



MV-NI1000...

Terminal

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

Adjust gain slope
Adjust offset / zero
LED output

1: output 1, + 10V
2: output - GND
3: output 2, + 20mA

4: input 1, NI1000 sensor
5: input 2, NI1000 sensor
6: sensor supply
pin 4/6 must be connected
together (sensor supply)

7-8: supply 24V AC/DC

LED power supply

Technical Data

Input, pin 4-5-6
order type:
sensor
temperature range

Output 1, pin 1-2
output current

Output 2, pin 2-3
output load resistor

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

pin 4-5: NI1000 Type....
DIN43760 or TK5000
pin 4 to 6 connect together
order the value

0-10V (2-10V) DC
max. 20mA

0-20mA (4-20mA) DC
max. 800 ohm

0,3%
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 NI1000 sensor, gain correction, offset-correction effect parallel shifting of the curve, see sheet AN-B100.
Order the sensor type, the input temperature range and the output value for the calibration.

Example: NI1000.DIN43760 temperature range 0-100°C to 0-10V / 0-20mA (smallest range is 40 Kelvin).

Electrical isolation to power supply.

RINCK ELECTRONIC GMBH

Kleekamp 6
D-27356 Rotenburg (Wümme)
www.rinck-electronic.de
info@rinck-electronic.de

CONVERTER MV-NI1000. ..

Order the NI1000 type, the converting range and the type (DIN42760 or TK5000)

Input NI1000 (type TK5000, L&S or DIN43760)

Output 1 0-10V or 2-10V DC

Output 2 0-20mA or 4-20mA DC

Power supply 24 V AC/DC

B 304

E_MV-NI1000

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