

# RFID Transponder

## IQC21-8 10pcs

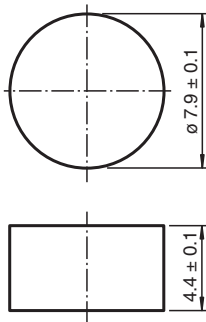


- Operating frequency 13.56 MHz
- Conforms to ISO 15693
- 64 bit Fixcode
- 896 bits memory available
- Degree of protection IP67
- Packaging unit: 10 pieces

Data carrier



### Dimensions



### Technical Data

#### General specifications

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

#### Memory

|                       |                   |
|-----------------------|-------------------|
| Chip Type             | I-CODE SLIX (NXP) |
| EEPROM                | 896 Bit           |
| UID                   | 64 Bit            |
| Memory organization   | 4 bytes/block     |
| Read cycles           | unlimited         |
| Write cycles          | 100000            |
| Data retention period | 50 years          |

#### Directive conformity

|                             |              |
|-----------------------------|--------------|
| Radio equipment             |              |
| Directive 2014/53/EU        | EN 300330    |
| RoHS                        |              |
| Directive 2011/65/EU (RoHS) | IEC/EN 63000 |

#### 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 |

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

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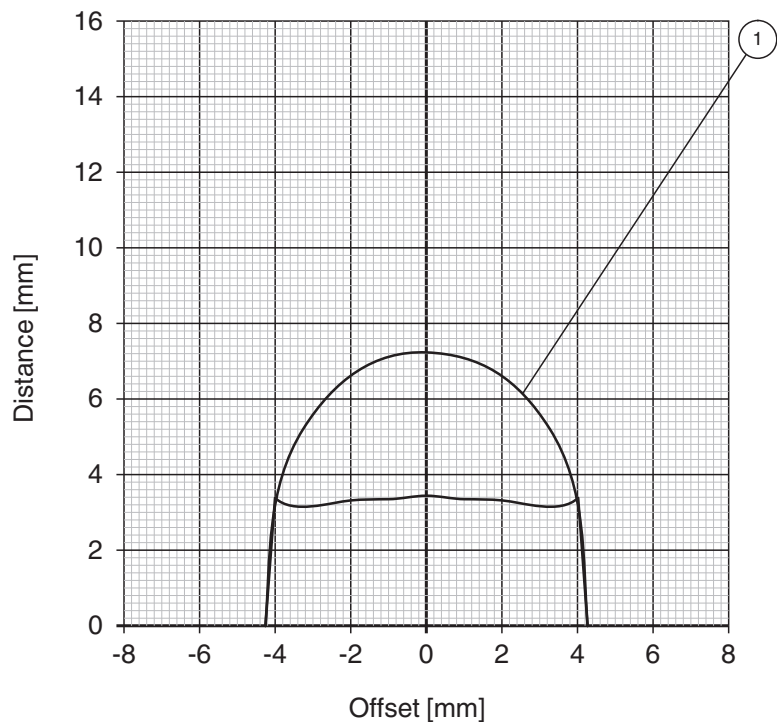
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 **PEPPERL+FUCHS**

Technical Data

|                           |  |                                |
|---------------------------|--|--------------------------------|
| 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                  |  |                                |
| Housing                   |  | PBT                            |
| Encapsulation compound    |  | CY 221/HY 2966                 |
| Installation              |  |                                |
| In metal                  |  | yes                            |
| On metal                  |  | yes                            |
| In air                    |  | yes                            |
| Dimensions                |  |                                |
| Height                    |  | 4.4 mm                         |
| Height tolerance          |  | ± 0.1 mm                       |
| Diameter                  |  | 7.9 mm                         |
| Diameter tolerance        |  | ± 0.1 mm                       |
| Construction type         |  | Cylindrical                    |
| Note                      |  | Packaging unit, 10-piece       |

Reading range in steel IQC21-8



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