

MCZ SERIES
MCZ VFC 0-10V

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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	MCZ VFC 0-10V
Order No.	8461470000
Version	MCZ SERIES, DC/f transformer, f=: 0...1/ 4/ 8/ 16 kHz
GTIN (EAN)	4032248037773
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Length	91 mm	Width	6 mm
Depth	63.2 mm	Net weight	28.4 g

Temperatures

Operating temperature	0 °C...+50 °C	Storage temperature	-20 °C...+85 °C
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Input

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

Output

Number of outputs	1	load impedance current	$\leq$ 600 Ω
Status indicator	LED, pulsing	Output frequency	0...1/ 4/ 8/ 16 kHz
Output level	PNP, Ub-0.7 V	Output current	max. 20 mA

General data

Accuracy	0.2% of FSR	Current consumption	14 mA without load
Current-carrying capacity of cross-connect.	$\leq$ 20 A	Galvanic isolation	2-way isolator
Input/Output	DC/ f	Mounting rail	TS 35
Supply voltage	24 V DC $\pm$ 10 %	Temperature coefficient	$\leq$ 250 ppm/K
Type of connection	Tension clamp connection		

Insulation coordination

Clearance & creepage distances	$\geq$ 1.5 mm	EMC standards	EN 55011, EN 61000-6
Galvanic isolation	2-way isolator	Impulse withstand voltage	1.5 kV
Insulation voltage	1 kV DC	Insulation voltage input or output/rail	4 kV _{eff} / 1 min.
Pollution severity	2	Rated voltage	100 V
Standards	DIN EN 50178	Surge voltage category	III

Classifications

ETIM 3.0	EC001774	UNSPSC	31-12-10-07
eClass 5.1	27-21-09-04	eClass 6.2	27-21-09-04
eClass 7.1	27-21-09-04		

Approvals

Approvals



ROHS Conform

Downloads

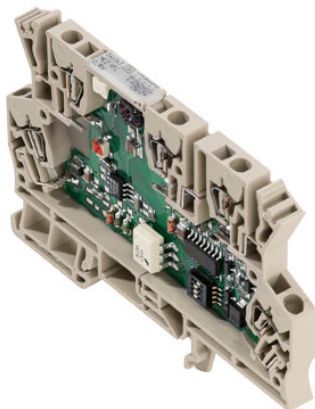
Declaration of Conformity [Declaration of Conformity.pdf](#)
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Drawings**Electric symbol**