

RFID Transponder

IPC03-12.4

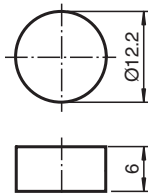


- Battery-free data carrier
- 32 bit fixcode
- 928 bits memory available
- Flush mounting in metal
- Degree of protection IP67

Data carrier



Dimensions



Technical Data

General specifications

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

Functional safety related parameters

| | |
|--------------------------------|--------|
| MTTF _d | 3400 a |
| Mission Time (T _M) | 20 a |
| Diagnostic Coverage (DC) | 0 % |

Memory

| | |
|-----------------------|-----------------------------------|
| 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) |

Directive conformity

| | |
|----------------------|-----------|
| Radio equipment | |
| Directive 2014/53/EU | EN 300330 |
| RoHS | |

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

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 PEPPERL+FUCHS

Technical Data

| | |
|----------------------------------|--------------------------------|
| Directive 2011/65/EU (RoHS) | EN 50581 |
| Standard conformity | |
| Degree of protection | EN 60529 |
| RFID | ISO/IEC 18000-2 |
| 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 |
| Mass | 2 g |
| Construction type | Cylindrical |

Mounting

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

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