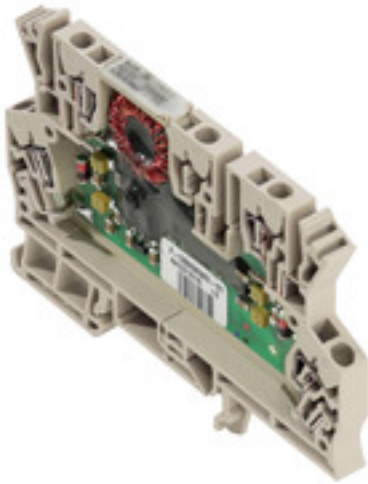


MCZ CCC 0-20MA/0-20MA

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 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 | Passive isolator, Input : 0-20 mA, (loop powered), Output : 0-20 mA |
| Order No. | 8411190000 |
| Type | MCZ CCC 0-20MA/0-20MA |
| GTIN (EAN) | 4008190992736 |
| 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 | 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 |
|----------------------------------|------|

Input

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

Output

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

General data

| | | | |
|-------------------------|---|-----------------|---------------------------------|
| Accuracy | <0.1 % of end value | Configuration | none |
| Galvanic isolation | between input/output | Long-term drift | 0 |
| Protection degree | IP20 | Rail | TS 35 |
| Temperature coefficient | ≤ 50 ppm/K of measured value at 0 Ω load resistance | Voltage supply | via the input measuring circuit |

Insulation coordination

| | | | |
|------------------------|------------|--------------------|----------------------|
| EMC standards | EN 61000-6 | Galvanic isolation | between input/output |
| Pollution severity | 2 | Rated voltage | 100 V |
| Surge voltage category | I | Test voltage | 0.3 kV |

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) | 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 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 |

Creation date November 26, 2024 11:56:40 AM CET

Catalogue status 26.11.2024 / We reserve the right to make technical changes.

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Technical data

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002653 | ETIM 7.0 | EC002653 |
| ETIM 8.0 | EC002653 | ETIM 9.0 | EC002653 |
| ECLASS 9.0 | 27-21-01-20 | ECLASS 9.1 | 27-21-01-20 |
| ECLASS 10.0 | 27-21-01-20 | ECLASS 11.0 | 27-21-01-20 |
| ECLASS 12.0 | 27-21-01-20 | ECLASS 13.0 | 27-21-01-20 |
| ECLASS 14.0 | 27-21-01-20 | | |

Tender specification sheets

Long specification

Short specification

Type
CZ CCC
0-20mA/0-20mA

M-

Standard signal passive isolator, input-loop powered
1-channel signal passive isolator in 6 mm width with input current loop feed, for transmitting and isolating analogue DC current signals from 0/4 to 20 mA

Environmental Product Compliance

| | |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 7a, 7cl |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 35d83707-6a3b-45b5-b9f8-6ba8184c863e |

Approvals

Approvals



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

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| User Documentation | Instruction sheet |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

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Drawings

Connection diagram

