

● Characteristics

0630 - RTD PT100 - PROGRAMMABLE -



- Input RTD Pt100:	2-, 3-, 4-wire / -200...800 °C
- Input RTD Pt1000:	2-wire / -200...800 °C
- Input RTD Ni100:	2-, 3-, 4-wire / -50...170 °C
- Output:	4...20 mA
- Supply:	6...32 VDC out of current loop
- Transmission error:	Maximum 0,1% FS or 0,2 °C
- Configuration:	RFID configurator
- Connection:	Terminal screws
- Protection:	IP20
- Dimensions:	Ø45x23 mm
- Enclosure:	Synthetics PA66

● Technical data

Input

RTD Pt100:	Measuring range:	-200...800 °C
	Resistance range:	18,5...378 Ω
	Connection:	2-, 3-, 4-wire
RTD Ni100:	Measuring range:	-50...170 °C
	Resistance range:	69...223 Ω
	Connection:	2-, 3-, 4-wire
RTD Pt1000:	Measuring range:	-200...800 °C
	Resistance range:	185...3780 Ω
	Connection:	2-wire
Cable resistance:	Maximum	20 Ω

Output

Current signal:	4...20 mA
Connection:	2-wire
Signal on error:	21,5 mA or 3,8 mA (adjustable)
Range output:	Overflow: Final value +5 °C
	Underflow: Zero value -5 °C
Output protection:	ca. 30 mA

Ambient conditions

Operating temperature:	-40...85 °C
Storing temperature:	-40...105 °C
Air humidity:	30...90% rH (40 °C, no condensation)

Measuring amplifier

Resolution:	16 bit (1 μA)
Transmission error:	maximum 0,1% FS or 0,2 °C
Influence EMC:	<0,5%
Interference suppression:	50...60 Hz
Configuration:	RFID configurator (NFC)

● Applications

The transmitter is suitable in all areas where temperatures have to be measured. It is operated in a 2-wire current loop and can be customized on the application with a RFID configurator and an additional software.



● Technical data (continued)

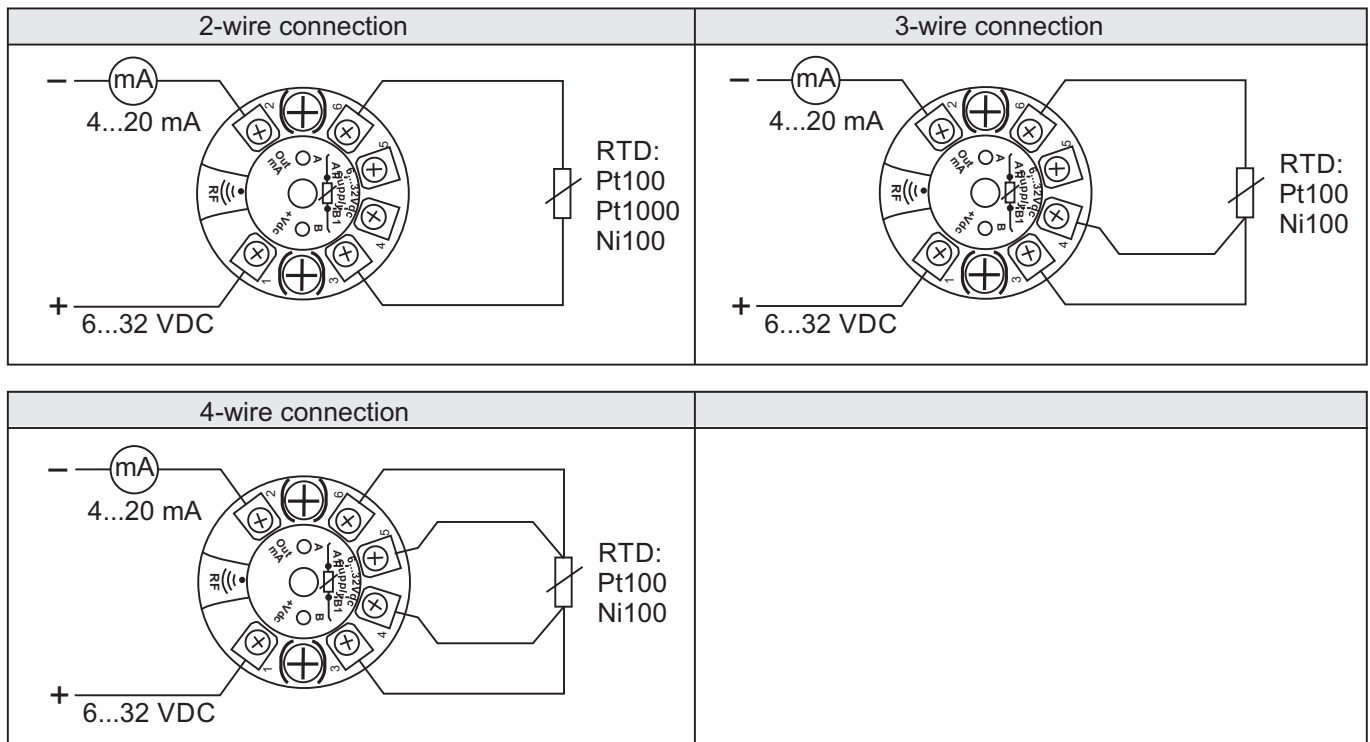
Supply

Voltage: 6...32 VDC

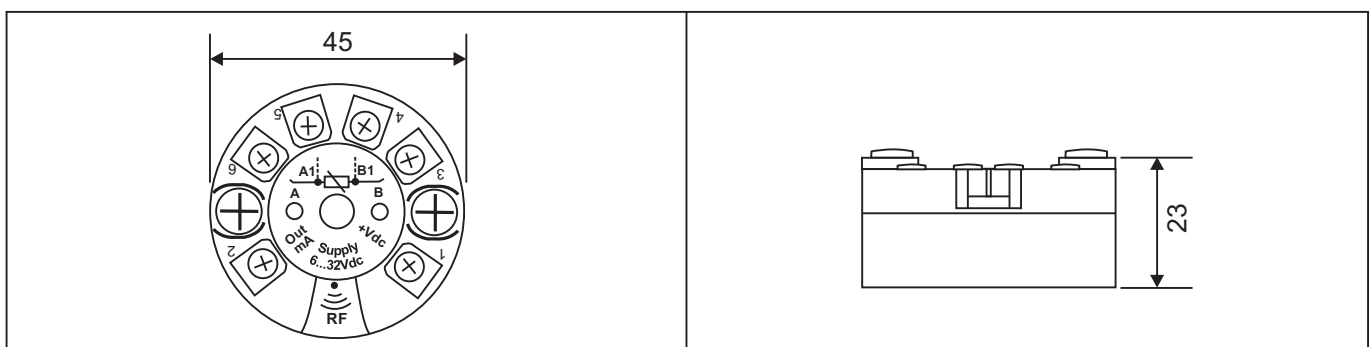
Mechanics

Enclosure: Dimensions: Ø45x23 mm
 Material: Synthetics black (PA66)
 Protection: IP 20
 Electrical connection: Terminal screws
 Cross-sectional area: 1 mm²
 Strip length: 8 mm
 Weight: ca. 35 g
 Conformity: EN 61000-6-4, EN 61000-6-2

● Electrical connection



● Dimensions (in mm)



● Order numbers

TP-RTD:	Transmitter Resistance Thermometer with factory configuration (RTD Pt100, 3-wire, 0...150 °C)	Order-No.: 600-00522
	with customized configuration (please indicate)	Order-No.: 600-00498
DEV-RP:	RFID configurator, cable, software	Order-No.: 1310-00383