

## WAVESERIES WAS4 CVC DC 4-20/0-10V

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### Similar to illustration



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

Delivery status	<b>This article will no longer be available in the future.</b>
Available until	2019-08-31
Type	WAS4 CVC DC 4-20/0-10V
Order No.	<a href="#">8445040000</a>
Version	Signal converter/insulator, Screw connection
GTIN (EAN)	4032248056989
Qty.	1 pc(s).
Alternative product	<a href="#">1176010000</a>

Creation date April 4, 2020 10:59:06 AM CEST

Catalogue status 20.03.2020 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

Length	92.4 mm	Length (inches)	3.638 inch
Width	12.5 mm	Width (inches)	0.492 inch
Depth	112.4 mm	Depth (inches)	4.425 inch
Net weight	110 g		

**Temperatures**

Humidity	40 °C / 93 % rel. humidity, no condensation	Operating temperature, max.	55 °C
Operating temperature, min.	0 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-20 °C	Operating temperature	0 °C...55 °C
Storage temperature	-20 °C...85 °C		

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
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**Input**

Number of inputs	1	Input current	4...20 mA
Voltage drop	Approx. 5.6 V at 20 mA		

**Output**

Number of outputs	1	Output voltage, note	0...10 V
Cut-off frequency (-3 dB)	≥ 15 Hz (typ. 20 Hz)	load impedance voltage	≥ 1 kΩ

**General data**

Accuracy	± 0.2 % of final value	Configuration	none
Current consumption	< 20 mA @ I <sub>OUT</sub> = 10 mA	Current-carrying capacity of cross-connect.	≤ 2 A
Galvanic isolation	2-way isolator	Input/Output	4...20 mA/ 0...10 V
Rail	TS 35	Step response time	≤ 30 ms (typ. 20 ms)
Temperature coefficient	≤ 250 ppm/K of final value	Voltage supply	24 V DC ± 20 %

**Insulation coordination**

Clearance & creepage distances	≥ 3 mm	EMC standards	EN 55011, EN 61000-6
Galvanic isolation	2-way isolator	Impulse withstand voltage	4 kV
Insulation voltage	1.2 kV <sub>eff</sub> / 5 s	Insulation voltage input or output/rail	4 kV <sub>eff</sub> / 1 min.
Insulation voltage input or output/supply	4 kV <sub>eff</sub> / 1 min.	Pollution severity	2
Rated voltage	300 V	Surge voltage category	III

**Output (analogue)**

Load resistance voltage	≥ 1 kΩ	Output voltage	0...10 V
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**Connection data**

Type of connection	Screw connection	Stripping length, rated connection	7 mm
Tightening torque, min.	0.4 Nm	Tightening torque, max.	0.5 Nm
Clamping range, rated connection	2.5 mm <sup>2</sup>	Clamping range, min.	0.5 mm <sup>2</sup>
Clamping range, max.	2.5 mm <sup>2</sup>		

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**Data sheet**

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**Ratings IECEx/ATEX/cUL**

Certificate no. (cULus) E141197

**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		

**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.

**Approvals**

Approvals



ROHS Conform

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Declaration of Conformity</a>
Brochure/Catalogue	<a href="#">CAT 4.1 ELECTR 16/17 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>

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**Drawings****Electric symbol**