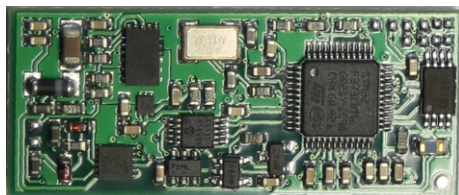


Characteristics

0630 - IO-LINK - PROGRAMMABLE -



- Input RTD Pt100:	3-wire / -200...800 °C
- Input Type J:	-210...1200 °C
- Input Type K:	-200...1372 °C
- Input Type N:	-200...1300 °C
- Accuracy:	max. 0,3% of nominal range
- Operating temperature:	-20...+80 °C
- Configuration:	IO-Link interface
- Connection:	Soldering pads
- Protection class:	IP00
- Dimensions:	40 x 17 mm
- Casing:	none

Technical Data

Eingang

RTD Pt100:	Sensor:	1x RTD Pt100
	Connection:	3-wire
	Nominal range:	-200...800 °C
	Sensor current:	0,9 mA

Thermocouple:

Type J:	Measuring range:	-210...1200 °C
Type K:	Measuring range:	-200...1372 °C
Type N:	Measuring range:	-200...1300 °C

Output

Interface:	IO-Link
Signal level:	0/24 V (as per IO-Link specification)

Environmental Conditions

Temperature:	Operating range:	-20...+80 °C
	Storage:	-40...+85 °C
Air humidity:	30...90% rH (40 °C, no condensation)	

Performance Parameters

Measuring amplifier:	Accuracy:	max. 0,3% of range + sensor error
	Resolution:	16 bit
	Filter setting:	25 s
	Measuring rate:	10 measurements/s
	Configuration:	Via software (IO-Link communication)
	Transient response:	Temperature linear
	Switch-on delay:	<5 s
	Response time:	20 ms

Applications

The transmitter is suitable in all areas where temperatures have to be measured. It can be operated either with a 3-wire Pt100 RTD or with a thermocouple. The MCTT-E transmitter can be used in a wide range of applications and can be configured via IO-Link.



● **Technical Data (Continued)**

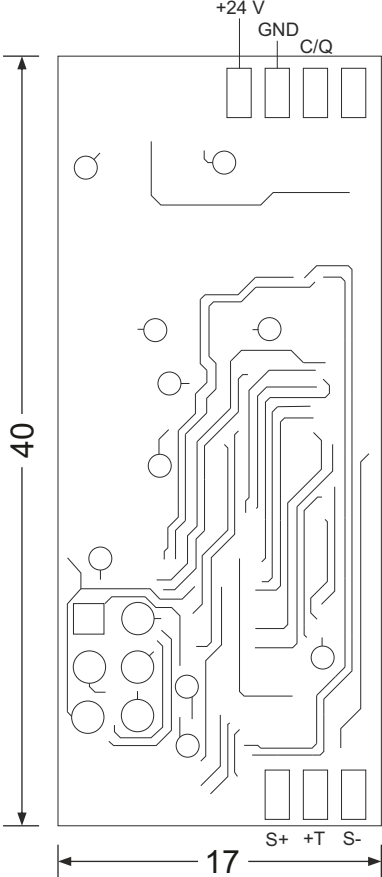
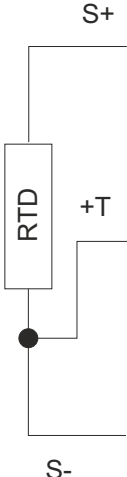
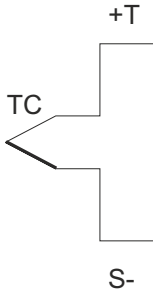
Supply

Voltage: 24 VDC
Reverse battery protection: available (no function, no damage)

Mechanics

Protection class: IP00
Electrical connection: Soldering pads (2,7 x 1,5 mm)
Weight: approx. 3,4 g
EMC Conformity: EN 61000-6-4, EN 61000-6-2

● **Electrical Connection and Dimensions (in mm)**

Dimensions (in mm)	Resistance Thermometer	Thermocouple
		

● **Order Code**

Q A X X - X X

Input:	Please specify	4				
Output:	IO-Link		1			
Configuration:	Customized (please specify) ¹			0		
Special model:	No					0
	Yes (please specify)					1

1) Factory setting is a transmitter without configuration.