

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

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Only remaining stock available,
Do not use product
for new developments

**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	2022-03-30
Alternative product	1176010000

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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	110 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
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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	Galvanic isolation	2-way isolator
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

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		

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

Creation date May 3, 2024 7:37:11 PM CEST

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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 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.

WAS4

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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	b25f3b7c-b874-4a4e-a8b2-4f423a7e2a65

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	UL Website
Certificate no. (cULus)	E141197
Certificate no. (cULusEX)	E223527

Downloads

Approval/Certificate/Document of Conformity	Application notes – Declaration of Conformity
Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format
Brochures	

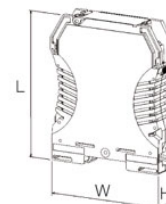
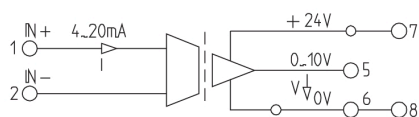
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Drawings

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


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 BL	Version
Order No.	1717990000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349295	
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).	

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Accessories

Type	ZQV 2.5N/2 RT	Version
Order No.	1717900000	W-Series, Cross-connector, 24 A
GTIN (EAN)	4008190349288	
Qty.	60 pc(s).	