Data sheet

WAS5 CVC HF 4-20/0-10V

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

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

Similar to illustration



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 items
Delivery status	This article will no longer be available in the future.
Last order date	2022-03-30T00:00:00+02:00
Alternative product	ACT20P-PRO DCDC II-S

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197
Certificate no. (cULusEX)	E223527

Dimensions and weights

Depth	112.4 mm	Depth (inches)	4.4252 inch
Width	17.5 mm	Width (inches)	0.689 inch
Length	92.4 mm	Length (inches)	3.6378 inch
Net weight	135 g		

Temperatures

Storage temperature	-20 °C...85 °C	Operating temperature	0 °C...70 °C
Humidity at operating temperature	0...95 % (no condensation)		

Probability of failure

SIL in compliance with IEC 61508	None	MTTF	488 a

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cI
REACH SVHC	Lead 7439-92-1
SCIP	b25f3b7c-b874-4a4e-a8b2-4f423a7e2a65

Input

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

Output

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

General data

Accuracy	<0.2 % of end value	Protection degree	IP20
Supply voltage	24 V DC ± 25 %	Step response time	≤ 40 µs (typ. 30 µs)
Mounting rail	TS 35	Power consumption	<1.3 W @ IOUT = 5 mA
Temperature coefficient	≤ 250 ppm/K of final value	Nominal power consumption	1.5 VA
Configuration	none		

Insulation coordination

Impulse withstand voltage	4 kV	EMC standards	EN 55011, EN 61000-6
Surge voltage category	III	Pollution severity	2

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Galvanic isolation	3-way isolator	Insulation voltage input or output/rail	4 kVeff / 1 min.
Insulation voltage input or output/supply	1.2 kVeff / 5 s	Insulation voltage	1.2 kVeff / 5 s
Rated voltage	300 V		

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 mm²	Clamping range, min.	0.5 mm²
Clamping range, max.	2.5 mm²		

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.

Classifications

ETIM 8.0	EC002653	ETIM 9.0	EC002653
ETIM 10.0	EC002653	ECLASS 14.0	27-21-01-20
ECLASS 15.0	27-21-01-20		

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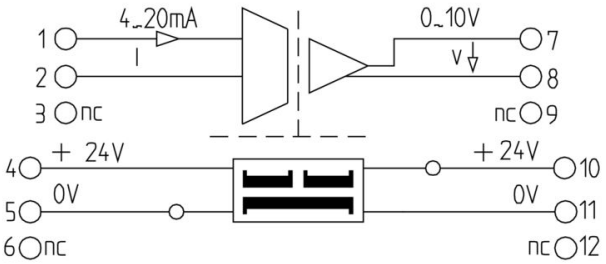
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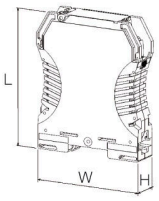
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Drawings

Electric symbol





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