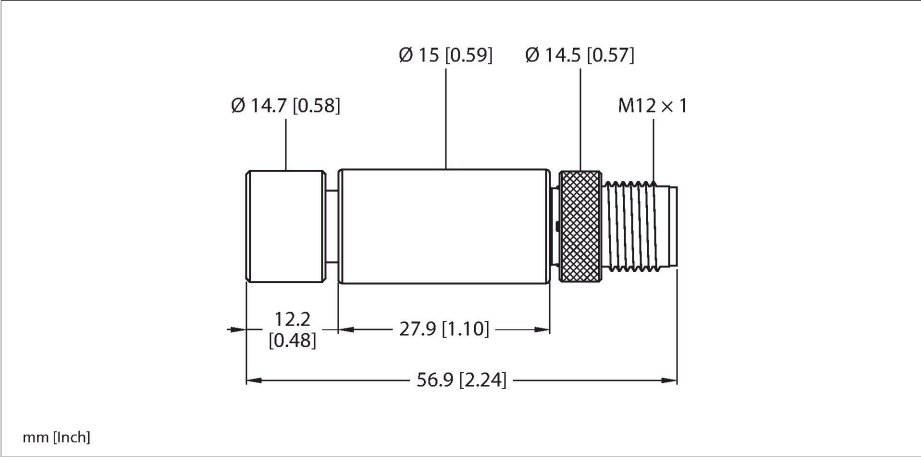


S15S-T-MQ
Temperature Sensor – With Serial Interface
RS485/Modbus RTU



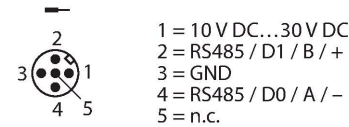
Technical data

Type	S15S-T-MQ
ID	3813163
Wireless data	
Function	Temperature/humidity sensor
Device type	Sensor
I/O data	
Output type	Modbus RTU (RS485)
Communication protocol	RS485 Modbus RTU
Electrical data	
Operating voltage	30 VDC
Mechanical data	
Design	Cylinder, threaded, S15S
Dimensions	73.7 mm
Housing material	Metal/plastic, Black
Electrical connection	Connector, M12 x 1
Antenna connection	No radio participant
Relative humidity	0...100 %
Protection class	IP67 IP68
Tests/approvals	

Features

- Temperature and humidity measurement rate: 3 s
- Relative humidity measurement range: 0...100 %
- Resolution: 0.1 %, average accuracy: 3 %
- Temperature measuring range: -40...+85 °C
- Resolution: 0.1 °C, average accuracy: 0.7 °C
- Operating voltage: 10...24 VDC or 3.6...5.5 VDC
- RS485 interface, supports Modbus RTU

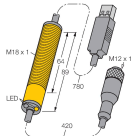
Wiring diagram



Functional principle

This sturdy sensor in a metal housing was developed to monitor vibrations and the temperature of moving machine parts. The data can be transferred to a controller via the RS485 interface, allowing an imminent failure of the machine to be detected at an early stage and corrective action to be taken. The rugged housing is IP67-rated and allows the detection of vibrations on two axes. The sensor can be mounted or stuck on the machine with the relevant accessories.

Accessories

Dimension drawing	Type	ID	
	BWA-HW-006	3081325	Converter cable, RS485 to USB 2.0 converter, female connector, M12 × 1, 5-pin, male connector, USB type A, length 1 m; supplies the connected device with 10 V. An external power supply via a Y-splitter (6634679) is recommended for the connected device