

WAS4 CVC DC 4-20/0-10V**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Similar to illustration**

Product is no longer
available, Data sheet for
information only

**General ordering data**

Version	Signal converter/insulator, Input : 4-20 mA, Output : 0-10 V
Order No.	8445040000
Type	WAS4 CVC DC 4-20/0-10V
GTIN (EAN)	4032248056989
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2019-08-31
Alternative product	1176010000

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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	110 g	Width	12.5 mm
Width (inches)	0.492 inch		

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

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

Output

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

General data

Accuracy	± 0.2 % of final value	Configuration	none
Current consumption	< 20 mA @ I _{OUT} = 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	Type of connection	Screw connection
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 _{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	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 ²	Clamping range, min.	0.5 mm ²
Clamping range, max.	2.5 mm ²		

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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

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Technical data

Tender specification sheets

Long specification

**Standard signal
isolating converter, 2-
way isolation
1-channel signal
isolating converter in
12.5 mm width with
output-side
power supply for
transmitting and
isolating analogue
4...20 mA
DC current signals. The
input circuit is powered
by the current loop.
0...10 V are available
on the output side.**

**Add-on housing for
TS35 rail mounting
Dimensions: L/W/H
92.4/ 12.5/ 112.4 mm
Screw connection /
Nominal cross-section
2.5 mm²
Protection degree: IP
20
Input 4...20
mA / loop-powered
Output
0...10 V
Apparent resistance at
output > 1 kOhm
Transmission
error < 0,2% v. E.
Limit frequency 15 Hz
Auxiliary
power
24 VDC +/- 20 %
Ambient
temperature range 0
°C...+55 °C**

**Secure
isolation EN
50178, 2-way isolation
up to 4 kV AC/DC
Test
voltage
4 kV input against
output
Rated
voltage
300 V AC/DC at
overvoltage category III
and pollution degree 2
Approvals cULusEX,
cULus, CSA**

**Type
CCC DC 4-20/0-10V**

Short specification

**Standard signal
isolating converter, 2-
way isolation
1-channel signal
isolating converter in
12.5 mm width with
output-side
power supply for
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4...20 mA
DC current signals. The
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WAS4

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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

E141197

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Conformity[Declaration of Conformity](#)

Engineering Data

[EPLAN, WSCAD](#)

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Drawings**Electric symbol**