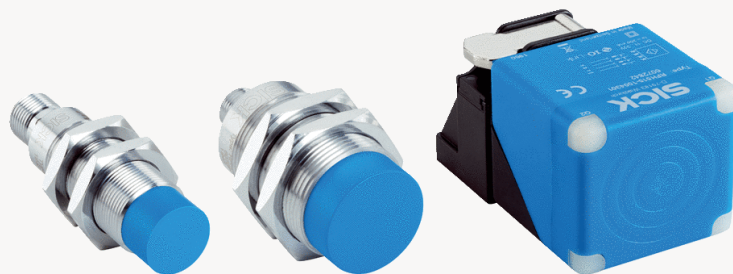


SICK.COM



PRODUCT OVERVIEW

# RFH5xx

RFID

# SICK

Sensor Intelligence



RFID

RFH5xx

HF transponder identification using a small RFID read/write device for close ranges

The RFH5xx product family is the ideal solution for machines and systems in closed production and logistics processes in which objects have to be identified in tight spaces. The clearly defined detection ranges of these HF write/read devices enable reliable singulation of transponders, even at very small object distances. In addition, the small designs of the RFH5xx offer the right solution for nearly any installation situation. Devices can also be integrated into a variety of control systems via the IO-Link interface. The COM3 transmission protocol and the process data size of 32 bytes support even extensive reading and writing tasks.

RFH5xx AT A GLANCE

BENEFITS

- Different designs and sizes available - for more flexibility when installing into machines and systems
- Reliable singulation of transponders, even at minimal object distances, over small and clearly-defined detection ranges
- Also masters extensive reading and writing tasks thanks to the COM3 transmission protocol and process data size of 32 bytes
- Easy and flexible integration into various control systems thanks to IO-Link
- Quick and convenient installation as only a few parameter settings are required

FEATURES

- Reading and writing of transponders in accordance with ISO/IEC 15693
- Types: M18, M30 and 40 x 40 mm
- Read range: Up to 80 mm
- IO-Link interface: COM3 data transmission rate (230.4 kBaud), process data size 32 bytes
- Standard IO mode for operation as binary sensor
- Rugged design in accordance with IP67
- Ambient temperature: -25 °C to +80 °C

TECHNICAL DATA OVERVIEW

|                  |                                                |
|------------------|------------------------------------------------|
| Product category | RFID read/write device with integrated antenna |
| Frequency band   | HF (13.56 MHz)                                 |
| Version          | Short Range                                    |
| Reading range    | ≤ 35 mm ... ≤ 80 mm                            |
| IO-Link          | ✓ , IO-Link V1.1                               |
| Weight           | 37 g ... 108 g                                 |

Select the right product variant and accessories directly online. There you will also find example applications as well as downloads such as CAD dimensional models, operating instructions and software.

[www.sick.com/RFH5xx](http://www.sick.com/RFH5xx)



SICK AG  
WALDKIRCH  
GERMANY  
SICK.COM

# SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnership with our customers is more than just a promise: Together, we optimize productivity, elevate quality, protect health and safety, and sustain the future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions.

**SICK**  
Sensor Intelligence