Data sheet

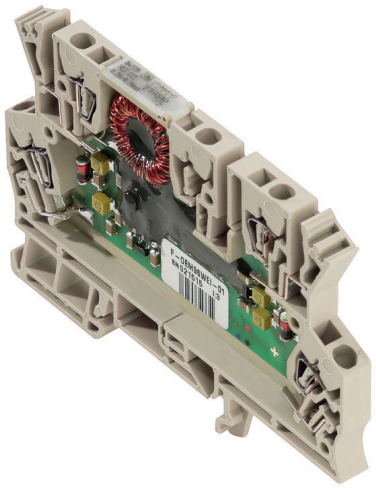
MCZ CCC 0-20MA/0-20MA

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

www.weidmueller.com

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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	Passive isolator, Input : 0-20 mA, Output : 0-20 mA
Order No.	8411190000
Type	MCZ CCC 0-20MA/0-20MA
GTIN (EAN)	4008190992736
Qty.	10 items

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Data sheet

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E141197

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	44.3 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-25 °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, 7cI
REACH SVHC	Lead 7439-92-1
SCIP	35d83707-6a3b-45b5-b9f8-6ba8184c863e

Input

Number inputs	1	Input current	0(4)...20 mA current loop
Voltage drop	2.5....3 V at 20 mA	Pick-up current	<100 µA

Output

Number of outputs	1	Load impedance current	≤ 500 Ω
Output current	0...20 mA	Cut-off frequency (-3 dB)	100 Hz

General data

Accuracy	<0.1 % of end value	Protection degree	IP20
Supply voltage	via the input measuring circuit	Long-term drift	0
Mounting rail	TS 35	Temperature coefficient	≤ 50 ppm/K of measured value at 0 Ω load resistance
Nominal power consumption	2 VA	Configuration	none
Operating altitude	≤ 2000 m		

Insulation coordination

EMC standards	EN 61000-6	Test voltage	0.3 kV
Surge voltage category	I	Pollution severity	2

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Technical data

Galvanic isolation	between input/output	Rated voltage	100 V

Connection data

Type of connection	Tension-clamp connection	Clamping range, rated connection	1.5 mm²
Clamping range, min.	0.5 mm²	Clamping range, max.	1.5 mm²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 16
Wire cross-section, solid, min.	0.5 mm²	Wire cross-section, solid, max.	1.5 mm²
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 mm²	Wire connection cross section, finely stranded, max.	1.5 mm²
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 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm²
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 mm²	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	1.5 mm²

Part description

Product description	MCZ CCC analogue converters can be used for the galvanic isolation of standard 0(4) ... 20 mA signals. They are supplied by the measured signal and require no additional auxiliary supply. The measured signal is transmitted in a ratio of 1:1. The connection is realised via tension clamp terminals.

Classifications

ETIM 8.0	EC002653	ETIM 9.0	EC002653
ETIM 10.0	EC002653	ECLASS 14.0	27-21-01-20
ECLASS 15.0	27-21-01-20		

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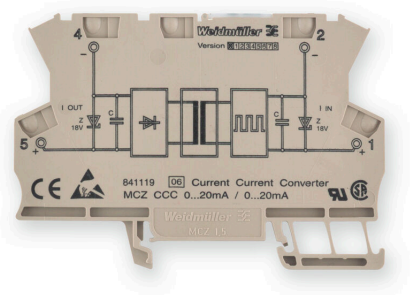
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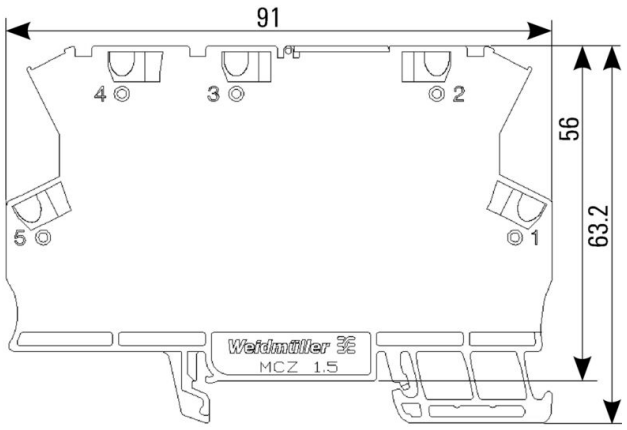
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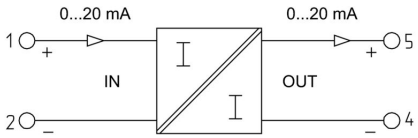
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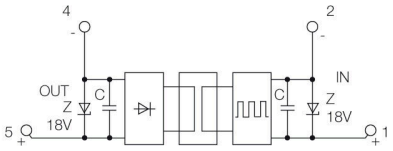
Drawings

Connection diagram









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