



# RFID Transponder

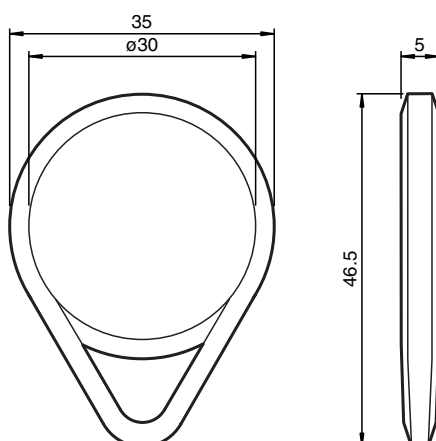
## IPC03-20K4

- Battery-free data carrier
- 32 bit fixcode
- 928 bits memory available
- Readable and writable from both sides
- Degree of protection IP67
- Key fob

Data carrier



## Dimensions



## Technical Data

### General specifications

|                     |          |
|---------------------|----------|
| Operating frequency | 125 kHz  |
| Transfer rate       | 2 kBit/s |
| Color               | blue     |

### Memory

|                       |                                   |
|-----------------------|-----------------------------------|
| Chip Type             | EM4450 Titan (EM Microelectronic) |
| EEPROM                | 928 Bit                           |
| 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  |

### Standard conformity

Release date: 2020-03-23 Date of issue: 2020-03-27 Filename: 204510\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

**PEPPERL+FUCHS**

**Technical Data**

|                                  |                               |
|----------------------------------|-------------------------------|
| Degree of protection             | EN 60529                      |
| RFID                             | ISO/IEC 18000-2               |
| <b>Ambient conditions</b>        |                               |
| Ambient temperature              | -20 ... 80 °C (-4 ... 176 °F) |
| Storage temperature              | -20 ... 80 °C (-4 ... 176 °F) |
| <b>Mechanical specifications</b> |                               |
| Degree of protection             | IP67                          |
| Material                         |                               |
| Housing                          | PC (Polycarbonate)            |
| Installation                     |                               |
| In air                           | yes                           |
| Construction type                | Key fob                       |

## Application

The transponder can be read and written from either side.

Release date: 2020-03-23 Date of issue: 2020-03-27 Filename: 204510\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

 **PEPPERL+FUCHS**