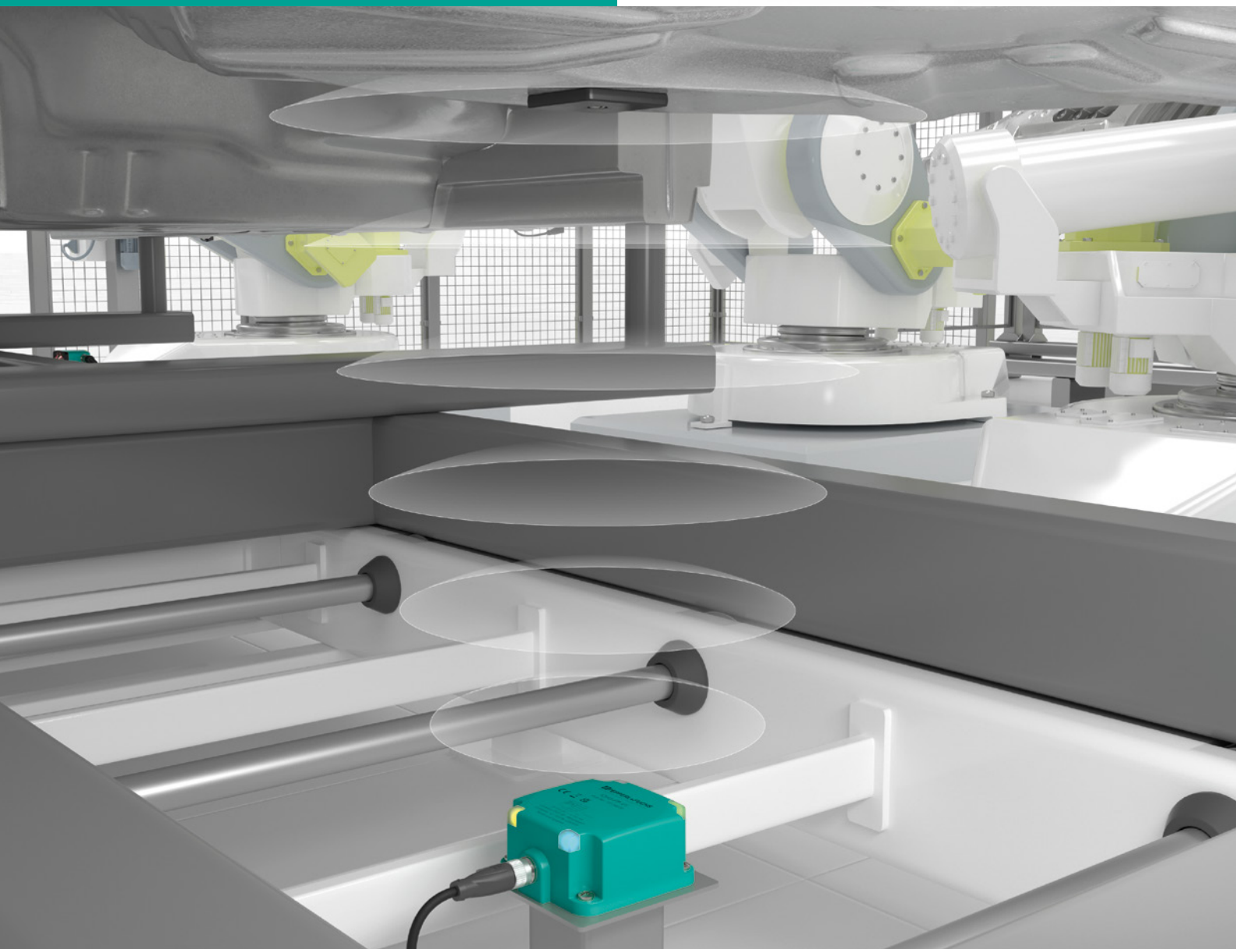
More than HF.

Intelligent identification system—IO-Link, multitag, and unparalleled read range of 30 cm.

HF RFID Read/Write Devices
IQH3 and IQT3



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RFID Read/Write Devices IQH3 and IQT3

Unparalleled Read Range, Maximum Flexibility

The IQH3-FP-V1 and IQT3-FP-IO-V1 RFID read/write devices combine the advantages of a high read range with a wide variety of helpful additional features. Based on the proven high-frequency RFID technology (13.56 MHz) in accordance with ISO 15693, the devices are especially suitable for guided industrial applications.

Focus on Flexibility

The read/write devices of the IQH3 (IDENTControl interface) and IQT3 (IO-Link interface) series can be integrated into architectures such as PROFINET, EtherNet/IP, or EtherCAT. Both versions offer a read range of up to 30 cm (adjustable) and support multitag detection, in which up to 20 tags can be detected simultaneously in just one read operation. This ensures quick throughput times and optimized processes.

Reliable Detection with Additional Functions

By testing their own resonance frequency, the devices can detect and automatically adapt to interferences caused by the installation situation, surrounding materials, or interfering radiation. Any faults and errors are clearly indicated by a red status LED and can be traced in more detail via software parameters. The output of received signal strength indicator (RSSI) values allows for the early replacement of defective tags, for example.

Highlights

- Maximum application flexibility provided by an extended read range of up to 30 cm
- Particularly wide sensing range and multitag capability for optimum adaptation to the individual application
- Reliable processes due to automatic adjustment to environmental interferences and output of RSSI values
- Future-proof automation: IO-Link for seamless integration in Industry 4.0 applications

For more information, visit
pepperl-fuchs.com/pf-IQH3-IQT3

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