



RFID Transponder

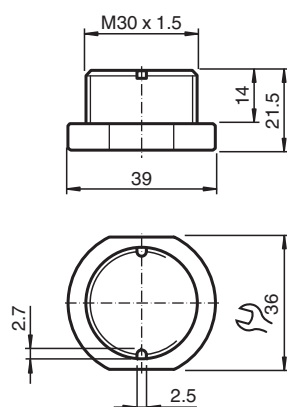
IQC21-39-T1

- 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
RoHS	

Release date: 2022-12-15 Date of issue: 2022-12-15 Filename: 245301_eng.pdf

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

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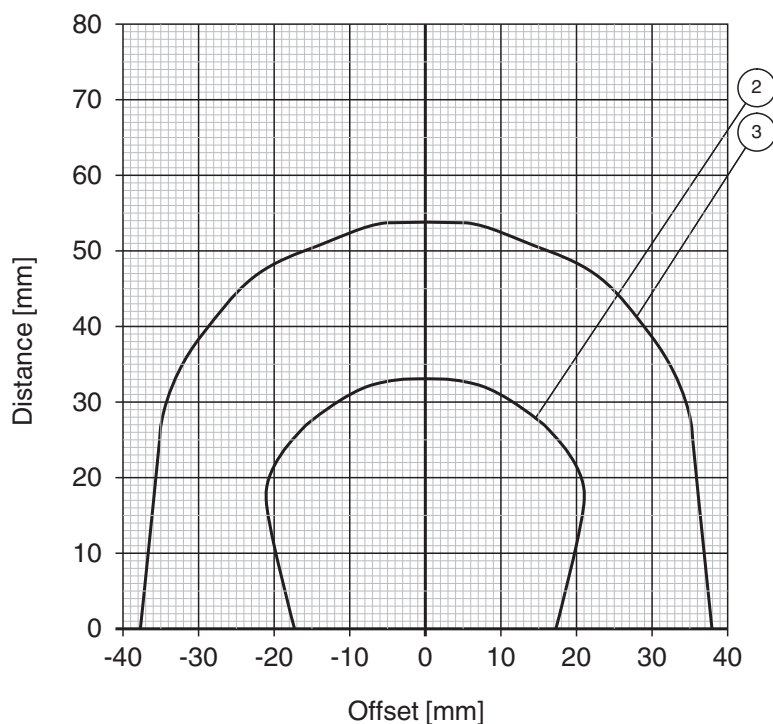
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Technical Data

Directive 2011/65/EU (RoHS)		IEC/EN 63000
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		
Housing height		21.5 mm
Housing diameter		39 mm
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*



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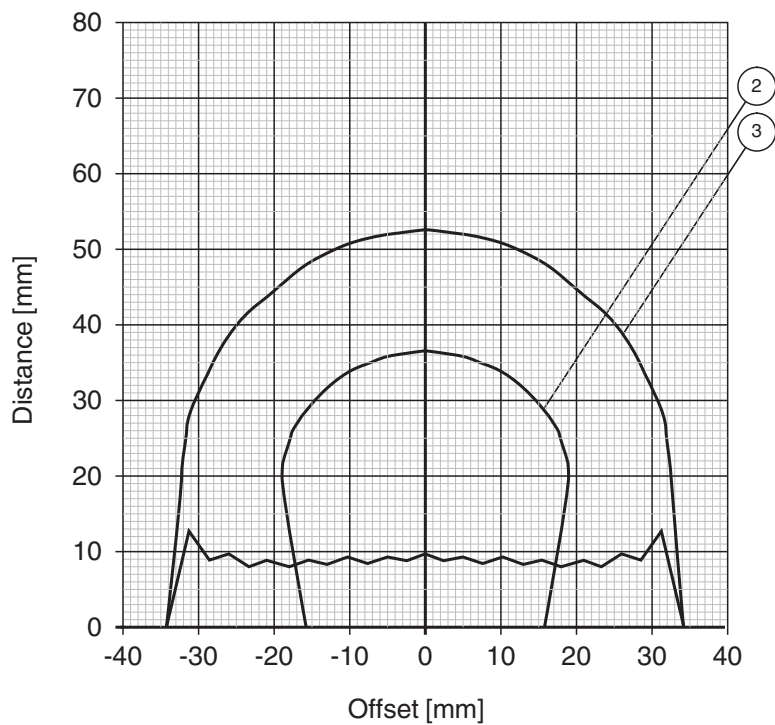
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Reading range on steel IQC21-39*



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