

WAS5 CCC 0-20/0-20MA

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 : 0(4)-20 mA, Output : 0(4)-20 mA
Order No.	8540180000
Type	WAS5 CCC 0-20/0-20MA
GTIN (EAN)	4032248180585
Qty.	1 pc(s).
Delivery status	Discontinued
Available until	2022-03-30
Alternative product	7760054114

Creation date May 28, 2025 8:30:06 AM CEST

Catalogue status 24.05.2025 / 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
Width	17.5 mm	Width (inches)	0.689 inch
Length	92.4 mm	Length (inches)	3.638 inch
Net weight	100.2 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	373 a
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Input

Input current	0...20 mA, 4...20mA	Input resistance, current	≤ 110 Ω
Number of inputs	1		

Output

Cut-off frequency (-3 dB)	10 Hz	Load impedance current	≤ 600 Ω
Number of outputs	1	Output current	0...20 mA, 4...20 mA

General data

Accuracy	0.2 %	Configuration	none
Galvanic isolation	3-way isolator	Nominal power consumption	1.5 VA
Power consumption	<1.5 W @ I _{OUT} = 20 mA	Protection degree	IP20
Rail	TS 35	Step response time	≤ 45 ms
Temperature coefficient	± 250 ppm/K	Voltage supply	24 V DC ± 25 %

Insulation coordination

EMC standards	EN 55011, EN 61000-6	Galvanic isolation	3-way isolator
Impulse withstand voltage	4 kV	Insulation voltage	2 kV _{eff} / 5 s
Insulation voltage input or output/rail	4 kV _{eff} / 1 min.	Insulation voltage input or output/supply	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
ETIM 8.0	EC002653	ETIM 9.0	EC002653
ETIM 10.0	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	ECLASS 14.0	27-21-01-20
ECLASS 15.0	27-21-01-20		

Tender specification sheets

Long specification

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 0/4 to 20 mA**

**Type
WAS5 CCC
0-20/0-20MA**

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cl
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.

Approvals

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/ https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

Downloads

Approval/Certificate/Document of Conformity	Application notes – Declaration of Conformity
User Documentation	Device description – Instruction sheet
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

Electric symbol

