

## WAVESERIES WAS5 VVC 0-10V/0-10V

**Weidmüller Interface GmbH & Co. KG**  
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The MCZ VFC and WAS/WAZ4/5 signal converters can transmit, isolate and convert analogue DC voltages. They are optionally available in widths of 6 mm (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 (WAS/WAZ) or into a proportional frequency (MCZ VFC) 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).

The 24 VDC supply voltage can be cross-connected on the module side using ZQV4N (MCZ) or ZQV 2,5N (WAS/WAZ) jumpers.

### General ordering data

Type	WAS5 VVC 0-10V/0-10V
Order No.	<a href="#">8540330000</a>
Version	Signal converter/disconnector, Screw connection
GTIN (EAN)	4032248180714
Qty.	1 pc(s).

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## Technische Daten

### Dimensions and weights

Length	92.4 mm	Width	17.5 mm
Depth	112.4 mm	Net weight	100.5 g

### Temperatures

Operating temperature	0 °C...+55 °C	Storage temperature	-20 °C...+85 °C
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### Probability of failure

MTTF	463 Years
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### Input

Supply voltage	24 V DC $\pm$ 25 %	Number of inputs	1
Input resistance, voltage	typ. 100 k $\Omega$	Input voltage	0...10 V

### Output

Cut-off frequency (-3 dB)	10 Hz	load impedance voltage	$\geq$ 1 k $\Omega$
Number of outputs	1	Output voltage, note	0...10 V

### General data

Accuracy	0.2 %	Configuration	none
Current-carrying capacity of cross-connect.	$\leq$ 2 A	Galvanic isolation	3-way isolator
Input/Output	0...10 V/ 0...10 V	Mounting rail	TS 35
Power consumption	< 1.3 W @ I <sub>OUT</sub> = 5 mA	Step response time	$\leq$ 45 ms
Supply voltage	24 V DC $\pm$ 25 %	Temperature coefficient	$\pm$ 250 ppm/K
Type of connection	Screw 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
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**Datenblatt****WAVESERIES  
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Approvals



ROHS

Conform

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Package insert	<a href="#">instruction sheet.pdf</a>
Declaration of Conformity	<a href="#">Declaration of Conformity.pdf</a>
EPLAN	<a href="#">8540330000.ema</a>
<a href="#">3D Modell</a>	

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**Zeichnungen****Electric symbol**