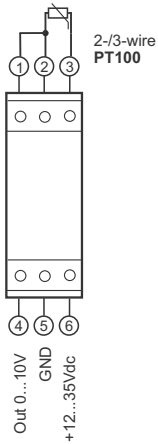
MU-PT100-U010 Analog PT100 Temperature-Transmitter

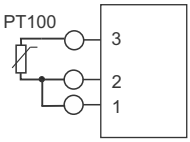
TECHNICAL DATA

Input:	PT100, 2 or 3-wire connection
Sensor type:	PT100 (DIN EN 60751)
Measuring range:	**the label:** for example. 0..200°C or -50...+100°C
Output:	0...10V
Supply voltage:	12 ... 35VDC, reverse polarity protected
Transfer characteristic:	temperature linear
Direct current:	max. 25mA + Load current
Wire resistance:	min. 1kΩ
Supply voltage min.:	min. 8V
Linearity error:	max. 0,05%
Accuracy:	max. 0,1%
Operating temperature range:	0... 50°C
Output signal on sensor failure:	0V or > 10,5V
Mounting:	35 mm-rail mounting
Connection terminals:	Screw terminals with wire protection, 0,2..2,5 mm²
Dimensions:	75 x 15 x 53 mm (h x w x d)
Material:	Polycarbonate
Housing:	EMG15
Weight:	ca. 40g



The output current follows linear at the input Temperature signal. The signal output measured between the terminals 4 and 5. Between the sensor and the supply and output current don`t be galvanic isolated connection.

Input connection diagram



In the two-wire circuit, the resistance of the cable in the measuring result. Therefore, this circuit can be selected only for short lines or low accuracy requirements. Between the terminals 1 and 2 at the transmitter a bridge must be clamped.

up to date: 022025, modification reserved and can be change any time previous notice !

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