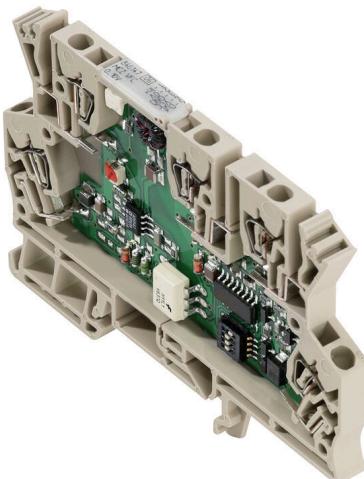


MCZ CFC 0-20MA

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 26
D-32758 Detmold
Germany

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 : 0-20 mA, Output frequency: 0...1/4/8/16 kHz
Order No.	8461480000
Type	MCZ CFC 0-20MA
GTIN (EAN)	4032248037780
Qty.	10 items

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Depth	63.2 mm	Depth (inches)	2.4882 inch
Width	6 mm	Width (inches)	0.2362 inch
Length	91 mm	Length (inches)	3.5827 inch
Net weight	28.3 g		

Temperatures

Storage temperature -20 °C...85 °C Operating temperature 0 °C...60 °C

Probability of failure

SIL in compliance with IEC 61508 None

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	c2a21576-d875-4548-ae68-5e7f85ddf0c7

Input

Number inputs	1	Input current	0...20 mA
Input resistance, current	50 Ω	Voltage drop	1 V at 20 mA

Output

Number of outputs	1	Load impedance current	≤ 600 Ω
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 % v. FSR	Protection degree	IP20
Status indicator	LED, pulsing	Supply voltage	24 V DC ± 10 %
Long-term drift	0	Current consumption	14 mA without load
Mounting rail	TS 35	Temperature coefficient	≤ 250 ppm/K
Nominal power consumption	2 VA	Configuration	DIP switch
Operating altitude	≤ 2000 m		

Insulation coordination

Impulse withstand voltage	1.5 kV	EMC standards	EN 61000-6
Test voltage	0.3 kV	Surge voltage category	III
Pollution severity	2	Galvanic isolation	between input/output/ supply
Insulation voltage input or output/rail	4 kVeff / 1 min.	Insulation voltage	1 kV DC

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Technical data

Rated voltage 100 V

Connection data

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

Classifications

ETIM 8.0	EC002918	ETIM 9.0	EC002918
ETIM 10.0	EC002918	ECLASS 14.0	27-21-01-28
ECLASS 15.0	27-21-01-28		

Tender specification sheets

Long specification	DC/f converter for converting a 0...20 mA standard signal to 0...1/ 4/ 8/ 16 kHz, configured with DIP switches DC/f converter in 6 mm width with external power supply for transmitting and converting a 0...20 mA standard signal into a proportional 0...1/ 4/ 8/ 16 kHz rectangular-form frequency. The input and output circuits are electrically isolated. Add-on housing for TS35 rail mounting Dimensions: L/W/H 91/ 6/ 63.2 mm Tension-clamp connection / Nominal cross-section 1.5 mm ² Protection degree: IP 20 Input 0...20 mA Output 0...1 kHz/ 4 kHz/ 8 kHz/ 16 kHz PNP: UB - 0.7V / max. 20 mA Transmission error < 0,2 % v. E. Temperature coefficient < 250 ppm K	Short specification	DC/f converter for converting a 0...20 mA standard signal to 0...1/ 4/ 8/ 16 kHz, configured with DIP switches DC/f converter in 6 mm width with external power supply, for transmitting and converting a 0...20 mA standard signal into a proportional 0...1/ 4/ 8/ 16 kHz rectangular frequency. The input and output circuits are electrically isolated.
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MCZ CFC 0-20MA**Weidmüller Interface GmbH & Co. KG**

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D-32758 Detmold
Germany

www.weidmueller.com**Technical data**

Auxiliary power
24 V DC +/- 10 %
Ambient temperature range 0°C...+50 °C
Isolation 1.5 kV
Rated voltage 100 V
Overvoltage category III
pollution degree 2
Type MCZ
VFC 0-20MA

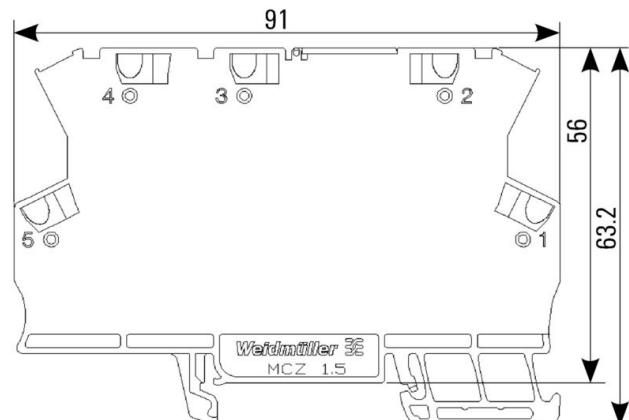
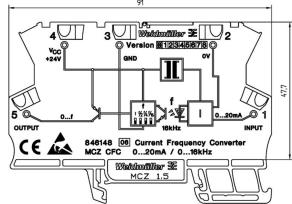
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Drawings

Connection diagram



dimensions

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Accessories

End bracket



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.	0383560000	End bracket, beige, TS 35, V-2, Wemid, Width: 8.5 mm, 100 °C
GTIN (EAN)	4008190181314	
Qty.	50 ST	

Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

Type	ZQV 4N/10 GE	Version
Order No.	1758260000	W-Series, Cross-connector, 32 A
GTIN (EAN)	4032248169764	
Qty.	20 ST	

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.	8389030000	End plate, OMNIMATE Housing - TERMINALBOX grey-beige, End
GTIN (EAN)	4008190386849	plate, Width: 1.5 mm
Qty.	50 ST	

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Accessories

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 10/6 MC NE WS	Version
Order No.	1828450000	WS, Terminal marker, 10 x 6 mm, Pitch in mm (P): 6.00 Weidmueller,
GTIN (EAN)	4032248350513	Allen-Bradley, white
Qty.	600 ST	

Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

Type	ZQV 4N/2	Version
Order No.	1527930000	Cross-connector (terminal), Plugged, orange, 32 A, Number of poles:
GTIN (EAN)	4050118332766	2, Pitch in mm (P): 6.10, Insulated: Yes, Width: 9.9 mm
Qty.	60 ST	
Type	ZQV 4N/3	Version
Order No.	1527940000	Cross-connector (terminal), Plugged, orange, 32 A, Number of poles:
GTIN (EAN)	4050118332865	3, Pitch in mm (P): 6.10, Insulated: Yes, Width: 16 mm
Qty.	60 ST	
Type	ZQV 4N/4	Version
Order No.	1527970000	Cross-connector (terminal), Plugged, orange, 32 A, Number of poles:
GTIN (EAN)	4050118332889	4, Pitch in mm (P): 6.10, Insulated: Yes, Width: 22.1 mm
Qty.	60 ST	
Type	ZQV 4N/5	Version
Order No.	1527980000	Cross-connector (terminal), Plugged, orange, 32 A, Number of poles:
GTIN (EAN)	4050118332759	5, Pitch in mm (P): 6.10, Insulated: Yes, Width: 28.2 mm
Qty.	60 ST	