

MCZ SERIES
MCZ PT100/3 CLP 0...100C

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
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 www.weidmueller.com



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

Type	MCZ PT100/3 CLP 0...100C
Order No.	8425720000
Version	MCZ SERIES, Temperature converter
GTIN (EAN)	4032248012664
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Length	91 mm	Length (inches)	3.583 inch
Width	6 mm	Width (inches)	0.236 inch
Depth	63.2 mm	Depth (inches)	2.488 inch
Net weight	29 g		

Temperatures

Operating temperature	-25 °C...50 °C	Storage temperature	-25 °C...85 °C
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Probability of failure

MTTF	1,066 Years
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Input

Number of inputs	1	Sensor	PT100/2-/3-wire (in compliance with IEC 751)
Sensor supply	0.8 mA / 9...30 V DC	Temperature input range	0...100 °C

Output

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

General data

Accuracy	Typical 0.2%, max. 0.5% of FSR	Configuration	none
Galvanic isolation	between input/output	Input/Output	PT100/ 4...20 mA (current loop)
Linearity	Yes	Mounting rail	TS 35
Step response time	10 ms	Supply voltage	max. 30 V/ min. 9 V + (20 mA x RL)
Temperature coefficient	max. ± 250 ppm/K		

Insulation coordination

EMC standards	EN 61000-6	Galvanic isolation	between input/output
Pollution severity	2	Rated voltage	50 V
Standards	DIN EN 50178, DIN EN 61000-4-2	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, rated connection, min.	0.5 mm ²	Clamping range, rated connection, 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 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
Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min.	0.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, 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 3.0	EC001774	ETIM 4.0	EC001774
ETIM 5.0	EC001774	ETIM 6.0	EC002919
UNSPSC	30-21-18-01	eClass 5.1	27-20-02-06
eClass 6.2	27-20-02-06	eClass 7.1	27-20-02-06
eClass 8.1	27-20-02-06	eClass 9.0	27-20-02-06
eClass 9.1	27-21-01-29		

Product information

Descriptive text accessories Cross-connectors for power supplies and markers: refer to accessories

Approvals

Approvals



ROHS Conform

Downloads

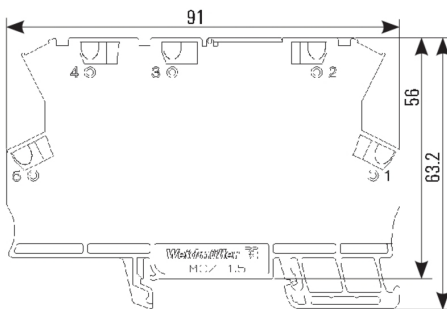
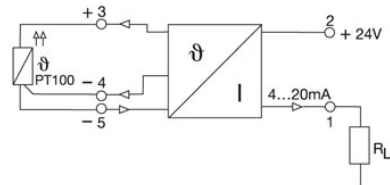
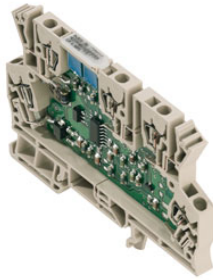
Approval/Certificate/Document of Conformity	Declaration of Conformity
Brochure/Catalogue	CAT 4.1 ELECTR 16/17 EN
Engineering Data	EPLAN, WSCAD, Zuken E3.S
User Documentation	Instruction sheet

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Drawings

Electric symbol



dimensions

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Accessories

End bracket



Klippon® Connect with clamping yoke Technology

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
EW 35	0383560000	Accessories, End bracket	400819018131450	pc(s).

ZQV 4N



Spring connection with tension clamp Technology

Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
ZQV 4N/2 GE	1758250000	Accessories, Cross-connector, 32 A	403224816979560	pc(s).
ZQV 4N/10 GE	1758260000	Accessories, Cross-connector, 32 A	403224816976420	pc(s).
ZQV 4N/4 GE	1762620000	Accessories, Cross-connector, 32 A	403224816977160	pc(s).
ZQV 4N/3 GE	1762630000	Accessories, Cross-connector, 32 A	403224816978860	pc(s).

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Accessories
Blank


WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with laser printer, PrintJet ADVANCED, plotter or MC-Mobilo is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
WS 10/6 MC	1828450000	WS, Terminal marker, 10 x 6 mm, Pitch in mm (P): 6.00	4032248350513	600 pc(s).
NE WS		Weidmueller, Allen-Bradley, White		

Accessories for MCZ


End plates: for electronic components with terminal-block design.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
AP MCZ1.5	8389030000	End plate, MCZ SERIES grey-beige, End plate, Width: 1.5 mm	4008190386849	50 pc(s).