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Line Extension: Improved RFID Transceiver with IO-Link

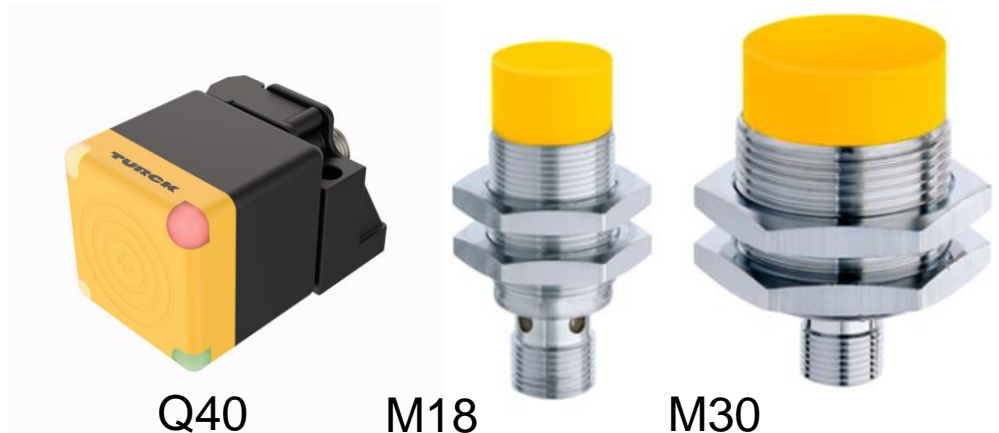


What Is It?

RFID Transceiver with IO-Link

Turck has expanded its HF RFID read/write heads with an IO-Link interface to include a Q40 rectangular housing variant. Now with the faster IO-Link COM3 interface, increased transmission rate and process data width. These read/write heads combine IO-Link and RFID to deliver a cost-effective solution for industrial applications.

- TN-M18-IOL2-H1141
- TN-M30-IOL2-H1141
- TN-Q40-IOL2-H1141



Key Features and Benefits

TN-M18-IOL2-H1141, TN-M30-IOL2-H1141, and TN-Q40-IOL2-H1141

1. Two modes – IO-Link and Standard I/O Mode (SIO) – this is a configural switching signal on the 2nd pin.
2. Faster communication – increased transmission rate of 230.4 kbps (from 26.5 kbps), process data width 256 bit (from 32 bit)
3. Faster IO-Link COM3 functionality
4. Three new alarm modes: In Range Time, RSSI (Received Signal Strength Indication), SIO Counter
5. IO-Link offers easy setup, diagnostic and identification of data
6. Improved process reliability due to condition monitoring by means of RSSI value

Additional Details

IO-Link Mode

- Bi-directional communication (Master-Device)
- Process value in 256 bit IO-Link telegram
- Transmission rate of 320.4 kbps

Standard I/O Mode (SIO)

- Switching signal depending on parameterization
 - Tag present trigger – Output when tag is present in field
 - Data match trigger – Output if stored data matches read

Set parameters via:

- Controller and IO-Link master
- PACTware and IODD
- Parameterization tag

Key Applications and Industries

Industries: Logistics, Material Handling, Automotive, and Tier Automotive Suppliers

1. Simple license plate (pallet labeling)
2. Conveyor routing (material flow “traffic cop”)
3. Gate control

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