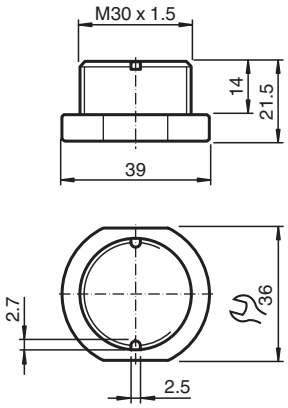

# RFID Transponder

# 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<br>6000 hours at 110 °C<br>18 years at 50 °C<br>110 years at 25 °C |
| **Directive conformity** | | |
| Radio equipment | | |
| Directive 2014/53/EU | | EN 300330 |
| RoHS | | |

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## Technical Data

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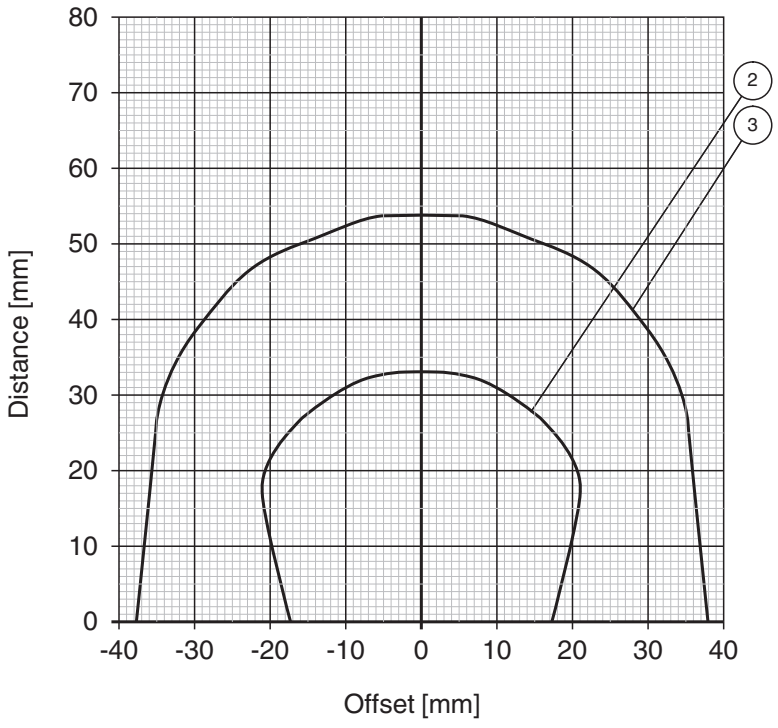
|---|---|
| Directive 2011/65/EU (RoHS) | IEC/EN 63000 |
| **Standard conformity** | |
| Degree of protection | EN 60529 |
| RFID | ISO/IEC 15693-1<br>ISO/IEC 15693-2<br>ISO/IEC 15693-3<br>ISO/IEC 18000-3 |
| **Ambient conditions** | |
| Ambient temperature | -25 ... 70 °C (-13 ... 158 °F) |
| Storage temperature | -40 ... 150 °C (-40 ... 302 °F)<br>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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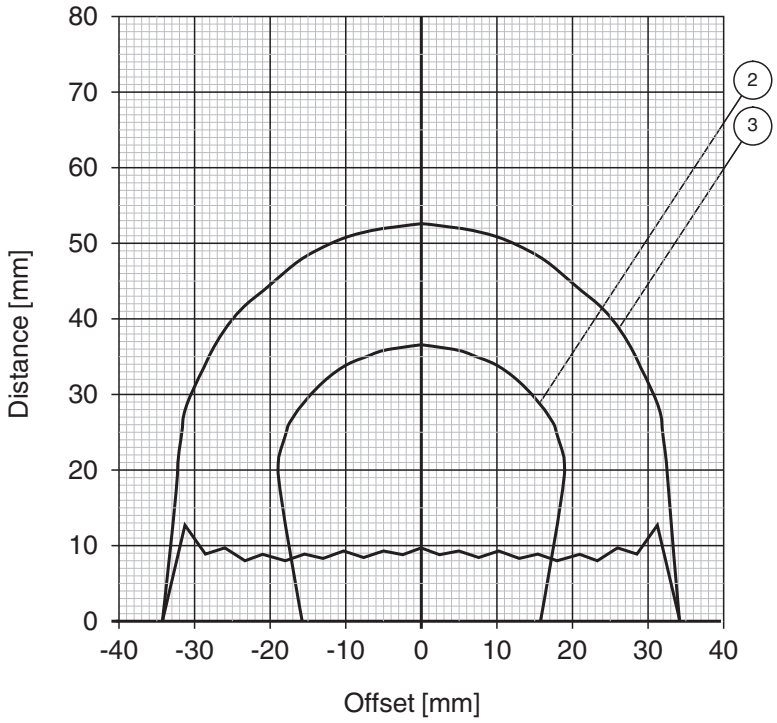
## Reading range on steel IQC21-39*




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

4 IQH1-F15-V1

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