



### Model Number

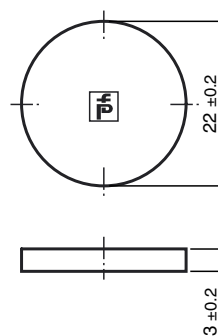
**IQC31-22-T9**

Data carrier

### Features

- Operating frequency 13.56 MHz
- Conforms to ISO 15693
- 64 bit Fixcode
- 256 bit 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

Description	Small command set, supports read/write single register only Not for high speed applications where more than one register has to be read on the fly
Operating frequency	13.56 MHz
Transfer rate	26 kBit/s

#### Memory

Chip Type	Tag-it HF-I Standard (Texas Instruments)
Type/Size	EEPROM 256 Bit 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

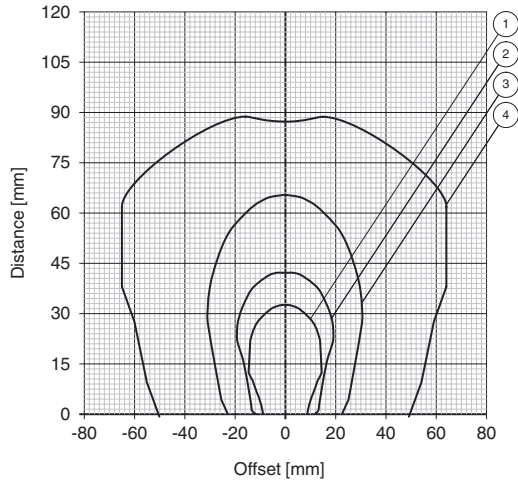
### Notes

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



Release date: 2012-08-23 20:09 Date of issue: 2012-08-23 910593\_eng.xml