

# RFID Transponder

## IPC02-16 50pcs



- Battery-free code carrier
- 40 bit fix code
- Readable from both sides
- Degree of protection IP68
- Packaging unit: 50 pieces

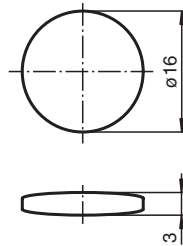
Code carrier



### Application

The transponder can be read from either side.

### Dimensions



### Technical Data

#### General specifications

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

#### Memory

|                       |                                    |
|-----------------------|------------------------------------|
| Chip Type             | EM4102 Unique (EM Microelectronic) |
| Read cycles           | unlimited                          |
| Data retention period | > 10 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 |
|----------------------|----------|

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

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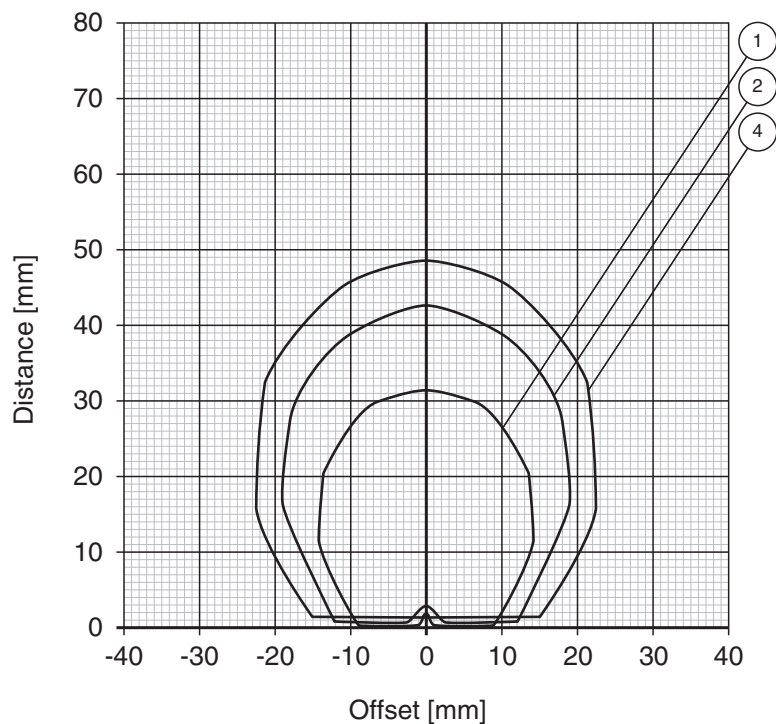
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Technical Data

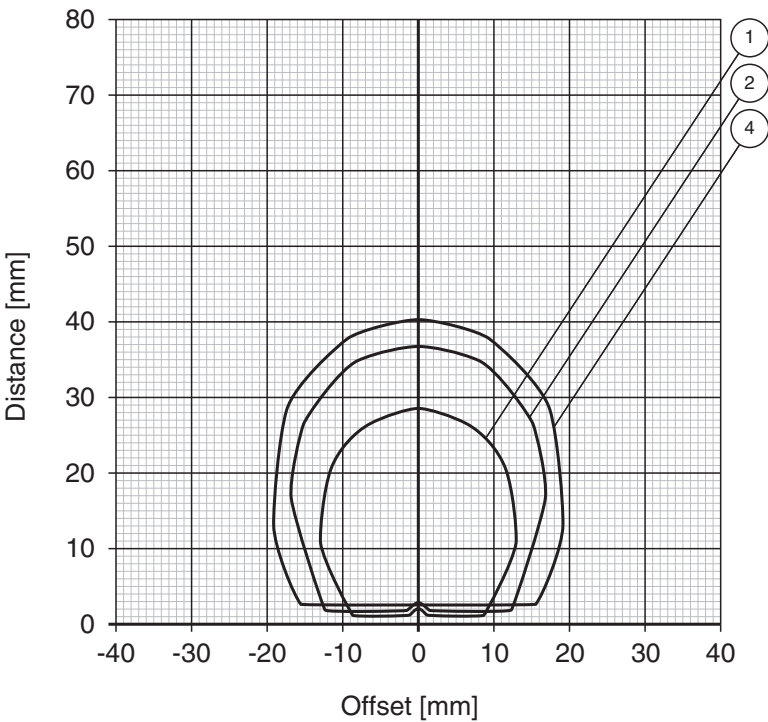
|                           |                                 |
|---------------------------|---------------------------------|
| RFID                      | ISO/IEC 18000-2                 |
| Ambient conditions        |                                 |
| Ambient temperature       | -25 ... 85 °C (-13 ... 185 °F)  |
| Storage temperature       | -25 ... 100 °C (-13 ... 212 °F) |
| Mechanical specifications |                                 |
| Degree of protection      | IP68                            |
| Material                  |                                 |
| Housing                   | Epoxy (black)                   |
| Installation              |                                 |
| On metal                  | yes                             |
| In air                    | yes                             |
| Dimensions                |                                 |
| Height                    | 3 mm                            |
| Diameter                  | 16 mm                           |
| Construction type         | Cylindrical                     |
| Note                      | Packaging unit, 50-piece        |

Read distance in air IPC02-16

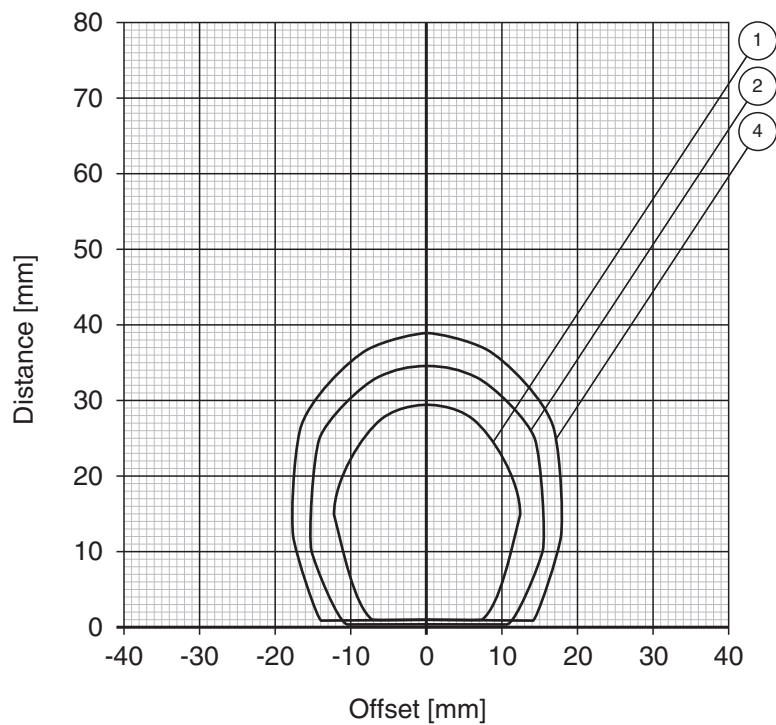


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Reading range on aluminium IPC02-16



Reading range on steel IPC02-16



- |               |             |              |              |
|---------------|-------------|--------------|--------------|
| ① IPH-18GM-V1 | ③ IPH-F61   | ⑤ IPH-FP-V1  | ⑦ IPT1-FP-V1 |
| ② IPH-30GM-V1 | ④ IPH-L2-V1 | ⑥ IPH-F15-V1 |              |

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