

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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MCR temperature measuring transducer, for thermocouples type J, K input: 0 - 400°C, 0 - 800°C, 0 - 1000°C, 0 - 1200°C, input electrically isolated, output signal 0..10 V





Key commercial data

| Packing unit | 1 pc |
|--------------------------------------|-----------------|
| GTIN | 4 017918 126711 |
| Weight per Piece (excluding packing) | 139.0 GRM |
| Custom tariff number | 85437090 |
| Country of origin | Germany |

Technical data

Note

| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
|-------------------------|---|
| | |

Dimensions

| Width | 17.5 mm |
|--------|----------|
| Height | 99 mm |
| Depth | 114.5 mm |

Ambient conditions

| Ambient temperature (operation) | -20 °C 65 °C |
|---------------------------------------|--------------|
| · · · · · · · · · · · · · · · · · · · | 1 |

Input data

| Configurable/programmable | Yes |
|------------------------------------|------|
| Sensor types that can be used (TC) | J, K |



Technical data

Input data

| Temperature measuring range | 0 °C 400 °C |
|-----------------------------|--------------|
| | 0 °C 800 °C |
| | 0 °C 1000 °C |
| | 0 °C 1200 °C |

Output data

| Output name | Voltage output |
|---------------------------------|----------------------|
| Configurable/programmable | Yes |
| Voltage output signal | 0 V 10 V |
| Max. output voltage | 15 V |
| Output voltage with wire break | > 11 V |
| Load/output load voltage output | \geq 10 k Ω |

Power supply

| Supply voltage range | 18 V DC 30 V DC |
|--------------------------|-----------------|
| Max. current consumption | 20 mA |

Connection data

| Connection method | Pluggable screw connection |
|--|----------------------------|
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 2.5 mm ² |
| Conductor cross section AWG/kcmil min. | 24 |
| Conductor cross section AWG/kcmil max | 14 |
| Conductor cross section stranded min. | 0.2 mm ² |
| Conductor cross section stranded max. | 2.5 mm ² |
| Stripping length | 8 mm |
| Screw thread | M3 |

General

| Maximum transmission error | ≤ 1.2 % (of end value, for type K) |
|---------------------------------|---|
| | < 2 % (of end value, for type J, 0 °C 400°C and 0 °C 800°C) |
| | < 2.5 % (of end value, for type J, 0 °C 1000°C and 0 °C 1200°C) |
| Maximum temperature coefficient | < 0.02 %/K |
| Cold point error, max. | ± 4 K |
| Typical cold point errors | ± 2.5 K |
| Limit frequency (3 dB) | 30 Hz |
| Alignment zero | ± 60 K |
| Alignment span | ± 5 % (of final value) |
| Step response (10-90%) | approx. 11 ms |



Technical data

General

| Test voltage input/output | 1.5 kV (50 Hz, 1 min.) |
|---------------------------------|-----------------------------|
| Test voltage input/power supply | 1.5 kV (50 Hz, 1 min.) |
| Color | green |
| Housing material | Polyamide PA non-reinforced |
| Mounting position | any |
| Conformance | CE-compliant |
| UL, USA / Canada | cULus |

Classifications

eCl@ss

| eCl@ss 4.0 | 27200206 |
|------------|----------|
| eCl@ss 4.1 | 27200206 |
| eCl@ss 5.0 | 27200206 |
| eCl@ss 5.1 | 27200206 |
| eCl@ss 6.0 | 27200206 |
| eCl@ss 7.0 | 27200206 |

ETIM

| ETIM 2.0 | EC001446 |
|----------|----------|
| ETIM 3.0 | EC001446 |
| ETIM 4.0 | EC001446 |
| ETIM 5.0 | EC001446 |

UNSPSC

| UNSPSC 6.01 | 30211506 |
|---------------|----------|
| UNSPSC 7.0901 | 39121008 |
| UNSPSC 11 | 39121008 |
| UNSPSC 12.01 | 39121008 |
| UNSPSC 13.2 | 39121008 |

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

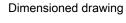


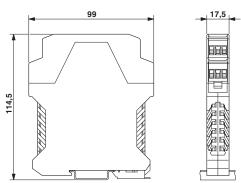
Approvals Ex Approvals Approval submitted Approval details UL Recognized ** cUL Recognized **

cULus Recognized c Sus

Drawings

GOST 💇





Circuit diagram

