

# RFID Transponder

## IQC21-C1 10pcs

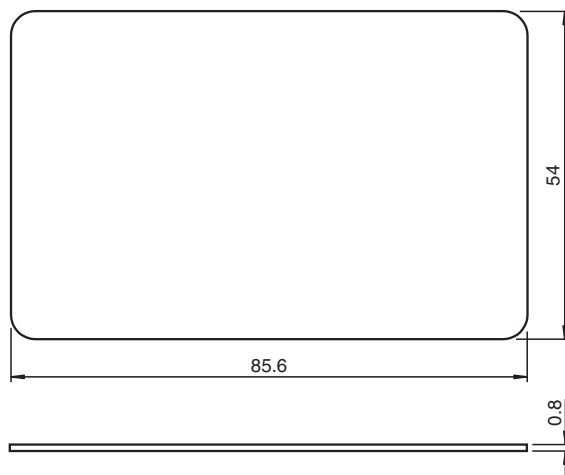


- Operating frequency 13.56 MHz
- Conforms to ISO 15693
- 64 bit Fixcode
- 896 bits memory available
- Readable and writable from both sides
- Degree of protection IP68
- ISO credit card format

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 | 10 years          |

#### Directive conformity

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

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

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## 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 ... 50 °C (-13 ... 122 °F) |
| Storage temperature | -25 ... 50 °C (-13 ... 122 °F) |

### Mechanical specifications

|                      |                          |
|----------------------|--------------------------|
| Degree of protection | IP68                     |
| Material             |                          |
| Housing              | PVC                      |
| Installation         |                          |
| In air               | yes                      |
| Mass                 | 6 g                      |
| Construction type    | Card                     |
| Note                 | Packaging unit, 10-piece |

## Application

The transponder can be read and written from either side.

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