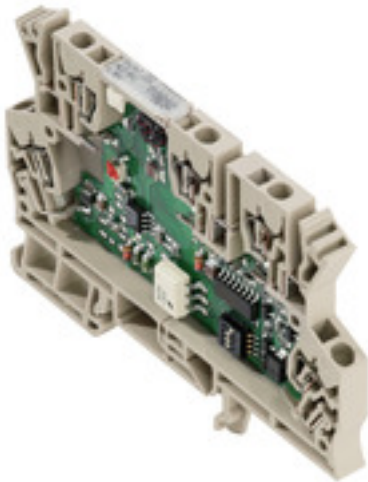


**MCZ CFC 4-20mA****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****MCZ: The smallest solution**

- The smallest analogue signal converter in terminal block format on the market
- Space-saving conversion of analogue signals in the control cabinet thanks to the slim, 6 mm wide module width
- Simple wiring with plug-in cross-connectors

**General ordering data**

Version	DC/f transformer, Input : 4-20 mA, Output frequency: 0...1/ 4/ 8/ 16 kHz
Order No.	<a href="#">8461490000</a>
Type	MCZ CFC 4-20MA
GTIN (EAN)	4032248037797
Qty.	10 pc(s).

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## Technical data

## Dimensions and weights

Depth	63.2 mm	Depth (inches)	2.488 inch
Width	6 mm	Width (inches)	0.236 inch
Length	91 mm	Length (inches)	3.583 inch
Net weight	27.5 g		

## Temperatures

Storage temperature	-20 °C...85 °C	Operating temperature	0 °C...60 °C
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## Probability of failure

SIL in compliance with IEC 61508	None
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## Input

Input current	4...20 mA	Input resistance, current	50 Ω
Number of inputs	1	Voltage drop	5.8...6.4 V at 20 mA

## Output

Load impedance current	≤ 600 Ω	Number of outputs	1
Output current	max. 20 mA	Output frequency	0...1/ 4/ 8/ 16 kHz
Output level	PNP, Ub-0.7 V		

## General data

Accuracy	0.15 % v. FSR	Current consumption	14 mA without load
Galvanic isolation	between input / output / supply	Long-term drift	0
Rail	TS 35	Temperature coefficient	≤ 250 ppm/K
Voltage supply	24 V DC ± 10 %		

## Insulation coordination

EMC standards	EN 55011, EN 61000-6	Galvanic isolation	between input / output / supply
Impulse withstand voltage	1.5 kV	Insulation voltage	1 kV DC
Insulation voltage input or output/rail	4 kV <sub>eff</sub> / 1 min.	Pollution severity	2
Rated voltage	100 V	Surge voltage category	III
Test voltage	0.3 kV		

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## Technical data

## Connection data

Type of connection	Tension-clamp connection	Clamping range, rated connection	1.5 mm <sup>2</sup>
Clamping range, min.	0.5 mm <sup>2</sup>	Clamping range, max.	1.5 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 16
Wire cross-section, solid, min.	0.5 mm <sup>2</sup>	Wire cross-section, solid, max.	1.5 mm <sup>2</sup>
Wire cross-section, solid, min. (AWG)	AWG 26	Wire cross-section, solid, max. (AWG)	AWG 16
Wire connection cross section, finely stranded, min.	0.5 mm <sup>2</sup>	Wire connection cross section, finely stranded, max.	1.5 mm <sup>2</sup>
Wire cross-section, finely stranded, min. (AWG)	AWG 26	Wire cross-section, finely stranded, max. (AWG)	AWG 16
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm <sup>2</sup>	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm <sup>2</sup>
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 mm <sup>2</sup>	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	1.5 mm <sup>2</sup>

## Classifications

ETIM 6.0	EC002918	ETIM 7.0	EC002918
ETIM 8.0	EC002918	ETIM 9.0	EC002918
ECLASS 9.0	27-21-01-28	ECLASS 9.1	27-21-01-28
ECLASS 10.0	27-21-01-28	ECLASS 11.0	27-21-01-28
ECLASS 12.0	27-21-01-28	ECLASS 13.0	27-21-01-28

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	c2a21576-d875-4548-ae68-5e7f85ddf0c7

## Approvals

Approvals



ROHS Conform

## Downloads

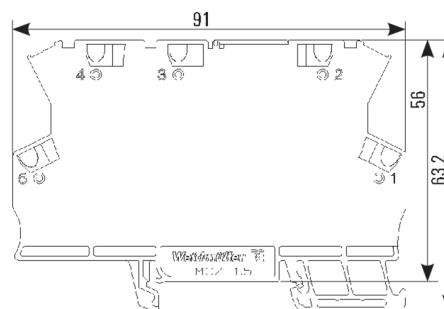
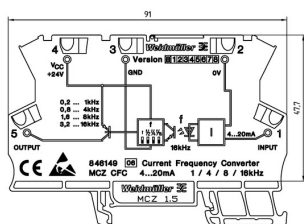
Approval/Certificate/Document of Conformity	<a href="#">Application notes – Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
User Documentation	<a href="#">Instruction sheet</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>

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[www.weidmueller.com](http://www.weidmueller.com)**Drawings****Connection diagram**

dimensions

## MCZ CFC 4-20MA

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## Accessories

4 mm<sup>2</sup>

The plug-in cross-connections feature easy handling and quick installation. This saves a great deal of time during installation in comparison with screwed solutions.

## General ordering data

Type	ZQV 4N/4 GE	Version
Order No.	<a href="#">1762620000</a>	W-Series, Cross-connector, 32 A
GTIN (EAN)	4032248169771	
Qty.	60 pc(s).	
Type	ZQV 4N/3 GE	Version
Order No.	<a href="#">1762630000</a>	W-Series, Cross-connector, 32 A
GTIN (EAN)	4032248169788	
Qty.	60 pc(s).	
Type	ZQV 4N/2 GE	Version
Order No.	<a href="#">1758250000</a>	W-Series, Cross-connector, 32 A
GTIN (EAN)	4032248169795	
Qty.	60 pc(s).	

## Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

Type	WS 8/6 PLUS MC NE WS	Version
Order No.	<a href="#">1951880000</a>	WS, Terminal marker, 8 x 6 mm, Pitch in mm (P): 6.00 Weidmueller,
GTIN (EAN)	4032248632114	white
Qty.	600 pc(s).	

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****AP MCZ 1.5 - End plate**

Open miniature housing in modular terminal format with five tension clamp connections. A transparent hinged top plate can be used for labelling and provides access to potentiometer and status displays. Plug-in cross-connectors can be used to interconnect the three top connections. A cover plate for closing off the housing is also available.

**General ordering data**

Type	AP MCZ1.5 1674	Version
Order No.	<a href="#">8389030000</a>	Small housing, OMNIMATE Housing - TERMINALBOX grey-beige, End
GTIN (EAN)	4008190386849	plate, Width: 1.5 mm
Qty.	50 pc(s).	

**SAK-Series**

Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

**General ordering data**

Type	EW 35	Version
Order No.	<a href="#">0383560000</a>	End bracket, Wemid, beige, Rail: TS 35, when screwed in
GTIN (EAN)	4008190181314	
Qty.	50 pc(s).	