.	≤ 2 A	Galvanic isolation	3-way isolator
Input/Output	0...10 V/ 0...10 V	Power consumption	< 1.3 W @ I _{OUT} = 5 mA
Rail	TS 35	Step response time	≤ 45 ms
Temperature coefficient	± 250 ppm/K	Type of connection	Tension-clamp connection
Voltage supply	24 V DC ± 25 %		

Insulation coordination

Clearance & creepage distances	≥ 3 mm	EMC standards	EN 55011, EN 61000-6
Galvanic isolation	3-way isolator	Impulse withstand voltage	4 kV
Insulation voltage	2 kV _{eff} / 5 s	Insulation voltage input or output/rail	4 kV _{eff} / 1 min.
Insulation voltage input or output/supply	2 kV _{eff} / 5 s	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 mm ²	Clamping range, min.	0.5 mm ²
Clamping range, max.	2.5 mm ²		

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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	ECLASS 11.0	27-21-01-20

Tender specification sheets

Long specification

Short specification

**Add-on housing for
TS35 rail mounting**
Dimensions: L/W/H
92.4/ 17.5/ 112.4 mm
Tension-clamp
connection / Nominal
cross-section 1.5 mm²
Protection degree: IP
20
Input 0...10
V
Output
0...10 V
Transmission
error < 0,2% v. E.
Limit frequency 10 Hz
Auxiliary
power
24 VDC +/- 25 %
Power loss approx. 1.3
W
Ambient
temperature range 0
°C...+55 °C

Secure
isolation EN
50178, 3-way isolation
up to 4 kV AC/DC of all
circuits against each
other
Test
voltage
4 kV input against
output against auxiliary
power
Rated
voltage
300 V AC/DC at
overvoltage category III
and pollution degree 2
Approvals cULus

Type
WAZ5 VVC 0-10/0-10V

Standard signal isolating
 converter 1-channel signal
 isolating converter in
 17.5 mm width, with
 external power supply, for
 transmitting and isolating
 analogue DC current
 signals from 0 to 10 V

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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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	E141197

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	EPLAN, WSCAD
User Documentation	Instruction sheet

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Drawings

Electric symbol

