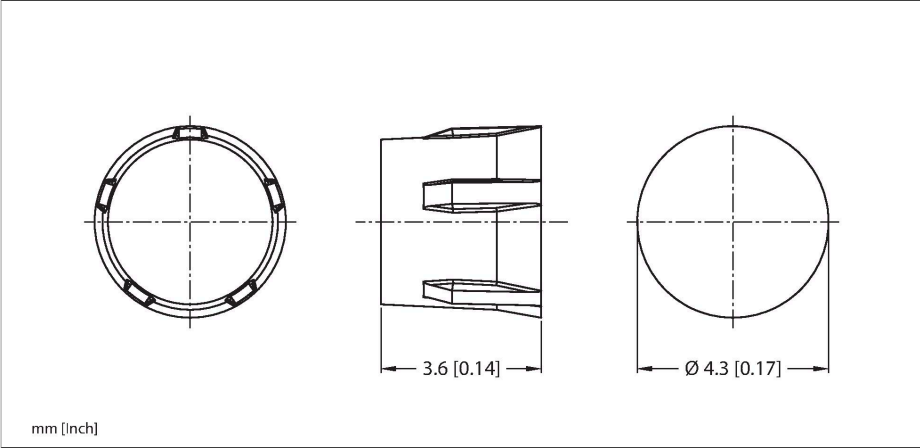


TW-R4-3-M-B320-10PCS
HF Tag – In Metal



Technical data

| | |
|--|--|
| Type | TW-R4-3-M-B320-10PCS |
| ID | 100013771 |
| Remark to product | Tag for direct mounting on/in metal. A recommendation for adhesives that meet the requirements of the FDA and the EU for incidental food contact can be requested from TURCK. This recommendation does not relieve the user of the responsibility to check their suitability for the user's application. |
| Data transfer | Inductive coupling |
| Technology | HF RFID |
| Operating frequency | 13.56 MHz |
| Radio communication and protocol standards | ISO 15693 NFC Typ 5 |
| Design | Hard tag, R4 |
| Housing material | Plastic, PPA-GF30 |
| Active area material | Plastic, PPA, yellow |
| Protection class | IP68 |
| Packaging unit | 10 |

Technical data

| | |
|-------------------|--|
| Type | TW-R4-3-M-B320-10PCS |
| ID | 100013771 |
| Remark to product | Tag for direct mounting on/in metal. A recommendation for adhesives that meet the requirements of the FDA and the EU for incidental food contact can be requested from TURCK. This recommendation does not relieve the user of the responsibility to check their suitability for the user's application. |
| Data transfer | Inductive coupling |
| Technology | HF RFID |



Features

- Tag for mounting in metal
- EEPROM, memory 320 byte
- For direct mounting on and in metal

Functional principle

The HF read/write devices operating at a frequency of 13.56 MHz form a transmission zone the size of which (0...500 mm) varies, depending on the combination of read/write head and tag used.

The read/write distances mentioned here only represent standard values measured under laboratory conditions, free from any influences caused by surrounding materials.

The read/write distances of tags suitable for mounting in/on metal were determined in/on metal.

Attainable distances may vary by up to 30 % due to component tolerances, mounting conditions, ambient conditions and material qualities (especially when mounted in metal). Testing of the application under real operating conditions is therefore essential, especially with on-the-fly reading and writing!

Technical data

| | |
|--|---|
| Operating frequency | 13.56 MHz |
| Memory type | EEPROM |
| Chip | NXP I-Code SLIX2 |
| Memory size | 320 Byte |
| Memory | Read/Write |
| Freely usable memory | 316 Byte |
| | Password-protected access to the data in the tag possible (requires firmware Xv98 or higher in the read/write device) |
| Number of read operations | unlimited |
| Number of write operations | 10 ⁵ |
| Typical read time | 2 ms/Byte |
| Typical write time | 3 ms/Byte |
| Radio communication and protocol standards | ISO 15693 NFC Typ 5 |
| Minimum distance to metal | 0 mm |
| Temperature during read/write access | -40...+85 °C |
| Temperature outside detection range | -45...+85 °C |
| Design | Hard tag, R4 |
| Diameter | 4.3 mm ±0.1 mm |
| Housing height | 3.6 mm ±0.1 mm |
| Housing material | Plastic, Open housing, potted, PPA-GF30 |
| Active area material | Plastic, PPA, yellow |
| Protection class | IP68 |
| Packaging unit | 10 |

Accessories

