

MCZ PT100/3 CLP -40C...100C

Weidmüller Interface GmbH & Co. KG

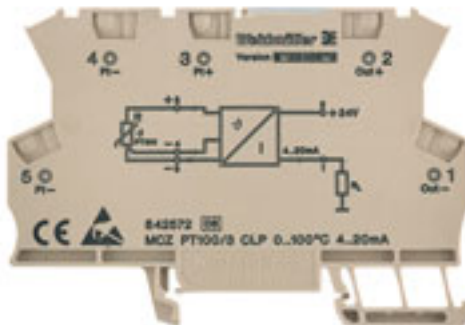
Klingenbergstraße 26

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	Temperature input range: -40...+100 °C, Output : 4-20 mA
Order No.	8604430000
Type	MCZ PT100/3 CLP -40C...100C
GTIN (EAN)	4032248264575
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Depth	63.2 mm	Depth (inches)	2.488 inch
Length	91 mm	Length (inches)	3.583 inch
Net weight	28.3 g	Width	6 mm
Width (inches)	0.236 inch		

Temperatures

Storage temperature	-25 °C...85 °C	Operating temperature	-25 °C...50 °C
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Number of inputs	1	Sensor	PT100 (3 wire)
Sensor supply	0.8 mA / 9...30 V DC	Temperature input range	-40...+100 °C

Output

Load impedance current	≤ 600 Ω	Number of outputs	1
Output current	4...20 mA (current loop) at 9...30V DC		

General data

Accuracy	Typ.: 0.2 %, máx. 0.5 % v. FSR	Configuration	none
Galvanic isolation	Without isolation, between input/output	Linearity	Yes
Rail	TS 35	Step response time	10 ms
Temperature coefficient	max. ± 250 ppm/K	Type of connection	Tension-clamp connection
Voltage supply	Output loop powered, max. 30 V/ min. 9 V + (20 mA x RL)		

Insulation coordination

EMC standards	EN 61000-6	Galvanic isolation	Without isolation, between input/output
Pollution severity	2	Rated voltage	50 V
Surge voltage category	I		

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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

Classifications

ETIM 6.0	EC002919	ETIM 7.0	EC002919
ECLASS 9.0	27-21-01-29	ECLASS 9.1	27-21-01-29
ECLASS 10.0	27-21-01-29	ECLASS 11.0	27-21-01-29

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Technical data

Tender specification sheets

Long specification

**PT100 temperature
measuring transformer,
output-loop powered,
3-wire connection
technology**

RTD measuring
transformer in 6 mm
width, 4...20 mA output-
loop powered
without electrical isolation,
for transmitting PT100
2-/3-wire signals.

Input temperature range
-40...+100 °C.

Add-on housing for TS35
rail mounting

Dimensions: L/W/H 91/
6/ 63.2 mm

Tension-clamp

connection / Nominal

cross-section 1.5 mm²

Protection degree: IP 20

Input PT100, 2-/3-

wireOutput 4...20 mA

Load resistance

Transmission error

Auxiliary power

via 4...20 mA current

loopAmbient temperature

range 0°C...+50 °C< 0,2 %

v. E.

Isolation no electrical

isolationApprovals cURus,

CSA

**TypeMCZ PT100/3 CLP
-40C...+100C**

Short specification

**PT100 temperature
measuring transformer,
output-loop powered,
3-wire connection
technology
RTD measuring
transformer in 6 mm
width, 4...20 mA
output-loop powered
without electrical
isolation, for
transmitting PT100
2-/3-wire signals.
Input temperature
range -40...+100 °C.**

Approvals

Approvals



ROHS

Conform

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E141197

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Approval/Certificate/Document of
Conformity

[Declaration of Conformity](#)

Engineering Data

[STEP](#)

Engineering Data

[EPLAN, WSCAD](#)

User Documentation

[Instruction sheet](#)

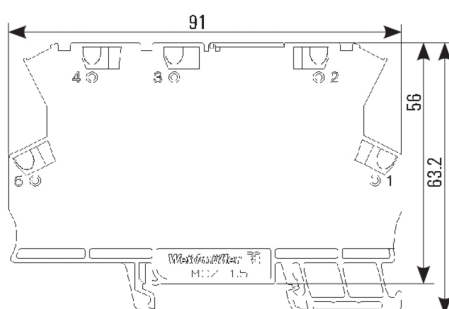
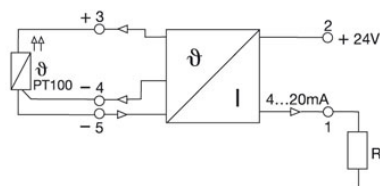
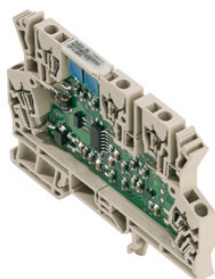
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Drawings

Connection diagram



dimensions