


# RFID Transponder

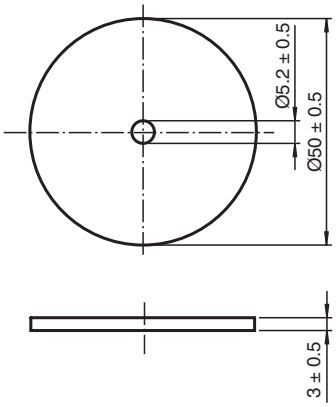
# IQC33-50 25pcs

- Operating frequency 13.56 MHz
- Conforms to ISO 15693
- 64 bit Fixcode
- 2000 bytes memory available
- Unlimited writeable
- Degree of protection IP68
- Readable and writable from both sides
- Mounting holes for simple installation

Data carrier

CE

## Dimensions




## Technical Data

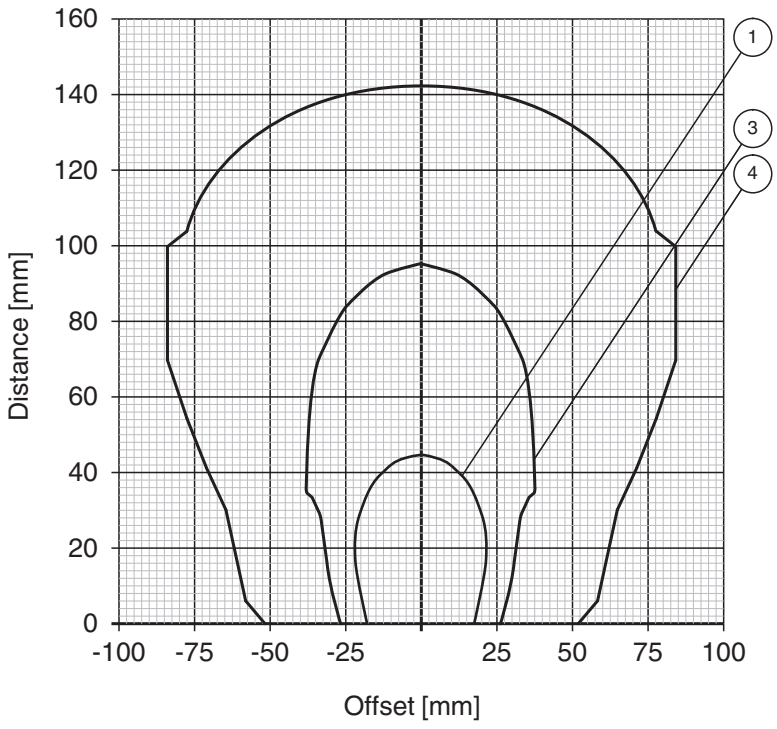
| | |
|---|---|
| **General specifications** | |
| Operating frequency | 13.56 MHz |
| Transfer rate | 26 kBit/s |
| **Memory** | |
| Chip Type | FRAM MB89R118 (Fujitsu) |
| FRAM | 16 kBit |
| UID | 64 Bit |
| Memory organization | 8 bytes/block |
| Read cycles | unlimited |
| Write cycles | unlimited |
| Data retention period | 10 years |
| **Directive conformity** | |
| Radio equipment | |
| Directive 2014/53/EU | EN 300330 |
| RoHS | |
| Directive 2011/65/EU (RoHS) | EN 50581 |

Release date: 2020-03-31 Date of issue: 2020-03-31 Filename: 288646_eng.pdf

## Technical Data

| | |
|---|---|
| **Standard conformity** | |
| Degree of protection | EN 60529 |
| RFID | ISO/IEC 15693-1<br>ISO/IEC 15693-2<br>ISO/IEC 15693-3<br>ISO/IEC 18000-3 |
| **Ambient conditions** | |
| Ambient temperature | -40 ... 85 °C (-40 ... 185 °F) |
| Storage temperature | -40 ... 85 °C (-40 ... 185 °F)<br>160 °C (320 °F) for 50 hours<br>220 °C (428 °F) for 30 min |
| **Mechanical specifications** | |
| Degree of protection | IP68 |
| Material | |
| Housing | PA 6 |
| Installation | |
| In air | yes |
| Mass | 5 g |
| Construction type | Cylindrical |
| Note | Packaging unit, 25-piece |

Reading range in air IQC33-50




1 IQH1-18GM-V1 2 IQH1-F61-V1 3 IQH1-FP-V1

4 IQH1-F15-V1

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## Accessories

| | | |
|---|---|---|
|  | **ICZ-MH50-10-T10** | Spacers for code/data carrier |

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## Application

The transponder can be read and written from either side.

## Safety Information

High temperatures will cause the housing to expand.
If the housing is assembled under mechanical stress, the resulting pressure may damage the tag.
Install the tag loosely to allow for expansion due to high temperatures.

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