



PRODUCT OVERVIEW

RFID antennas

Antennas

SICK

Sensor Intelligence



ANTENNAS

RFID antennas

The right external HF or UHF antenna for your RFID applications

Industry-compliant RFID antennas from SICK are available for both the HF and UHF frequency ranges. The different designs offer the right antenna for numerous applications and installation situations. The rugged design is developed specially for demanding application conditions in industry and in outdoor areas. Depending on the antenna and transponders, read ranges of up to 300 mm (HF) and 10 m (UHF) can be achieved. The RFH630 (HF) and RFU63x (UHF) RFID read/write devices from SICK can be used for antenna operation. The RFU63x offers facilities for connecting several antennas – to solve demanding reading situations.

RFID antennas AT A GLANCE

BENEFITS

- Optimally aligned antenna characteristics prevent faulty readings, therefore ensuring high process stability
- Reliable operation thanks to rugged design - even under rough industrial environments
- Low-cost extension of the detection range due to the connection of several external antennas to an RFU63x
- Large ambient temperature range enables reliable use even under extreme weather conditions
- Omni-directional reading of transponders thanks to circular antenna polarization

FEATURES

- Read range up to 10 m for UHF antennas
- Rugged design in accordance with enclosure rating IP67
- Ambient temperature ranges from $-40\text{ }^{\circ}\text{C}$ to $+70\text{ }^{\circ}\text{C}$
- Integrated feedback LEDs
- Circularly polarized UHF antennas

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/RFID_antennas



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.

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