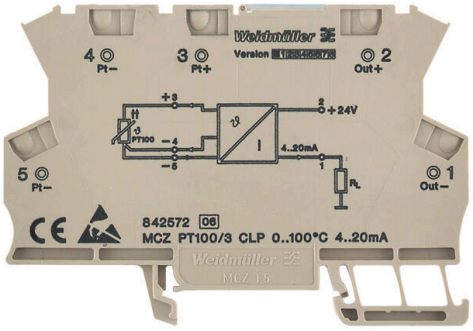
Data sheet

MCZ PT100/3 CLP 0...200C

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image, Similar to illustration





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 converter, 2-/3-wire connection technology, Output current loop powered, Tension-clamp connection, Output : 4-20 mA
Order No.	8473010000
Type	MCZ PT100/3 CLP 0...200C
GTIN (EAN)	4032248058280
Qty.	10 items

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Technical data

Approvals

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

Dimensions and weights

Depth	63.2 mm	Depth (inches)	2.4882 inch
Width	6 mm	Width (inches)	0.2362 inch
Length	91 mm	Length (inches)	3.5827 inch
Net weight	26.4 g		

Temperatures

Storage temperature	-25 °C...85 °C	Operating temperature	-25 °C...50 °C

Probability of failure

Safety integrity level (SIL) in compliance with IEC 61508	None	MTTF	1068 a

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7a, 7cI
REACH SVHC	Lead 7439-92-1
SCIP	c2a21576-d875-4548-ae68-5e7f85ddf0c7

Input

Sensor	PT100 (3 wire)	Number inputs	1
Sensor supply	0.8 mA / 9...30 V DC	Temperature input range	0...200 °C

Output

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

General data

Accuracy	Typ.: 0.2 %, máx. 0.5 % v. FSR	Protection degree	IP20
Supply voltage	Output loop powered, max. 30 V/ min. 9 V + (20 mA x RL)	Long-term drift	0
Linearity	Yes	Step response time	10 ms
Mounting rail	TS 35	Temperature coefficient	max. ± 250 ppm/K
Power consumption, nominal	2 VA	Configuration	none
Operating altitude	≤ 2000 m		

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Technical data

Insulation coordination

EMC standards	EN 61000-6	Surge voltage category	I
Pollution severity	2	Galvanic isolation	Without isolation
Rated voltage	50 V		

Connection data

Type of connection	Tension-clamp connection	Clamping range, rated connection	1.5 mm²
Conductor cross-section (rated connection), min.	0.5 mm²	Conductor cross-section (rated connection), max.	1.5 mm²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 16
Wire cross-section, solid, min.	0.5 mm²	Wire cross-section, solid, max.	1.5 mm²
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 mm²	Wire connection cross-section, finely stranded, max.	1.5 mm²
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 mm²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm²
Conductor cross-section, flexible with wire end ferrule (DIN 46228-1), min.	0.5 mm²	Conductor cross-section, flexible with wire end ferrule (DIN 46228-1), max.	1.5 mm²

Classifications

ETIM 8.0	EC002919	ETIM 9.0	EC002919
ETIM 10.0	EC002919	ECLASS 14.0	27-21-01-29
ECLASS 15.0	27-21-01-29		

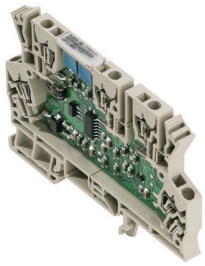
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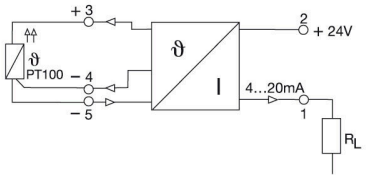
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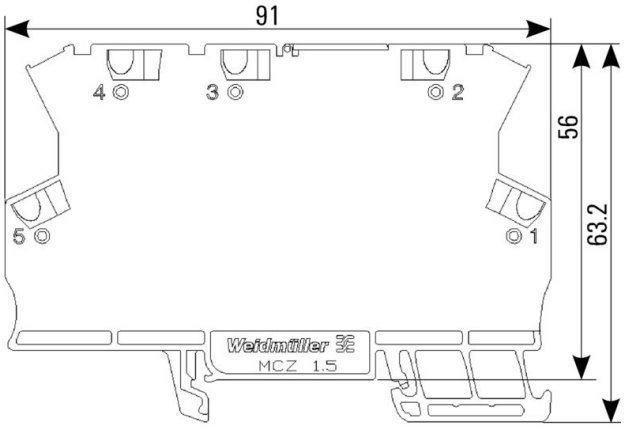
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Drawings



Connection diagram





dimensions

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