



RFID Transponder

IQC33-30 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

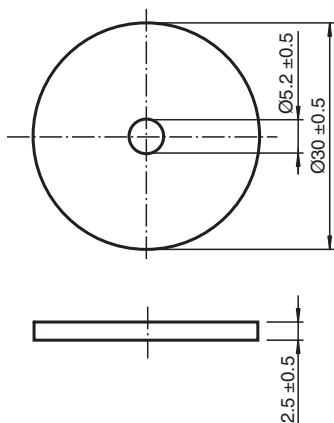
Data carrier



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
RoHS	

Release date: 2025-04-23 Date of issue: 2025-04-23 Filename: 288645_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

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 ... 90 °C (-40 ... 194 °F)
Storage temperature		-40 ... 120 °C (-40 ... 248 °F) 120 °C (248 °F) for 72 hours
Mechanical specifications		
Degree of protection		IP68
Material		
Housing		PA 6
Installation		
In air		yes
Mass		3 g
Dimensions		
Height		2.5 mm
Diameter		30 mm
Construction type		Cylindrical
Note		Packaging unit, 25-piece

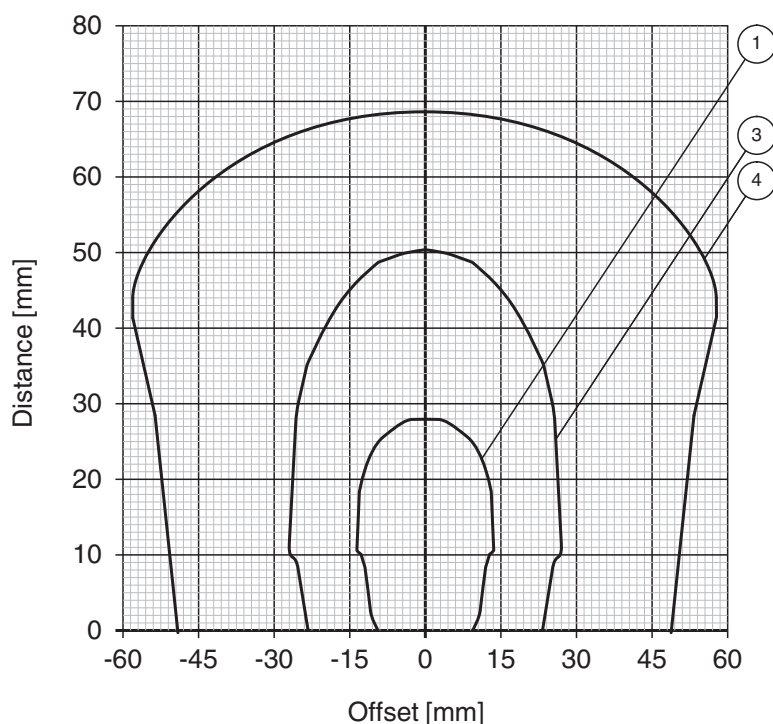
Mounting

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.

Release date: 2025-04-23 Date of issue: 2025-04-23 Filename: 288645_eng.pdf

Characteristic Curve

Reading range in air IQC33-30



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