

MCZ SC 0-20MA

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

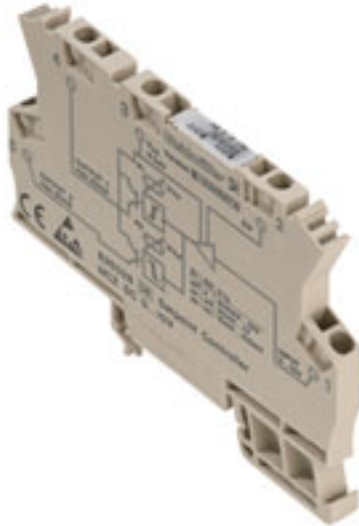
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Product image



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 : 0-20 mA, Output 2 x transistor
Order No.	8227350000
Type	MCZ SC 0-20MA
GTIN (EAN)	4008190193799
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	28 g		

Temperatures

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

Probability of failure

SIL in compliance with IEC 61508	None	MTTF	681 Years
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1	SCIP	35d83707-6a3b-45b5-b9f8-6ba8184c863e
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Input

Input current	0.5...20 mA	Input resistance, current	50 Ω
Number of inputs	1	Voltage drop	1 V

Output

Contact assembly	Transistor output, double switch output PNP	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 _I ≤ 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 _{eff} / 1 min.		

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

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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

Tender specification sheets

Long specification

Short specification

Trip amplifier for monitoring a 0...20 mA standard signal with two switching outputs
Trip amplifier in 6 mm width for analogue 0...20 mA standard signals with two PNP-transistor switch outputs for monitoring an upper and lower threshold (adjustable via potentiometer).

Dimensions: L/W/H
91/ 6/ 63.2 mm
Tension-clamp connection / Nominal cross-section 1.5 mm²
Protection degree: IP 20

Input
0.5...20 mA
Output
Double switching output PNP/ 50 mA per channel

Adjustable via potentiometer
Switching hysteresis of input 1 %
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
Approvals cURus, CSA

Type **MCZ**
SC 0-20MA

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Trip amplifier in 6 mm width for analogue 0...20 mA standard signals with two PNP-transistor switch outputs for monitoring an upper and lower threshold (adjustable via potentiometer).

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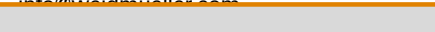
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Technical data



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
Engineering Data	EPLAN, WSCAD
User Documentation	Instruction sheet
Catalogues	Catalogues in PDF-format
Brochures	

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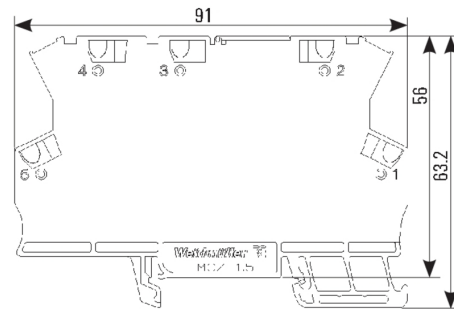
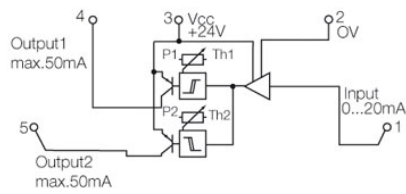
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Drawings

Connection diagram



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