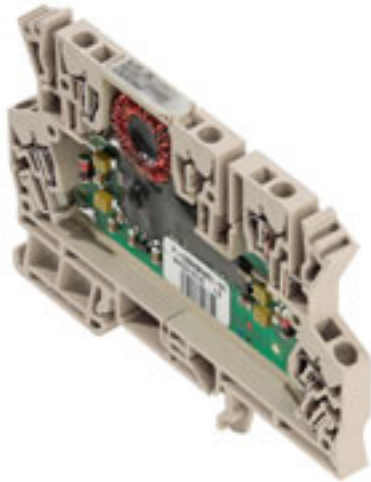


## MCZ SERIES

### MCZ CCC 0-20mA/0-20mA

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com



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

Order No.	<a href="#">8411190000</a>
Type	MCZ CCC 0-20mA/0-20mA
Version	MCZ SERIES, Passive isolator
GTIN (EAN)	4008190992736
Qty.	10 pc(s).

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

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Technical data****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
-----------------------	-----------------	---------------------	-----------------

**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(4)...20 mA		

**General data**

Accuracy	< 0.1 % of end value	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	Insulation voltage	510 V <sub>eff</sub>
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		

**Approvals**

Approvals



ROHS Conform

**Downloads**

Package insert	<a href="#">IS_MCZ_CCC_Print.pdf</a>
Declaration of Conformity	<a href="#">K197_06_09.pdf</a>
	<a href="#">3-D model</a>

Creation date April 19, 2013 5:18:14 PM CEST

Catalogue status 12.03.2013 / We reserve the right to make technical changes.

2

**Data sheet...**

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

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Drawings**

**Electric symbol**

