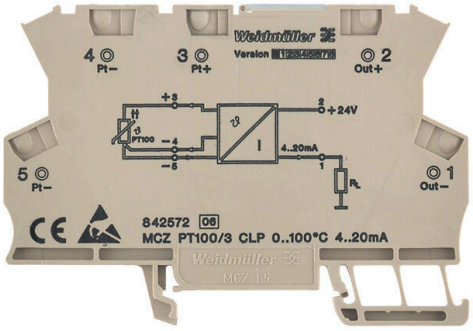
Data sheet

MCZ PT100/3 CLP -50C...+150C

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 converter, 2-/3-wire connection technology, Output current loop powered, Tension-clamp connection, Output : 4-20 mA
Order No.	8473000000
Type	MCZ PT100/3 CLP -50C...+150C
GTIN (EAN)	4032248058273
Qty.	10 items

Downloaded from Arrow.com.

Data sheet

MCZ PT100/3 CLP -50C...+150C

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

www.weidmueller.com

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	25.34 g		

Temperatures

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

Probability of failure

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, 7cl
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	-50...+150 °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
Nominal power consumption	2 VA	Configuration	none
Operating altitude	≤ 2000 m		

Downloaded from Arrow.com.

MCZ PT100/3 CLP -50C...+150C

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

www.weidmueller.com

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
Clamping range, min.	0.5 mm²	Clamping range, 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, AEH (DIN 46228-1), min.	0.5 mm²	Conductor cross-section, flexible, AEH (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		

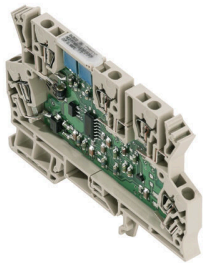
Downloaded from Arrow.com.

MCZ PT100/3 CLP -50C...+150C

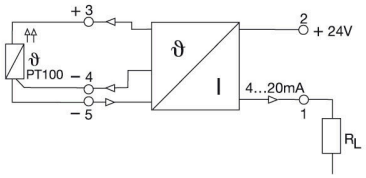
Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

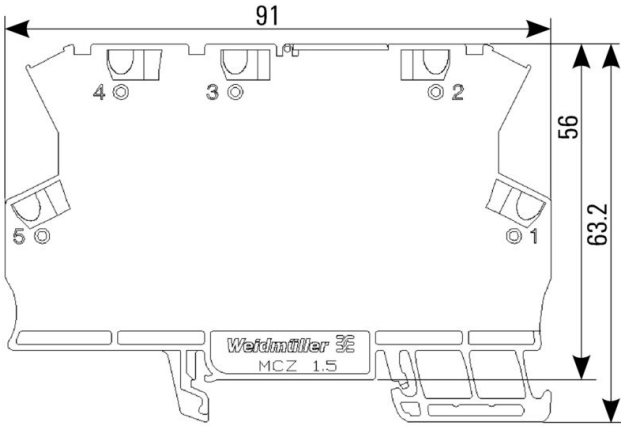
www.weidmueller.com

Drawings



Connection diagram





dimensions

Downloaded from Arrow.com.