



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



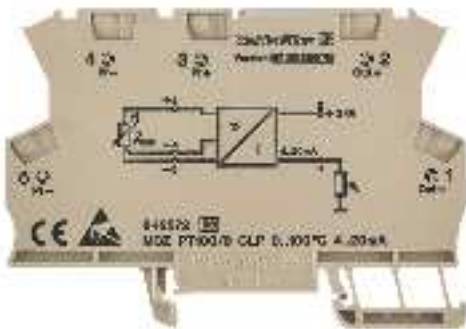
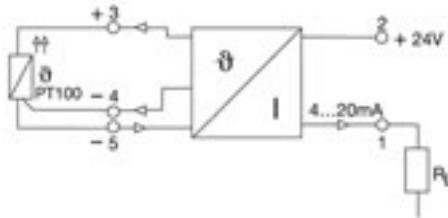
## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





#### General ordering data

Order No.	8473020000
Part designation	MCZ PT100/3 CLP 0...300C
Version	Signal converter/disconnector, 4...20 mA (current loop) , Tension clamp connection
EAN	4032248058297
Qty.	10 pc(s).

#### Input

Sensor	PT100/2-/3-conductor (to IEC 751)
Temperature input range	0...300 °C
Number of inputs	1

#### Output

Output current	4...20 mA (current loop)
Load resistance, current	≤ 600 Ω
Influence of line resistance	Max. 0.006 K/Ω
Function	3-conductor connection

### Output

Accuracy	Typical 0.2%, max. 0.5% of FSR
Linearization	Yes
Step response time	10 ms
Temperature coefficient	Max. $\pm 250$ ppm/K
Number of outputs	1

### General data

Function	PT100
Input/Output	PT100/ 4...20 mA (current loop)
Galvanic isolation	Without isolation
Type of connection	Tension clamp connection
Mounting rail	TS 35
Voltage supply	Max. 30 V/ min. 9 V + (20 mA x RL)
Ambient temperature (operational)	0 °C...+50 °C
Storage temperature	-20 °C...+85 °C

### Insulation coordination

Standards	EN 50178, EN 60751, IEC751
EMC standards	EMVG, EN 61000-6

### Dimensions

Clamping range, max.	1.5 mm <sup>2</sup>
Clamping range, min.	0.5 mm <sup>2</sup>
Clamping range, nom.	1.5 mm <sup>2</sup>
Length	91 mm
Height	63.2 mm
Width	6 mm

### Approvals

Approvals institutes



### Classifications

eClass 4.1	27-20-02-06
eClass 5.0	27-20-02-06
eClass 5.1	27-20-02-06

### Similar products

Order No.	Part designation	Version
8425720000	MCZ PT100/3 CLP 0...100C	Signal converter/disconnector, 4...20 mA (current loop) , Tension clamp connection
8483680000	MCZ PT100/3 CLP 0...120C	Signal converter/disconnector, 4...20 mA (current loop) , Tension clamp connection
8604420000	MCZ PT100/3 CLP 0...150C	Signal converter/disconnector, 4...20 mA (current loop) , Tension clamp connection

8473010000	MCZ PT100/3 CLP 0...200C	Signal converter/disconnector, 4...20 mA (current loop) , Tension clamp connection
8473000000	MCZ PT100/3 CLP -50C...+150C	Signal converter/disconnector, 4...20 mA (current loop) , Tension clamp connection
8604430000	MCZ PT100/3 CLP -40C...100C	Signal converter/disconnector, 4...20 mA (current loop) , Tension clamp connection