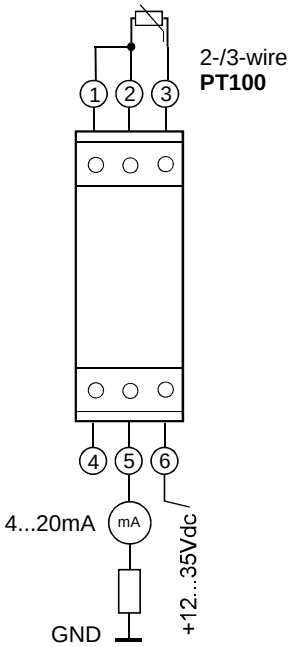
english

MU-PT100-I420 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:	4 ... 20mA
Supply voltage:	12 ... 35VDC, reverse polarity protected
Transfer characteristic:	temperature linear
Direct current:	max. 25mA + Load current
Wire resistance:	max. 50Ω (supply voltage 8V)
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:	< 3mA or > 24mA
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

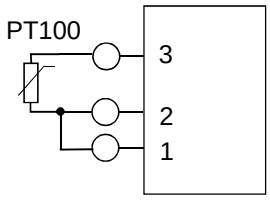


The output current follows linear at the input
Temperature signal. The current tap of the output signal is in series between the terminals 5 and 6. Between the sensor and the supply and output current don‘t be galvanic isolated connection.

Supply voltage:
Clamp 5: Current Loop
Clamp 6: +12...35Vdc

Current output 4...20mA: Current loop between the terminals 5 & 6

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: 01022014, modification reserved and can be change any time previous notice !

SURAN Industrieelektronik
Dettinger Str. 9 / D-72160 Horb a.N
Tel.: +49 (0)7451 / 625 617
Fax: +49 (0)7451 / 625 0650
E-mail : info@suran-elektronik.de
Internet : www.suran-elektronik.de