

PT1000 SENSOR WITH INTEGRATED CONVERTER

Item No.: 423.212



DESCRIPTION OF FUNCTIONS

The sensor measures the ambient temperature with a PT1000 resistance measurement. The temperature between -50 and 70°C is converted into voltage values between 0 V and 10 V.

TECHNICAL DATA

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|----------------------|--|
| Measuring range: | -50 to 50 °C |
| Supply voltage: | 15 to 24 V DC, or 24 V AC |
| Power consumption: | Max. 12 mA at 24 V DC |
| Output signal: | 0 to 10 V, min. load 5 kΩ |
| Connection terminal: | Screw terminal, max. 1,5 mm ² |
| Protection class: | IP65 |

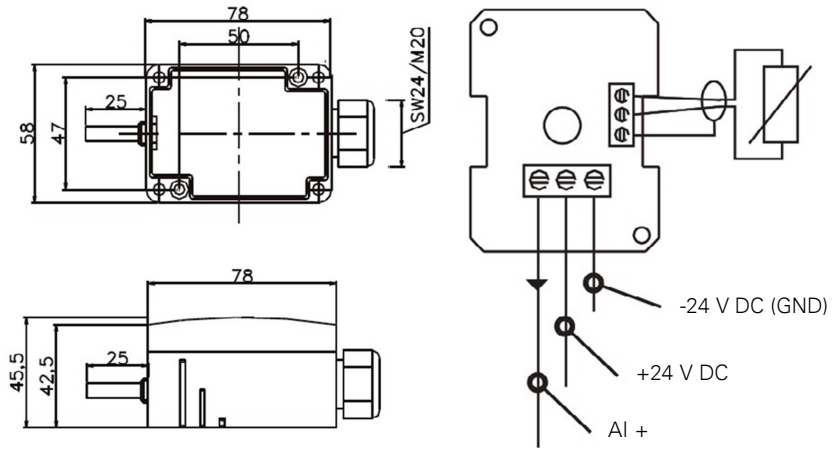
CONFIGURATION

| | |
|---------------|---------------------|
| Type: | Voltage measurement |
| Gradient: | 10 |
| Offset: | -50 |
| Abbreviation: | T_Ux* |

SPECIAL PROPERTIES

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| *Abbreviation | x is a placeholder for a consecutive number. If more than one sensor of a given type is installed, the numbering starts with 1. Otherwise, 0 is used. |
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*ENCLOSURE DIMENSIONS &
 ASSIGNMENT OF CONNECTIONS*



Dimensions in millimeters

Connection (3-line control):
 This assignment of connections only applies if the sensor is supplied via the built-in power supply unit of the data logger, as AI- and GND are bridged internally here.