

WAS5 CVC HF 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.	8447280000
Type	WAS5 CVC HF 4-20/0-10V
GTIN (EAN)	4032248100637
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2018-03-02
Alternative product	1481970000

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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	135 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	488 Jahre
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Input current	4...20 mA	Input resistance, current	50 Ω
Number of inputs	1		

Output

Cut-off frequency (-3 dB)	≥ 15 kHz (typ. 20 kHz)	Load impedance current	≤ 600 Ω
Number of outputs	1	Output voltage, note	0...10 V
load impedance voltage	≥ 2 kΩ		

General data

Accuracy	< 0.2 % of end value	Configuration	none
Current-carrying capacity of cross-connect.	≤ 2 A	Galvanic isolation	3-way isolator
Input/Output	4...20 mA/ 0...10 V	Power consumption	< 1.3 W @ I _{OUT} = 5 mA
Rail	TS 35	Step response time	≤ 40 μs (typ. 30 μs)
Temperature coefficient	≤ 250 ppm/K of final value	Type of connection	Screw 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	1.2 kV _{eff} / 5 s	Insulation voltage input or output/rail	4 kV _{eff} / 1 min.
Insulation voltage input or output/supply	1.2 kV _{eff} / 5 s	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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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

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, cULusEX, CSA

Type
WAS5 CVC HF
4-20/0-10V

Short specification

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 20 mA

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.

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

