



## RFID Transponder

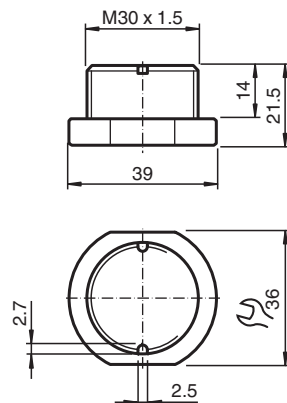
### IQC21-39

- Operating frequency 13.56 MHz
- Conforms to ISO 15693
- 64 bit Fixcode
- 896 bits memory available
- Degree of protection IP67
- Resistant to welding bead formation

Data carrier



## Dimensions



## Technical Data

### General specifications

|                     |           |
|---------------------|-----------|
| Operating frequency | 13.56 MHz |
| Transfer rate       | 26 kBit/s |

### Memory

|                       |                            |
|-----------------------|----------------------------|
| Chip Type             | I-CODE SLI (NXP)           |
| EEPROM                | 896 Bit                    |
| UID                   | 64 Bit                     |
| Memory organization   | 4 bytes/block              |
| Read cycles           | unlimited                  |
| Write cycles          | > 100000                   |
| Data retention period | 10 years at 55 °C (131 °F) |

### Directive conformity

|                             |           |
|-----------------------------|-----------|
| Radio equipment             |           |
| Directive 2014/53/EU        | EN 300330 |
| RoHS                        |           |
| Directive 2011/65/EU (RoHS) | EN 50581  |

Release date: 2020-03-26 Date of issue: 2020-03-27 Filename: 245788\_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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 **PEPPERL+FUCHS**

## 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 |

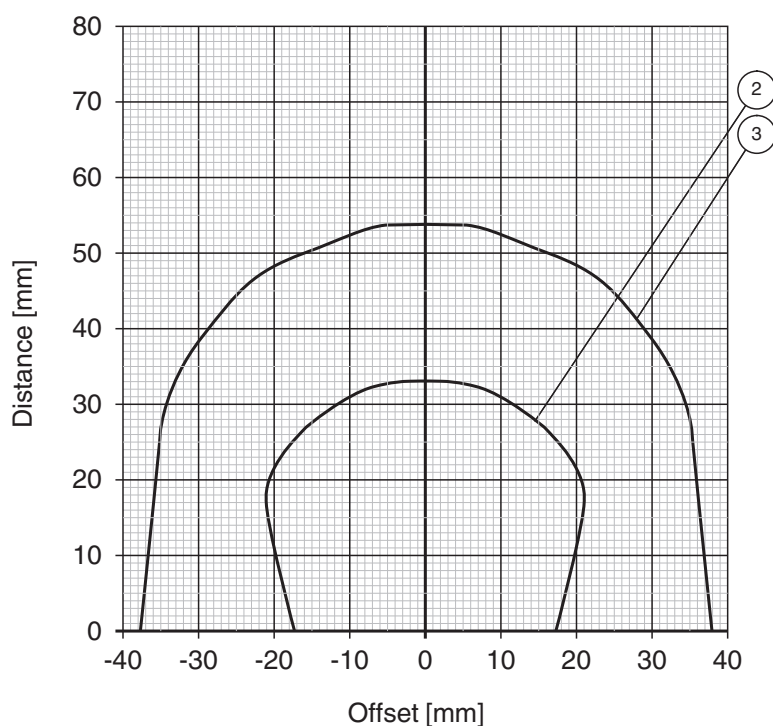
### Ambient conditions

|                     |                                |
|---------------------|--------------------------------|
| Ambient temperature | -25 ... 70 °C (-13 ... 158 °F) |
| Storage temperature | -40 ... 85 °C (-40 ... 185 °F) |

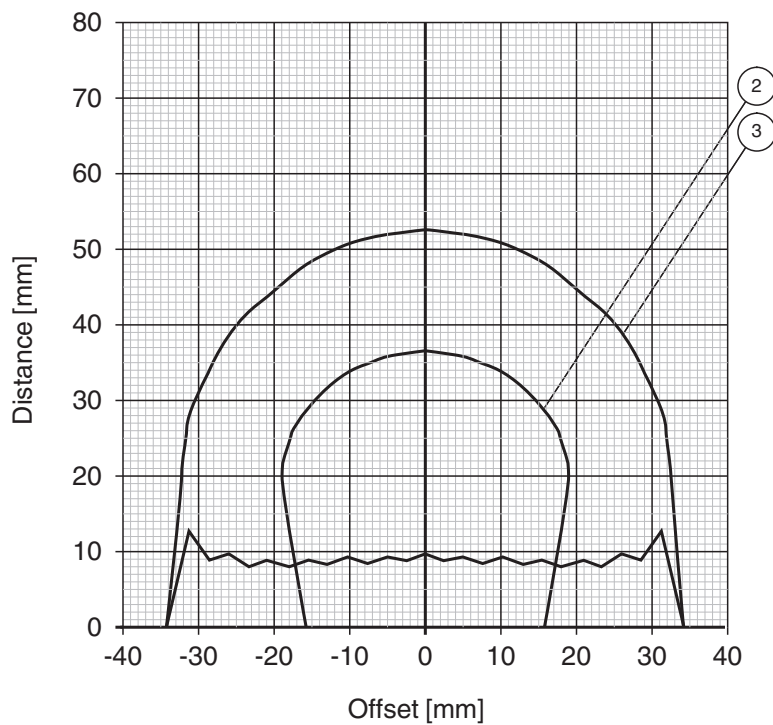
### Mechanical specifications

|                        |                |
|------------------------|----------------|
| Degree of protection   | IP67           |
| Material               |                |
| Base                   | PP             |
| Encapsulation compound | WEVO 403FL/300 |
| Covering               | POM            |
| Installation           |                |
| In metal               | yes            |
| On metal               | yes            |
| In air                 | yes            |
| Mass                   | 23 g           |
| Construction type      | Cylindrical    |

Reading range in air IQC21-39\*



Reading range on steel IQC21-39\*



- ① IQH1-18GM-V1    ② IQH1-F61-V1    ③ IQH1-FP-V1  
 ④ IQH1-F15-V1