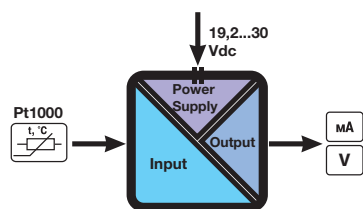


K109PT

PT100 TO DC CURRENT/VOLTAGE ISOLATOR/CONVERTER



K109PT is a converter for Thermoresistance PT100 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 / 50-60 Hz
Power consumption	500 mW
Isolation	1.500 Vac (3 way)
Transducer Power Supply	-
Accuracy	0,1%
Response time	< 50 ms (without filter) < 200 ms (with repeat filter 50 Hz)
Status Indicators	Setting error, connection malfunction, internal malfunction
Settings	Dip-switches
Mounting	35 mm DIN rail guide
Protection Degree	IP20
Operating Temperature	-20..+65 °C
Dimension (W x H x D)	6,2 x 93,1 x 102,5 mm

Input

Channel Numbers	1
RTD	Pt100, Measure 2, 3, 4 wires Range: -150..650 °C Resolution 14 bit

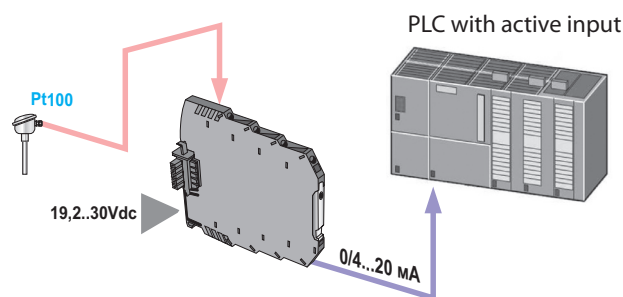
Output

Channel Numbers	1
Voltage	4 scales: 0..10, 10..0, 0..5, 1..5 V Min load resistance: 2.000 Ω
Current	2 scales: 0/4..20 mA (active/passive) Max load resistance: 500 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
K109PT	Pt100 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



Z109PT2
RTD to DC current/voltage isolator converter
pg. 91



K109PT-HPC
Pt100 (high-precision) to DC current/voltage isolator converter
pg. 107



K120RTD
Pt100, Ni100 loop powered converter
pg. 109