Temperature and Humidity Sensors
With Serial Interface
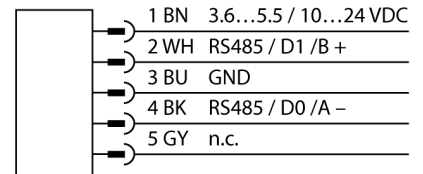# RS485/Modbus RTU
M12FTH3Q

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M12 x 1 LED 17/4 M12 x 1

40.2 29
103
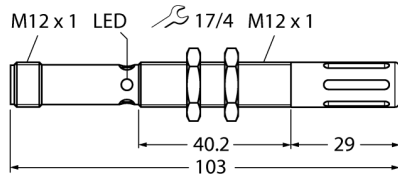
- **Rugged metal housing**
- **Ambient temperature: -40…+85 °C**
- **Protection class IP67**
- **Relative humidity: 0…100 %**
- **Resolution: 0.1 %**
- **Temperature measuring range: -40…+85 °C**
- **Resolution: 0.1 °C**
- **RS-485 Modbus**

Wiring Diagram

1 BN	3.6…5.5 / 10…24 VDC
2 WH	RS485 / D1 /B +
3 BU	GND
4 BK	RS485 / D0 /A −
5 GY	n.c.

Functional principle

This sturdy sensor in a metal housing was developed to monitor the temperatures and humidity of cooling chambers and storage rooms. The data can be transferred to a controller via the RS485 interface, thus ensuring prompt detection of exceeding or falling short of limit values. The slim housing is IP67-rated and allows temperatures to be recorded between -40 °C and +85 °C and from 0 % to 100 % relative humidity.

Type designation	M12FTH3Q
Ident no.	3025898
Function	Temperature sensor
Ambient temperature	-40…+85 °C
Operating voltage	12…24 VDC
Short-circuit protection	yes/ Cyclic
Reverse polarity protection	yes
Design	Cylinder, threaded,M12FT
Dimensions	103 mm
Housing material	Metal, Grey
Electrical connection	Connectors, M12 × 1
Protection class	IP67
Power-on indication	LED,Green