



RFID Transponder

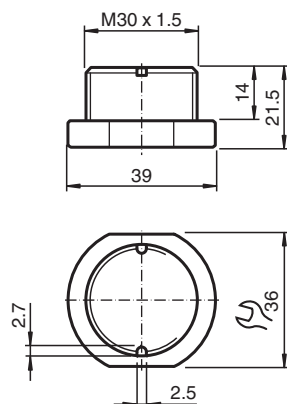
IQC21-39-T1

- Operating frequency 13.56 MHz
- Conforms to ISO 15693
- 64 bit Fixcode
- 896 bits memory available
- Degree of protection IP67

Data carrier



Dimensions



Technical Data

General specifications

Operating frequency	13.56 MHz
Transfer rate	26 kBit/s

Memory

Chip Type	I-CODE SLI (NXP)
EEPROM	896 Bit
UID	64 Bit
Memory organization	4 bytes/block
Read cycles	unlimited
Write cycles	> 100000
Data retention period	1000 hours at 150 °C 6000 hours at 110 °C 18 years at 50 °C 110 years at 25 °C

Directive conformity

Radio equipment	
Directive 2014/53/EU	EN 300330

Release date: 2020-03-26 Date of issue: 2020-03-27 Filename: 245301_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

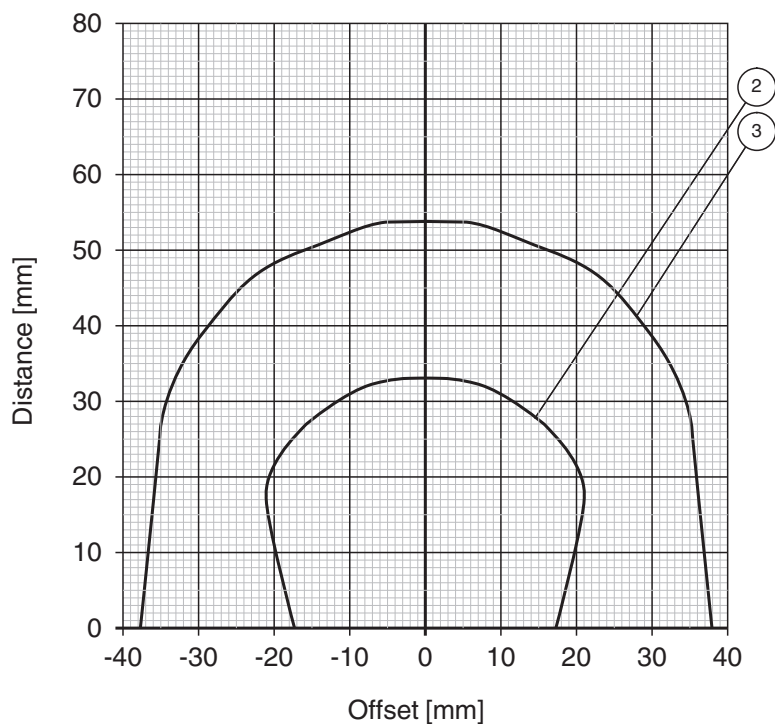
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

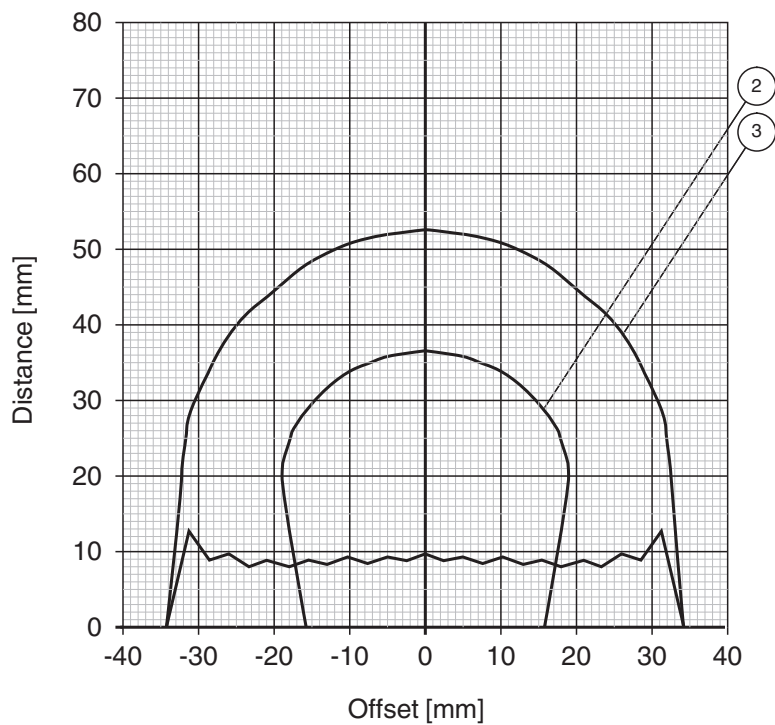
Technical Data

RoHS	
Directive 2011/65/EU (RoHS)	EN 50581
Standard conformity	
Degree of protection	EN 60529
RFID	ISO/IEC 15693-1 ISO/IEC 15693-2 ISO/IEC 15693-3 ISO/IEC 18000-3
Ambient conditions	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 150 °C (-40 ... 302 °F) 150 °C (302 °F) for 1000 hours
Mechanical specifications	
Degree of protection	IP67
Material	
Base	PA
Encapsulation compound	WEVO 403FL/300
Covering	PA
Installation	
In metal	yes
On metal	yes
In air	yes
Mass	23 g
Construction type	Cylindrical

Reading range in air IQC21-39*



Reading range on steel IQC21-39*



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