



## RFID Transponder

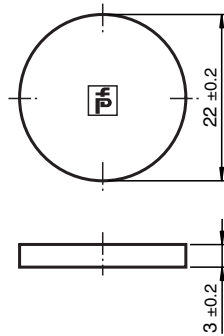
### IQC22-22-T9

- Operating frequency 13.56 MHz
- Conforms to ISO 15693
- 64 bit Fixcode
- 2 kBit memory available
- Readable and writable from both sides
- Degree of protection IP68
- With extended temperature range up to 220 °C (428 °F)
- Fix code lasered onto housing

Data carrier



## 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)
EEPROM	2 kBit
UID	64 Bit
Memory organization	4 bytes/block
Read cycles	unlimited
Write cycles	> 100000
Data retention period	10 years at 25 °C (77 °F)
Directive conformity	
Radio equipment	
Directive 2014/53/EU	EN 300330
RoHS	
Directive 2011/65/EU (RoHS)	EN 50581

Release date: 2020-03-26 Date of issue: 2020-03-27 Filename: 197570\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

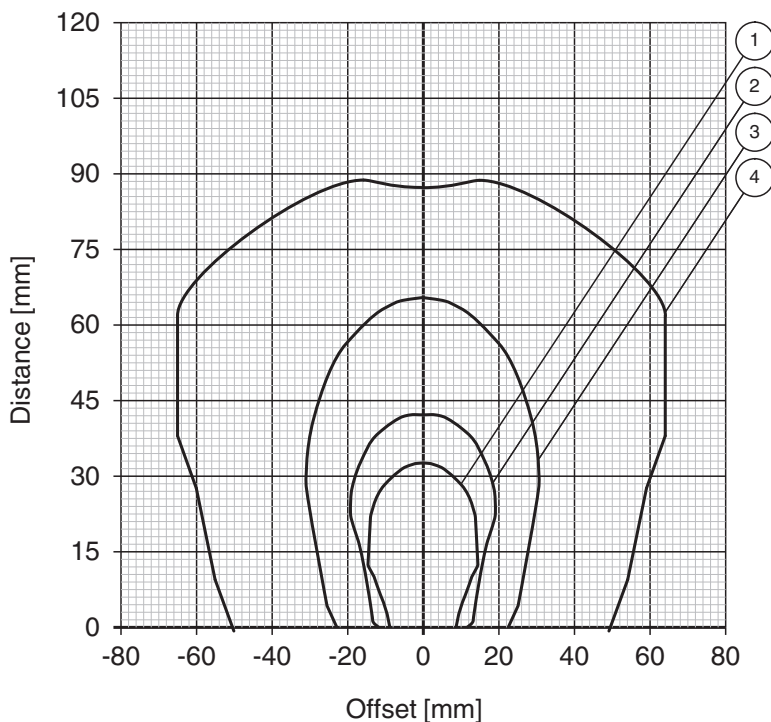
Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

**Technical Data**

<b>Standard conformity</b>	
Degree of protection	EN 60529
RFID	ISO/IEC 15693-1 ISO/IEC 15693-2 ISO/IEC 15693-3 ISO/IEC 18000-3
<b>Ambient conditions</b>	
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
<b>Mechanical specifications</b>	
Degree of protection	IP68
Material	
Housing	PPS
Installation	
In air	yes
Mass	1.6 g ± 0.3 g
Construction type	Cylindrical

Reading range in air IQC22-22-T9



Release date: 2020-03-26 Date of issue: 2020-03-27 Filename: 197570\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

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

Release date: 2020-03-26 Date of issue: 2020-03-27 Filename: 197570\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

## Application

The transponder can be read from either side.

Release date: 2020-03-26 Date of issue: 2020-03-27 Filename: 197570\_eng.pdf

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

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com

 **PEPPERL+FUCHS**