



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!



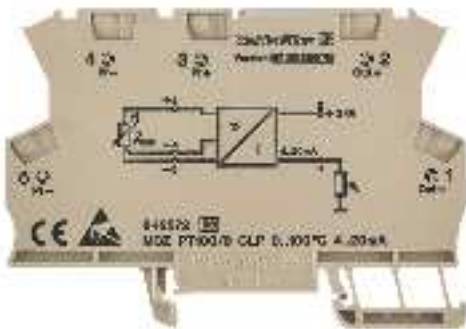
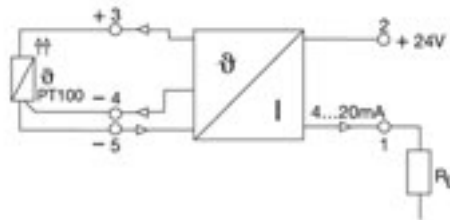
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General ordering data

| | |
|------------------|--|
| Order No. | 8473010000 |
| Part designation | MCZ PT100/3 CLP 0...200°C |
| Version | Signal converter/disconnector, 4...20 mA (current loop) , Tension clamp connection |
| EAN | 4032248058280 |
| Qty. | 10 pc(s). |

Input

| | |
|-------------------------|-----------------------------------|
| Sensor | PT100/2-/3-conductor (to IEC 751) |
| Temperature input range | 0...200 °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. ± 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 ² |
| Clamping range, min. | 0.5 mm ² |
| Clamping range, nom. | 1.5 mm ² |
| 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 |

| | | |
|------------|------------------------------|--|
| 8473020000 | MCZ PT100/3 CLP 0...300C | 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 |