



RFID Transponder

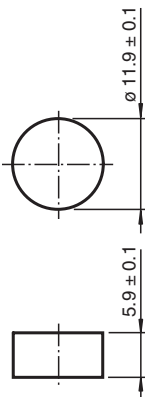
IQC21-12.4

- 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 SLIX (NXP)
EEPROM		896 Bit
UID		64 Bit
Memory organization		4 bytes/block
Read cycles		unlimited
Write cycles		> 100000
Data retention period		50 years at 55 °C (131 °F)
Directive conformity		
Radio equipment		
Directive 2014/53/EU		EN 300330
RoHS		
Directive 2011/65/EU (RoHS)		EN 50581

Technical Data

Standard conformity

Degree of protection	EN 60529
RFID	ISO/IEC 15693-1 ISO/IEC 15693-2 ISO/IEC 15693-3 ISO/IEC 18000-3

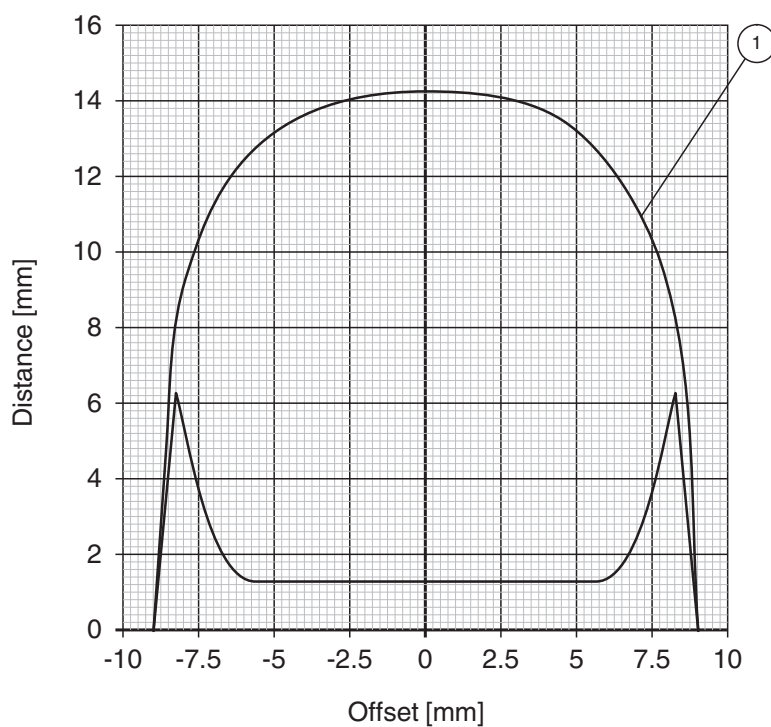
Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)

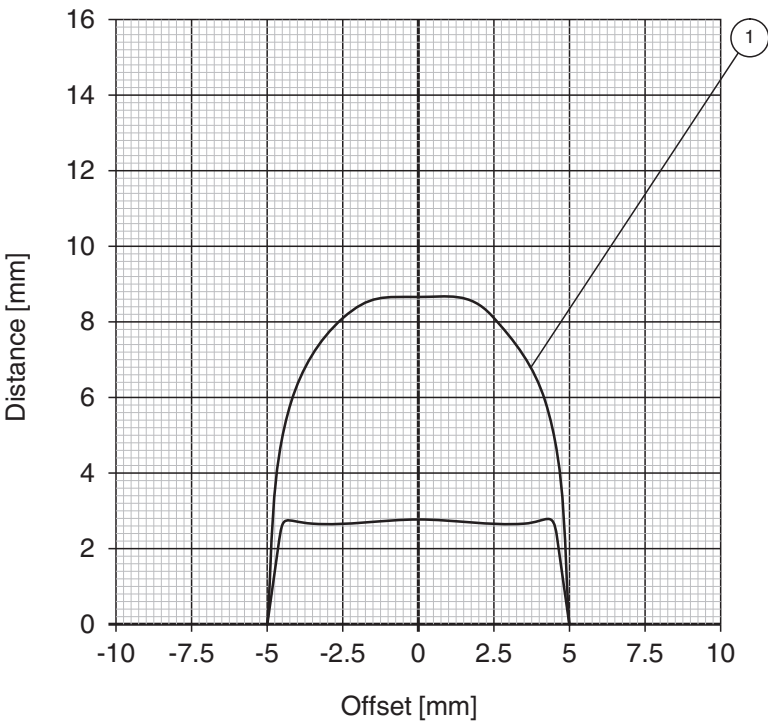
Mechanical specifications

Degree of protection	IP67
Material	
Housing	PBT
Encapsulation compound	CY 221/HY 2966
Construction type	Cylindrical

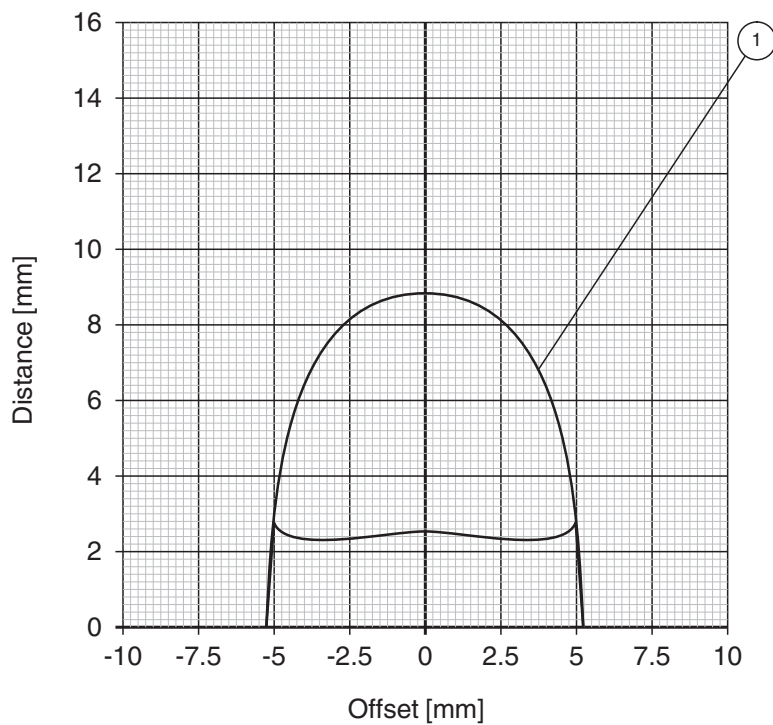
Reading range in air IQC21-12.4



Reading range in aluminum IQC21-12.4



Reading range in steel IQC21-12.4



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