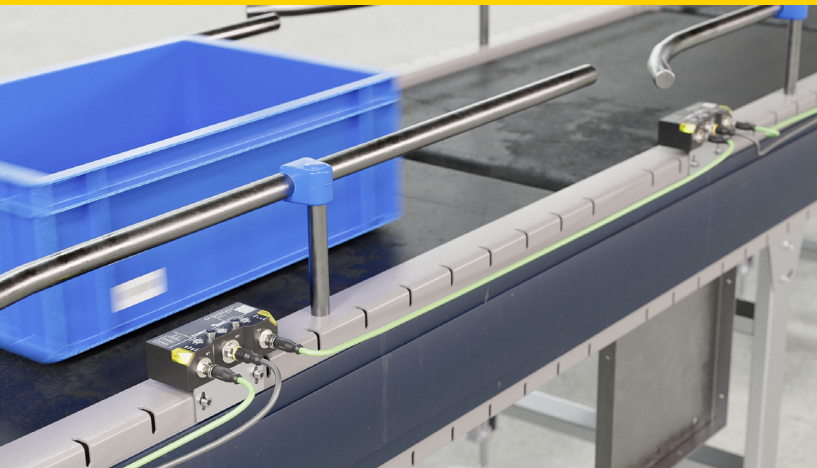


## Q130 HF RFID Read/Write Head



### Reliable Identification & Tracking

Easily read or write data to RFID tags traveling on products, tools and carriers with the all-in-one Q130 HF read/write head. The Q130 is ideal for automatic identification and tracking applications where a single read point is needed. The Q130 HF read/write head is capable of fast processing speeds to successfully read and write data carriers on the fly at high conveyor rates, for example. This innovative device reduces costs by eliminating the need for a separate interface block. Thanks to its multiprotocol interface the device automatically communicates in Profinet, Ethernet/IP or Modbus TCP networks. Integrated S2 system redundancy enables redundant communication between two controllers for added safety.

#### Easy to Integrate for Application Flexibility

The Q130's extended temperature range of -40 to +70 °C makes it useful for cold storage logistics. Plus, with a startup time of less than 500 ms, the Q130 is built for highly dynamic applications such as tool changes in which every second counts. Due to its compact size and impressive range, Turck's HF read/write head can easily be incorporated into plant and machine designs. This device is easy to integrate thanks to QuickConnect capability, reducing the effort required for installation and wiring.

Applications include conveyor transport, overhead cranes, autonomous mobile robots (AMRs) tool tracking and material handling in today's smart factories and warehouses.

### Your Benefits:

- All-in-one read/write head and Ethernet interface, eliminates need for separate block I/O and cable
- Fast processing power ensures accuracy in higher-speed applications
- Extended temperature range of -40 to +70 °C, for use in cold storage
- Multiprotocol support (Ethernet/IP, Profinet and Modbus TCP)
- High IP rating: IP69K front, IP67 rear, ensures a reliable solution in tough applications

# Technical Data

Type Designation	ID
<a href="#">TNSLR-Q130-EN</a>	100004502
<b>Technical Data:</b>	
Technology	HF RFID
Operating frequency	13.56 MHz
Radio communication and protocol standards	ISO 15693 NFC Typ 5
Data transfer	Inductive coupling
Approvals	CE UKCA UL
Radio approvals (HF)	EU/RED: Europe UK SI 2017/1206: United Kingdom FCC: USA IC: Canada MIC: Japan
<b>Electrical Data</b>	
Operating voltage	18...30 VDC
DC rated operational current	<150 mA
Inrush current	2400 mA for 1 ms
Short-circuit protection	yes
Output function	4-wire, Read/Write
Transmission Rate, Ethernet	10/100 Mbps
Web Server	Default: 192.168.1.254
<b>Mechanical Data</b>	
Mounting conditions	Non-flush, partially embeddable
Ambient temperature	-40...+70 deg C
Storage temperature	-40...+85 deg C
Design	Rectangular, Q130
Dimensions	130 x 69 x 40 mm
Housing Material	Plastic, black
Active area material	Plastic, PPS-GF30, black
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 G (11 ms)
Protection class	IP69K front, IP67 rear
Electrical connection	M12 x 1
Connection Technology, Ethernet	2 x M12, 4-pin, D-coded
Power-on indication	LED, Green

