

# RFID Transponder

## IPC03-12.4 10pcs

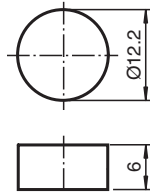


- Battery-free data carrier
- 32 bit fixcode
- 928 bits memory available
- Flush mounting in metal
- Degree of protection IP67

Data carrier



### Dimensions



### Technical Data

| <b>General specifications</b> |                                   |
|-------------------------------|-----------------------------------|
| Operating frequency           | 125 kHz                           |
| Transfer rate                 | 2 kBit/s                          |
| <b>Memory</b>                 |                                   |
| Chip Type                     | EM4450 Titan (EM Microelectronic) |
| EEPROM                        | 928 Bit                           |
| Read cycles                   | unlimited                         |
| Write cycles                  | > 100000                          |
| Data retention period         | 10 years at 55 °C (131 °F)        |
| <b>Directive conformity</b>   |                                   |
| Radio equipment               |                                   |
| Directive 2014/53/EU          | EN 300330                         |
| RoHS                          |                                   |
| Directive 2011/65/EU (RoHS)   | IEC/EN 63000                      |
| <b>Standard conformity</b>    |                                   |
| Degree of protection          | EN 60529                          |
| RFID                          | ISO/IEC 18000-2                   |

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

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## Technical Data

### Ambient conditions

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

### Mechanical specifications

|                        |                          |
|------------------------|--------------------------|
| Housing height         | 6 mm                     |
| Housing diameter       | 12.1 mm + 0.2 mm         |
| Degree of protection   | IP67                     |
| Material               |                          |
| Housing                | PBT                      |
| Encapsulation compound | PU                       |
| Installation           |                          |
| In metal               | yes                      |
| On metal               | yes                      |
| In air                 | yes                      |
| Mass                   | 2 g                      |
| Construction type      | Cylindrical              |
| Note                   | Packaging unit, 10-piece |

## Mounting

The surface containing the text must face the read/write head.