



RFID Transponder

IQC33-50 25pcs

- Operating frequency 13.56 MHz
- Conforms to ISO 15693
- 64 bit Fixcode
- 2000 bytes memory available
- Unlimited writeable
- Degree of protection IP68
- Readable and writable from both sides
- Mounting holes for simple installation

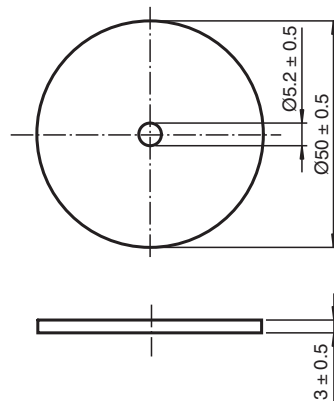
Data carrier



Application

The transponder can be read and written from either side.

Dimensions



Technical Data

General specifications

Operating frequency	13.56 MHz
Transfer rate	26 kBit/s

Memory

Chip Type	FRAM MB89R118 (Fujitsu)
FRAM	16 kBit
UID	64 Bit
Memory organization	8 bytes/block
Read cycles	unlimited
Write cycles	unlimited
Data retention period	10 years

Directive conformity

Radio equipment	
Directive 2014/53/EU	EN 300330

Release date: 2022-12-15 Date of issue: 2022-12-15 Filename: 288646_eng.pdf

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

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Technical Data

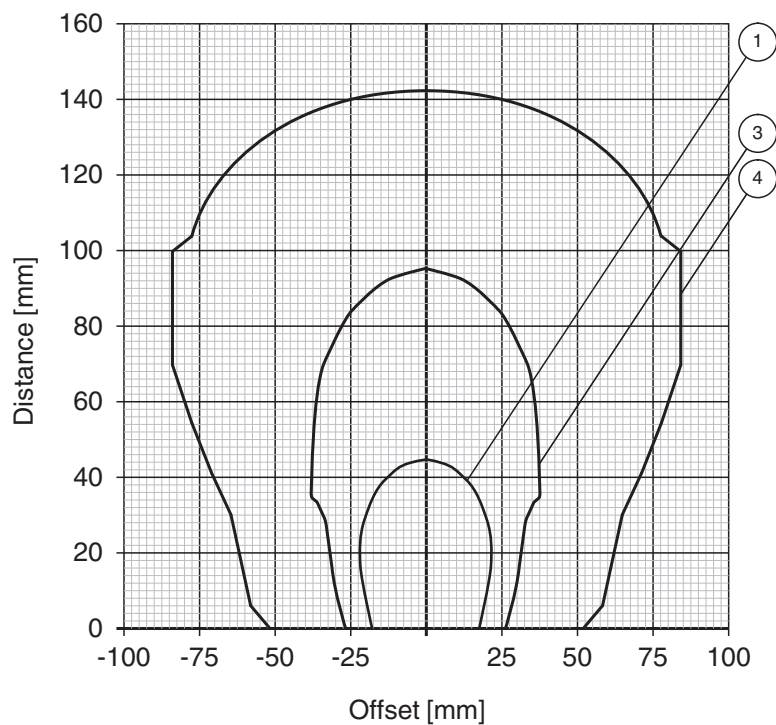
RoHS		
Directive 2011/65/EU (RoHS)		IEC/EN 63000
Standard conformity		
Degree of protection		EN 60529
RFID		ISO/IEC 15693-1 ISO/IEC 15693-2 ISO/IEC 15693-3 ISO/IEC 18000-3
Ambient conditions		
Ambient temperature		-40 ... 85 °C (-40 ... 185 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F) 160 °C (320 °F) for 50 hours 220 °C (428 °F) for 30 min
Mechanical specifications		
Housing height		3 mm
Housing diameter		50 mm
Degree of protection		IP68
Material		
Housing		PA 6
Installation		
In air		yes
Mass		5 g
Construction type		Cylindrical
Note		Packaging unit, 25-piece

Mounting

High temperatures will cause the housing to expand.
If the housing is assembled under mechanical stress, the resulting pressure may damage the tag.
Install the tag loosely to allow for expansion due to high temperatures.

Characteristic Curve

Reading range in air IQC33-50



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

Accessories

	ICZ-MH50-10-T10	Spacers for code/data carrier
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