

## MIRO TEMP. CONVERTER PT100 - 2 /3-LEAD METHOD

IN: -50°C...+150°C - OUT:0...10 V / (0)4...20 mA

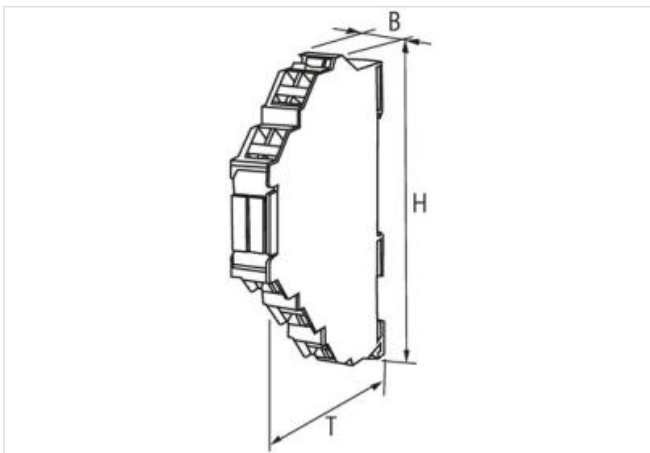
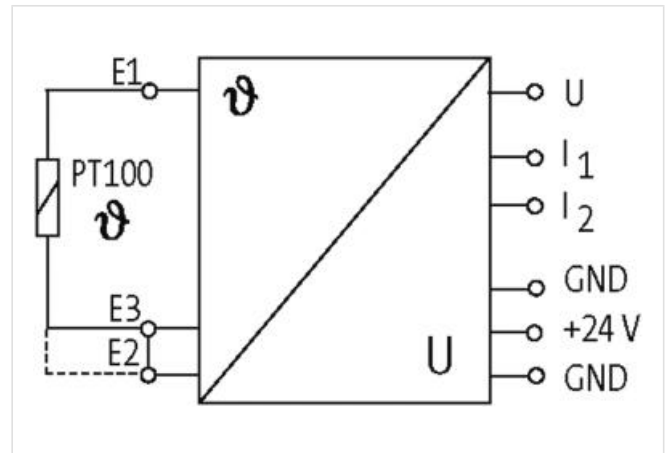
INPUT: -50...+150 °C

Spring clamp terminals

Murrelektronik's temperature converters convert a temperature into the usual signal variables (0...10 V, 4...20 mA, 0...20 mA) in conjunction with a PT100 temperature sensor (IEC 751/ EN 60751). For this purpose, the MTW modules supply a constant current which causes a voltage drop at the PT100 resistor. This is linearized and converted into the corresponding output signals at the OUT terminals. All 3 signals can be used simultaneously. The 2-wire technique can be used for short distances between PT100 sensor and MTW module (<5 m). The 3-wire measuring method must be used for longer distances to compensate the measuring line resistance. For this purpose, a 3rd line (same length and design as the two measuring lines) is required. In this case, the factory-equipped bridge connecting E2 and E3 must be removed.

### 제품 링크

#### 일러스트



실제 제품은 이미지와 다를 수 있습니다.



#### 제품자료

ECLASS-6.0

27210990

이 데이터 시트에 포함된 정보는 최대한의 주의로 작성되었습니다.  
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|             |               |
|-------------|---------------|
| ECLASS-6.1  | 27210190      |
| ECLASS-7.0  | 27210190      |
| ECLASS-8.0  | 27210190      |
| ECLASS-9.0  | 27210129      |
| ECLASS-10.1 | 27210129      |
| ECLASS-11.1 | 27210129      |
| ECLASS-12.0 | 27210129      |
| ETIM-5.0    | EC001446      |
| GTIN        | 4048879022378 |
| 세번부호        | 85437090      |
| 포장단위        | 1             |

**Electrical data**

|                          |     |
|--------------------------|-----|
| Accuracy (of full scale) | 1 % |
|--------------------------|-----|

**Electrical data | Supply**

|                           |       |
|---------------------------|-------|
| Operating voltage DC      | 24 V  |
| Operating voltage DC min. | 18 V  |
| Operating voltage DC max. | 30 V  |
| Operating current max.    | 80 mA |

**Electrical data | Output**

|                         |       |
|-------------------------|-------|
| Load max.               | 25 mA |
| Working resistance max. | 500 Ω |

**Device protection | Electrical**

|                            |     |
|----------------------------|-----|
| Overload protection output | yes |
|----------------------------|-----|

**Mechanical data | Mounting data**

|                            |                           |
|----------------------------|---------------------------|
| Mounting method            | geschnappt                |
| Suitable for mounting type | mounting rail, (EN 60715) |
| Height                     | 90 mm                     |
| Width                      | 12,4 mm                   |
| Depth                      | 70 mm                     |

**Environmental characteristics | Climatic**

|                            |       |
|----------------------------|-------|
| Operating temperature min. | 0 °C  |
| Operating temperature max. | 60 °C |

**Connection type 7**

|                          |                           |
|--------------------------|---------------------------|
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| Color contact carrier    | green                     |
| No. of poles             | 2                         |
| PIN 1                    | + 24 V DC                 |
| PIN 2                    | - 24 V DC                 |
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| Color contact carrier    | green                     |
| No. of poles             | 2                         |
| PIN 1                    | E 3                       |
| PIN 2                    | E 2                       |
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |

|                          |                           |
|--------------------------|---------------------------|
| Color contact carrier    | green                     |
| No. of poles             | 2                         |
| PIN 2                    | E 1                       |
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| Color contact carrier    | green                     |
| No. of poles             | 2                         |
| PIN 1                    | U                         |
| PIN 2                    | 0 V                       |
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| Color contact carrier    | green                     |
| No. of poles             | 2                         |
| PIN 1                    | I 1                       |
| PIN 2                    | I 2                       |
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| Color contact carrier    | green                     |
| No. of poles             | 2                         |
| PIN 1                    | 24 V DC                   |
| PIN 2                    | 0 V                       |
| Connection               | Spring clamp terminals FK |
| Family construction form | terminal                  |
| Gender                   | female                    |
| Color contact carrier    | green                     |
| No. of poles             | 2                         |
| PIN 1                    | In 1                      |
| PIN 2                    | I 2                       |