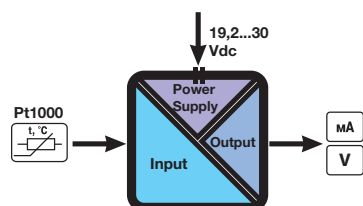


K109PT1000

PT1000 TO DC CURRENT/VOLTAGE ISOLATOR/CONVERTER



K109PT1000 is a converter for Thermoresistance PT1000 with 2,3,4 wires and provides a mA/V standard output signal. It's completely configurable through dip switches. A 3-way galvanic isolation among Power supply // input // output circuits assures the integrity of your datas.

TECHNICAL SPECIFICATIONS

General Data

| | |
|-----------------------|--|
| Power supply | 19,2..30 Vdc |
| Power consumption | 500 mW |
| Isolation | 1.500 Vac (3 way) |
| Power transducers | - |
| Accuracy | 0,1% |
| Response time | 200 ms |
| Status Indicators | Power supply, error, data transmission, data reception, input status |
| Settings | Dip- switches |
| Mounting | 35 mm DIN rail guide |
| Protection Degree | IP20 |
| Operating Temperature | -10..+60 °C |
| Dimension (W x H x D) | 17.5 x 100 x 112 mm |

Input

| | |
|-----------------|--|
| Channel Numbers | 1 |
| RTD | Pt1000 Measure 2, 3, 4 wires Range: -200..210 °C Resolution 0,1°C |

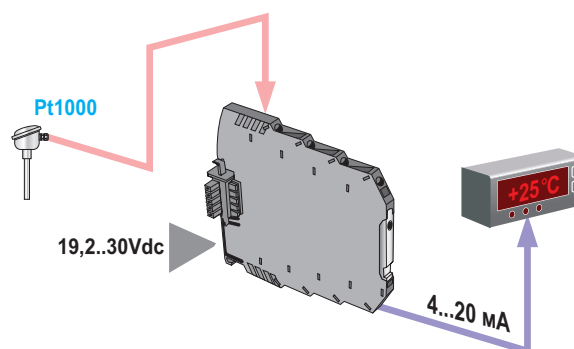
Output

| | |
|-----------------|--|
| Channel Numbers | 1 |
| Voltage | 4 scales: 0..5, 1..5, 0..10, 10..0 V Min load resistance: 2.000 Ω |
| Current | 2 scales: 0/4..20 mA (active/passive) Max load resistance: 600 Ω |

Standard

| | |
|----------|--|
| Approval | CE |
| Norms | EN 50081-2; EN 55011; EN 50082-2; EN 61000-2-2/4; EN 50140/141; EN 61010-1 |

APPLICATION NOTE



ORDER CODES

| Code | Description |
|------------|--|
| K109PT1000 | PT1000 to DC current/voltage isolator/converter, Power supply 19,2..30 Vdc |

ACCESSORIES & SOFTWARE



K-BUS
Backplane for power connection
pg. 114



K-SUPPLY
Redundant power supply module
pg. 114

SIMILAR PRODUCTS

| | | | |
|--|---|--|--|
| | | | |
| K121 Loop powered universal converter pg. 102 | Z109REG2 Universal converter to DC current/voltage isolator converter with alarm output pg. 78 | T121 loop powered universal transmitter pg. 117 | K120RTD Pt100, Ni100 loop powered converter pg. 109 |