



MV-PT100.KP10

Terminal

Plug-screw terminal
8 pin, max. 2,5 qmm

Adjust gain slope
Adjust offset / zero
LED output

1: output + KP10
2: output - (GND)
3: /

4: input 1, PT100 sensor
5: input 2, PT100 sensor
6: input 3, 3 wire PT100
Pin 5-6 must be connect
together at the RTD sensor
(3 wire connection)

7-8: supply 24V AC/DC

LED power supply

Technical Data

Input, pin 4-5-6
2 wire input:
3 wire input:

pin 4-5: PT100 RTD
pin 5-6 connect together
pin 5-6 must connect together
at the RTD sensor

Output, pin 1-2

KP10, voltage signal

Conversion
PT100→KP10

-50 - +150°C
→KP10: 2,23-4,23V

Precision
Linearity

0,3%
DIN 43 760

Power supply
Power current
Isolation supply
Operating temperature
Storage temperature
Construction
Weight
Dimensions

24V AC/DC, +-15%
max. 70mA
500 Vss
-10 - +50°C
-30 - +80°C
PCB mount. TS35, EN50022
110g
24 x 72 x 94 mm (WxHxD)

Converter for input PT100 sensor 2 or 3wire connection to output KP10 sensor voltage.
Gain correction, offset-correction effect parallel shifting of the curve, see data sheet AN B100.
Electrical isolation to power supply, LED green = power supply, LED red = output value.

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PT100.KP10

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CONVERTER MV-PT100.KP10

Input PT100 temperature sensor
Output KP10 temperature sensor
Power supply 24 V AC/DC