



Model Number

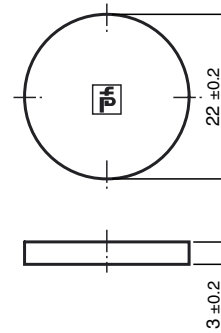
IQC22-22-T9

Data carrier

Features

- Operating frequency 13.56 MHz
- Conforms to ISO 15693
- 64 bit Fixcode
- 2 kBit memory available
- Readable and writable from both sides
- Protection degree IP68
- With extended temperature range up to 220 °C
- Fix code lasered onto housing

Dimensions



Technical data

General specifications

| | |
|---------------------|-----------|
| Operating frequency | 13.56 MHz |
| Transfer rate | 26 kBit/s |

Memory

| | |
|-----------------------|--------------------------------------|
| Chip Type | Tag-it HF-I Plus (Texas Instruments) |
| Type/Size | EEPROM 2 kBit ROM 64 Bit |
| Read cycles | unlimited |
| Write cycles | > 100000 |
| Data retention period | 10 years at 25 °C (77 °F) |

Ambient conditions

| | |
|-----------------------------|---|
| Ambient temperature | -25 ... 90 °C (-13 ... 194 °F) |
| Storage temperature | -25 ... 120 °C (-13 ... 248 °F) 160 °C (433 K) for 50 hours 220 °C (493 K) for 30 seconds |
| Climatic conditions | Isostatic water pressure: 45 bar for 10 hours |
| Shock and impact resistance | Oscillation (sinus): 10 g, 10 - 2000 Hz in accordance with EN 60068-2-6 Shock (semi-sinus): 100 g, 6 ms in accordance with EN 60068-2-27 |

Mechanical specifications

| | |
|-------------------|---------------|
| Protection degree | IP68 |
| Material | |
| Housing | PPS |
| Mass | 1.6 g ± 0.3 g |

Compliance with standards and directives

| | |
|---------------------|--|
| Standard conformity | |
| Protection degree | EN 60529 |
| RFID | ISO/IEC 15693-1:2010 , ISO/IEC 15693-2:2006 , ISO/IEC 15693-3:2009 , ISO/IEC 18000-3 |

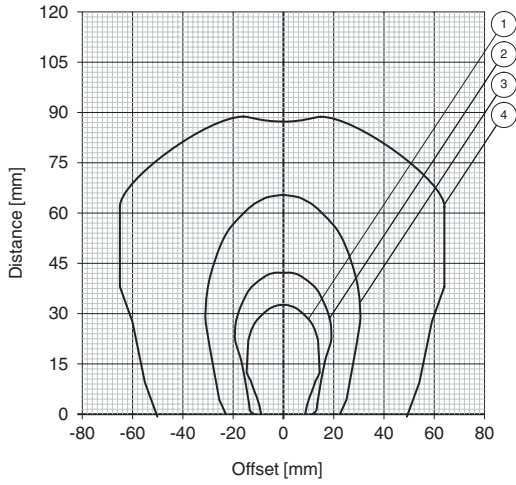
Notes

The transponder can be read from either side.

Read/write distances

- ① IQH1-18GM-V1 ② IQH1-F61-V1 ③ IQH1-FP-V1
- ④ IQH1-F15-V1

Reading range in air IQC22-22-T9



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