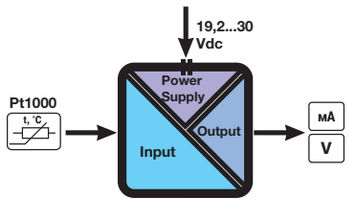


K109PT-HPC

PT100 (HIGH-PRECISION) TO DC CURRENT/VOLTAGE ISOLATOR CONVERTER

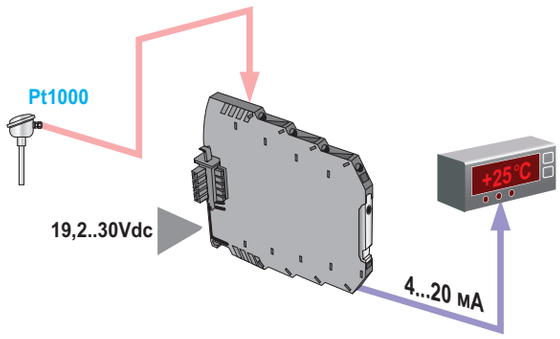


K109PT-HPC is an high performance converter for Thermoresistance PT100 with 2,3,4 wires and provides a mA/V standard output signal. The max admitted error is lower than K109PT because reported to a smaller range.
It's completely configurable through dip switches. A 3-way galvanic isolation among Power 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	< 50 ms (without filter) < 200 ms (with repeat filter 50 Hz)
Status Indicators	Settings 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: -200..160 °C Resolution 14 bit
Output	
Channel Numbers	1
Voltage	4 scales: 0..1, 0..5, 0..10, 2..10 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
K109PT-HPC	Pt100 (high-precision) 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



T120
Pt100, Ni100 loop powered transmitter
pg. 116



K120RTD
Pt100, Ni100 loop powered converter
pg. 109

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