

## MCZ SC 0-10V

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

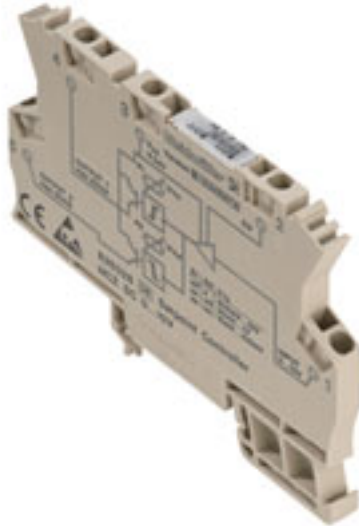
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### Product image



### 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	Limit value monitoring, Input : 0-10 V, Output 2 x transistor
Order No.	<a href="#">8260280000</a>
Type	MCZ SC 0-10V
GTIN (EAN)	4008190985417
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	29.6 g		

## Temperatures

Storage temperature	-25 °C...60 °C	Operating temperature	0 °C...50 °C
Operating temperature, min.	0 °C	Operating temperature, max.	50 °C
Humidity	40 °C / 93 % rel. humidity, no condensation		

## Probability of failure

SIL in compliance with IEC 61508	None
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## Input

Input resistance, voltage	60 kΩ	Input voltage	0...10 V
Number of inputs	1		

## Output

Cut-off frequency (-3 dB)	100 Hz	Number of outputs	2
Switching thresholds	Via 2 potentiometers (12 turns)		

## General data

Configuration	Potentiometer	Current consumption	15 mA
Galvanic isolation	Without isolation	Rail	TS 35
Step response time	< 250 μs (switching threshold at 90% of max. input signal; R <sub>I</sub> ≤ 1 kΩ)	Temperature coefficient	max. 250 ppm/K
Type of connection	Tension-clamp connection	Voltage supply	24 V DC ± 20 %

## Insulation coordination

EMC standards	EN 55011, EN 61000-6	Galvanic isolation	Without isolation
Insulation voltage input or output/rail	4 kV <sub>eff</sub> / 1 min.		

## Connection data

Type of connection	Tension-clamp connection	Clamping range, rated connection	1.5 mm <sup>2</sup>
Clamping range, min.	0.5 mm <sup>2</sup>	Clamping range, max.	1.5 mm <sup>2</sup>

## Classifications

ETIM 6.0	EC002654	ETIM 7.0	EC002654
ETIM 8.0	EC002654	ECLASS 9.0	27-21-01-22
ECLASS 9.1	27-21-01-22	ECLASS 10.0	27-21-01-22
ECLASS 11.0	27-21-01-22	ECLASS 12.0	27-21-01-22

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**Technical data**

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**Tender specification sheets**

Long specification

Short specification

**Trip amplifier for monitoring a 0...10 V standard signal with two switching outputs**  
**Trip amplifier in 6 mm width for analogue 0...10 V standard signals with two PNP-transistor switch outputs for monitoring an upper and lower threshold (adjustable via potentiometer). DIP switches can be used to select a range of 300 mV to 10 V, 30 mV to 1 V, and 10 mV to 100 mV on the input side.**

**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<sup>2</sup>**  
**Protection degree: IP 20**

**Input**  
**0...10 V**

**ranges 300 mV...10 V / 30 mV...1 V / 10 mV...100 mV**

**Output**  
**Double switching output PNP/ 50 mA per channel**

**adjustable via potentiometer**  
**Switching hysteresis 1 % of input**  
**Step response time < 250 us (10...90 %)**  
**Temperature coefficient < 250 ppm K**  
**Auxiliary power 24 V DC +/- 20 %**  
**Ambient temperature range 0°C...+50 °C**

**Isolation 1.5 kV**  
**Approvals cURus, CSA**

**Type**  
**MCZ SC 0-10V**

**Trip amplifier for monitoring a 0...10 V standard signal with two switching outputs**  
**Trip amplifier in 6 mm width for analogue 0...10 V standard signals with two PNP-transistor switch outputs for monitoring an upper and lower threshold (adjustable via potentiometer). DIP switches can be used to select a range of 300 mV to 10 V, 30 mV to 1 V, and 10 mV to 100 mV on the input side.**

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**Data sheet**

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**Technical data**

**Environmental Product Compliance**

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	<a href="#">Declaration of Conformity</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Engineering Data	<a href="#">WSCAD</a>
User Documentation	<a href="#">Instruction sheet</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

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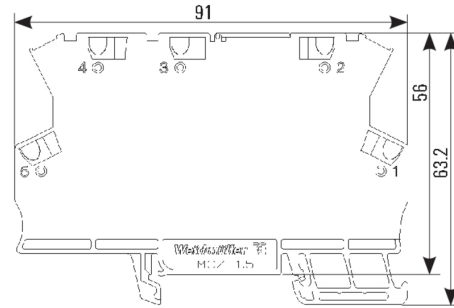
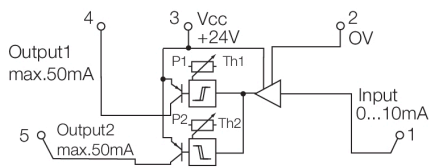
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**Drawings**

**Connection diagram**



dimensions

