

## Characteristics

0630 - PROGRAMMABLE -



- Input Type K, Type S, R:	-260...1360 °C / -40...1760 °C
- Input Type J, Type B:	-200...1200 °C / 40...1820 °C
- Input Type T, N, E:	-260...400 °C / 1280 °C / 940 °C
- Output:	4...20 mA, galvanically insulated
- 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

Type K:	Measuring range:	-260...1360 °C
Type S:	Measuring range:	-40...1760 °C
Type R:	Measuring range:	-40...1760 °C
Type J:	Measuring range:	-200...1200 °C
Type T:	Measuring range:	-260...400 °C
Type N:	Measuring range:	-260...1280 °C
Type B:	Measuring range:	40...1820 °C
Type E:	Measuring range:	-260...940 °C
Cable resistance:	Maximum	20 Ω

### Output

Current signal:	4...20 mA, galvanically insulated, linearization	
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
Storage temperature:	-40...105 °C
Air humidity:	30...90% rH (40 °C, non condensation)

### Measuring amplifier

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

## 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)

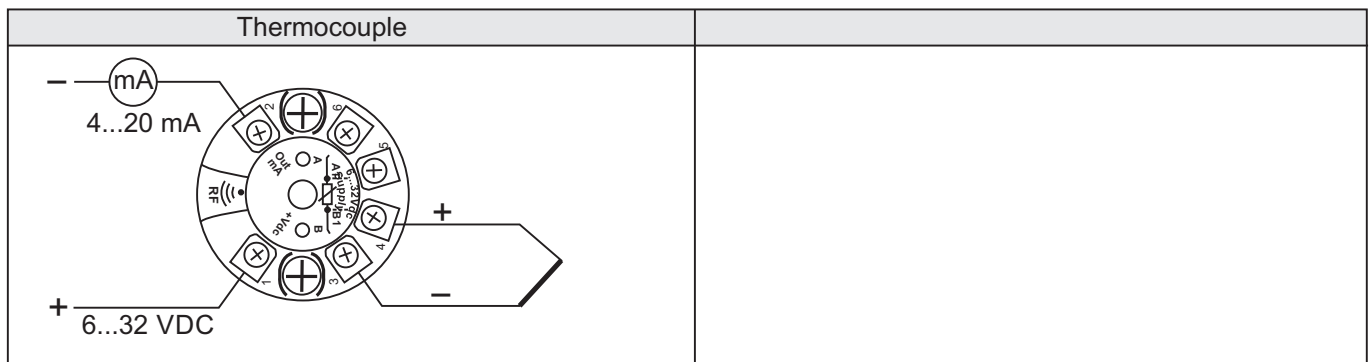
### Supply

Voltage: 6...32 VDC

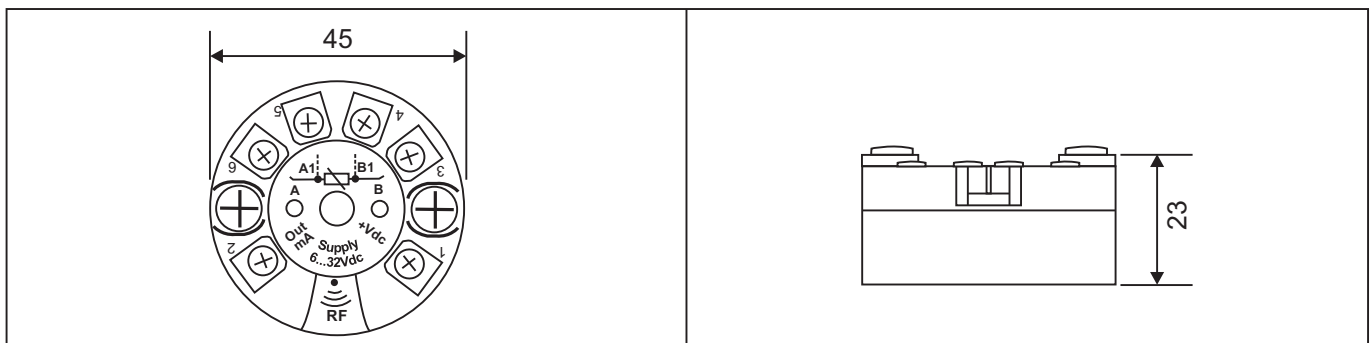
### Mechanics

Enclosure: Dimensions: Ø45x23 mm  
 Material: Synthetics black (PA66)  
 Protection: IP 20  
 Electrical connection: Terminal screws  
 Cross-sectional area: 1 mm<sup>2</sup>  
 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-TC:	Transmitter Thermocouple with factory configuration (Type K, 0...1200 °C) with customized configuration (please indicate)	Order-No.: 600-00523 Order-No.: 600-00499
DEV-RP:	RFID configurator, cable, software	Order-No.: 1310-00383

Subject to change, version 42-338