

**WAVESERIES**  
**WAZ5 CCC 0-20/0-20mA**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com



The externally supplied ACT20M-CI-CO, MAS RPS/RPSH, MCZ CFC and WAS/WAZ 4/5 C signal converters/ supply isolators can transmit, isolate and convert standardised

DC current signals. They are optionally available in widths of 6 mm (ACT20M/MCZ), 12.5 mm (WAS/WAZ4) or 17.5 mm (WAS/WAZ5).

The input and output circuits are completely electrically isolated, as is the power supply.

The input signal is converted into a DC current/voltage value (ACT20M, WAS/WAZ) or into a proportional frequency (MCZ CFC) between 0–1/4/8/16 kHz.

The WAVESERIES signal converters are available with a limiting frequency of either 10 Hz (WAS/WAZ4) or 20 kHz (WAS/WAZ5) so that they can process signals quickly.

The MAS/RPS/RPSH supply isolator can supply 2-wire sensors externally. They can also be used optionally to transmit the HART protocol (MAS RPSH).

The 24 VDC supply voltage can be cross-connected on the module side via the CH20M BUS profile (ACT20M series) or using the ZQV4N (MAS/MCZ) or ZQV 2.5N (WAS/WAZ) pluggable jumpers.

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

**General ordering data**

Type	WAZ5 CCC 0-20/0-20mA
Order No.	<a href="#">8540190000</a>
Version	Signal converter/disconnector, Tension clamp connection
GTIN (EAN)	4032248180592
Qty.	1 pc(s).

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

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

## Technische Daten

### Dimensions and weights

Length	92.4 mm	Width	17.5 mm
Depth	112.4 mm	Net weight	127 g

### Temperatures

Operating temperature	0 °C...+55 °C	Storage temperature	-20 °C...+85 °C
-----------------------	---------------	---------------------	-----------------

### Probability of failure

MTTF	373 Years
------	-----------

### Input

Supply voltage	24 V DC $\pm$ 25 %	Input current	0...20 mA, 4...20mA
Number of inputs	1	Input resistance, current	$\leq$ 110 $\Omega$

### Output

Cut-off frequency (-3 dB)	10 Hz	Number of outputs	1
load impedance current	$\leq$ 600 $\Omega$	Output current	0...20 mA, 4...20 mA

### General data

Accuracy	0.2 %	Configuration	none
Current-carrying capacity of cross-connect.	$\leq$ 2 A	Galvanic isolation	3-way isolator
Input/Output	0(4)...20 mA/0(4)...20 mA	Mounting rail	TS 35
Power consumption	$<$ 1.5 W @ I <sub>OUT</sub> = 20 mA	Step response time	$\leq$ 45 ms
Supply voltage	24 V DC $\pm$ 25 %	Temperature coefficient	$\pm$ 250 ppm/K
Type of connection	Tension clamp connection		

### Insulation coordination

Clearance & creepage distances	$\geq$ 3 mm	EMC standards	EN 55011, EN 61000-6
Galvanic isolation	3-way isolator	Impulse withstand voltage	4 kV
Insulation voltage	2 kV <sub>eff</sub> / 5 s	Insulation voltage input or output/rail	4 kV <sub>eff</sub> / 1 min.
Insulation voltage input or output/supply	2 kV <sub>eff</sub> / 5 s	Pollution severity	2
Rated voltage	300 V	Standards	DIN EN 50178, DIN EN 61000-4-2
Surge voltage category	III		

### Classifications

ETIM 3.0	EC001774	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		

### Product information

Descriptive text accessories	Cross-connectors for power supplies and markers: refer to accessories
------------------------------	---

**Datenblatt****WAVESERIES**  
**WAZ5 CCC 0-20/0-20mA****Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com**Technische Daten****Approvals**

Approvals



ROHS

Conform

**Downloads**

Package insert	<a href="#">instruction sheet.pdf</a>
Declaration of Conformity	<a href="#">Declaration of Conformity.pdf</a>
EPLAN	<a href="#">8540190000.ema</a>
<a href="#">3D Modell</a>	

**WAVESERIES  
WAZ5 CCC 0-20/0-20mA**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Zeichnungen****Electric symbol**