

WAS4 CCC DC 4-20/0-20MA**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product is no longer
available, Data sheet for
information only

**General ordering data**

Version	Signal converter/insulator, Input : 4-20 mA, Output : 0-20 mA
Order No.	8445010000
Type	WAS4 CCC DC 4-20/0-20MA
GTIN (EAN)	4032248056842
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2021-12-31
Alternative product	1176010000

Creation date March 29, 2021 10:52:44 PM CEST

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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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	109 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)	Load impedance current	≤ 500 Ω
Number of outputs	1	Output current	0...20 mA

General data

Accuracy	± 0.2 % of final value	Configuration	none
Current consumption	< 32 mA @ I _{OUT} = 20 mA	Current-carrying capacity of cross-connect.	≤ 2 A
Galvanic isolation	2-way isolator	Input/Output	4...20 mA/ 0...20 mA
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...20 mA 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 / current-loop
 powered
 Output
 0...20 mA
 Apparent resistance at
 output < 500 Ohm
 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 CULus, CSA**

**Type
 CCC DC 4-20/0-20MA**

Short specification

**Standard signal
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 way isolation
 1-channel signal
 isolating converter in
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Technical data**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	E141197

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Engineering Data	EPLAN, WSCAD

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Drawings

Electric symbol

