

## WAVESERIES

### WAZ5 CCC LP 0-20/0-20mA

**Weidmüller Interface GmbH & Co. KG**

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Germany

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The ACT20M-CI-CO-OLP, WAS/WAZ5 OLP signal isolator/splitter (2-wire system) is supplied via the output current loop and has an analogue DC current input.

The 1- and 2-channel signal isolators are supplied from the current loop. They are available in the 6.1 mm (ACT20M series) or 17.5 mm (WAVESERIES) housings.

The input and output circuits are electrically isolated from each other.

The power is supplied via the 4–20 mA current loop on the output side.

The devices come optionally in a splitter version with two loop-fed outputs.

The devices can be mounted on a DIN rail and consume minimal power.

International approvals (such as ATEX Zone 2, UL C1D2 and FM Div2) permit use in explosion-risk zones.

Signal converters with output-loop power supplies are used in a variety of application processes as signal isolators and signal multipliers (splitters) and signal amplifiers. They can be used to eliminate measurement errors caused by differences in earth potentials.

#### General ordering data

Delivery status	<b>This article will no longer be available in the future.</b>
Available until	2019-08-31
Type	WAZ5 CCC LP 0-20/0-20mA
Order No.	<a href="#">8444960000</a>
Version	Passive isolator, Tension-clamp connection
GTIN (EAN)	4032248102105
Qty.	1 pc(s).

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**Technical data****Dimensions and weights**

Length	92.4 mm	Length (inches)	3.638 inch
Width	17.5 mm	Width (inches)	0.689 inch
Depth	112.4 mm	Depth (inches)	4.425 inch
Weight	100 g	Net weight	92.4 g

**Temperatures**

Operating temperature, max.	70 °C	Operating temperature, min.	-25 °C
Storage temperature, max.	80 °C	Storage temperature, min.	-40 °C
Operating temperature	-25 °C...70 °C	Storage temperature	-40 °C...80 °C

**Probability of failure**

MTTF	2,097 Jahre
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**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
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**Input**

Number of inputs	1	Input current	0(4)...20 mA current loop
Pick-up current	< 100 µA	Voltage drop	Approx. 3 V at $R_L = 0 \Omega$ ; approx. 13 V at $R_L = 500 \Omega$ ; ( $I_{IN} = 20 \text{ mA}$ )

**Output**

Number of outputs	1	Output current	0...20 mA, 4...20 mA
load impedance current	$\leq 500 \Omega$		

**General data**

Accuracy	< 0.1 % of end value	Configuration	none
Galvanic isolation	Passive isolator	Input/Output	0(4)...20 mA/0(4)...20 mA (1-channel)
Rail	TS 35	Temperature coefficient	$\leq 50 \text{ ppm/K}$ of final value
Voltage supply	via the input measuring circuit		

**Insulation coordination**

Clearance & creepage distances	$\geq 5.5 \text{ mm}$	EMC standards	EN 55011, EN 61000-6
Galvanic isolation	Passive isolator	Impulse withstand voltage	6 kV
Insulation voltage	4 kV <sub>eff</sub> / 1 s	Insulation voltage input or output/rail	4 kV <sub>eff</sub> / 1 min.
Pollution severity	2	Rated voltage	300 V
Surge voltage category	III		

**Connection data**

Type of connection	Tension-clamp connection	Stripping length, rated connection	7 mm
Clamping range, rated connection	1.5 mm <sup>2</sup>	Clamping range, min.	0.5 mm <sup>2</sup>
Clamping range, max.	2.5 mm <sup>2</sup>		

Creation date May 1, 2019 11:19:37 AM CEST

Catalogue status 26.04.2019 / We reserve the right to make technical changes.

**Data sheet**

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**Classifications**

ETIM 4.0	EC002653	ETIM 5.0	EC002653
ETIM 6.0	EC002653	UNSPSC	31-12-10-07
eClass 5.1	27-21-01-20	eClass 6.2	27-21-01-20
eClass 7.1	27-21-01-20	eClass 8.1	27-21-01-20
eClass 9.0	27-21-01-20	eClass 9.1	27-21-01-20

**Product information**

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

**Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Declaration of Conformity</a>
Brochure/Catalogue	<a href="#">CAT 4.1 ELECTR 16/17 EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>
User Documentation	<a href="#">Instruction sheet</a>

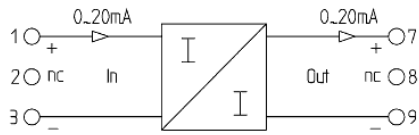
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**Drawings**

**Connection diagram**



**Derating curve**

