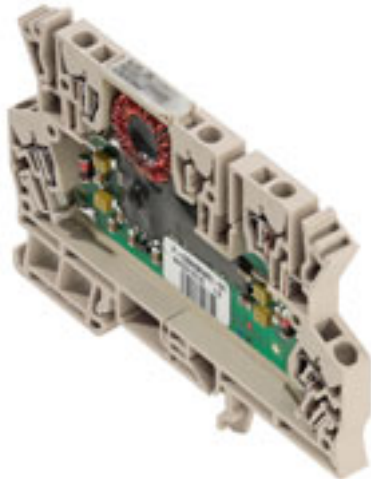


MCZ SERIES MCZ CCC 0-20mA/0-20mA

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
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 Germany
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The ACT20M-CI-CO-ILP, MCZ CCC and WAS5 CCC LP are 1/2-channel passive isolators that are supplied via the input loop current. They are optionally available in 6 mm (ACT20M/ MCZ series) or 17.5 mm (WAS5 CCC LP) housings.

The input and output circuits are completely, electrically isolated from each other. The passive isolators are designed with 1 or 2 channels. International approvals (such as ATEX Zone 2, UL C1D2 and FM Div2) permit use in explosion-risk zones.

Passive isolators are used to electrically isolate normalised signals (from 0/4 to 20 mA). The modules get their power supply from the current loop on the input side. The power for signal transmission and supply comes from the active 0/4–20 mA signal. They have very low current consumption and can be used anywhere in the field where no suitable power supply is available.

These devices are used in a variety of application processes as signal isolators and signal multipliers. They can be used to eliminate measurement errors caused by differences in earth potentials.

General ordering data

Type	MCZ CCC 0-20mA/0-20mA
Order No.	8411190000
Version	MCZ SERIES, Passive isolator
GTIN (EAN)	4008190992736
Qty.	10 pc(s).

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Technische Daten

Dimensions and weights

Length	91 mm	Width	6 mm
Depth	63.2 mm	Net weight	44.3 g

Temperatures

Operating temperature	-25 °C...+60 °C	Storage temperature	-40 °C...+85 °C
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Input

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

Output

Cut-off frequency (-3 dB)	100 Hz	Number of outputs	1
load impedance current	≤ 500 Ω	Output voltage, note	max. 10 V
Output current	0...20 mA, 4...20 mA		

General data

Accuracy	< 0.1 % of end value	Configuration	none
Galvanic isolation	Passive isolator	Input/Output	0(4)...20 mA/0(4)...20 mA
Mounting rail	TS 35	Temperature coefficient	≤ 50 ppm/K of measured value at 0 Ω load resistance
Type of connection	Tension clamp connection		

Insulation coordination

EMC standards	EN 61000-6	Galvanic isolation	Passive isolator
Insulation voltage	510 V _{eff}	Standards	DIN EN 60529, DIN EN 61010-1

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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Approvals

Approvals



ROHS	Conform
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Datenblatt**MCZ SERIES**
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3D Modell	

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Zeichnungen

Electric symbol

