



RFID Transponder

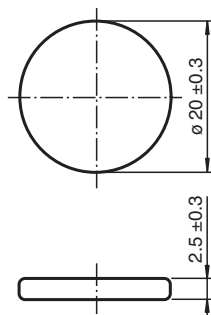
IQC33-20 50pcs

- 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

Data carrier



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	
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

Release date: 2025-04-23 Date of issue: 2025-04-23 Filename: 288644_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**

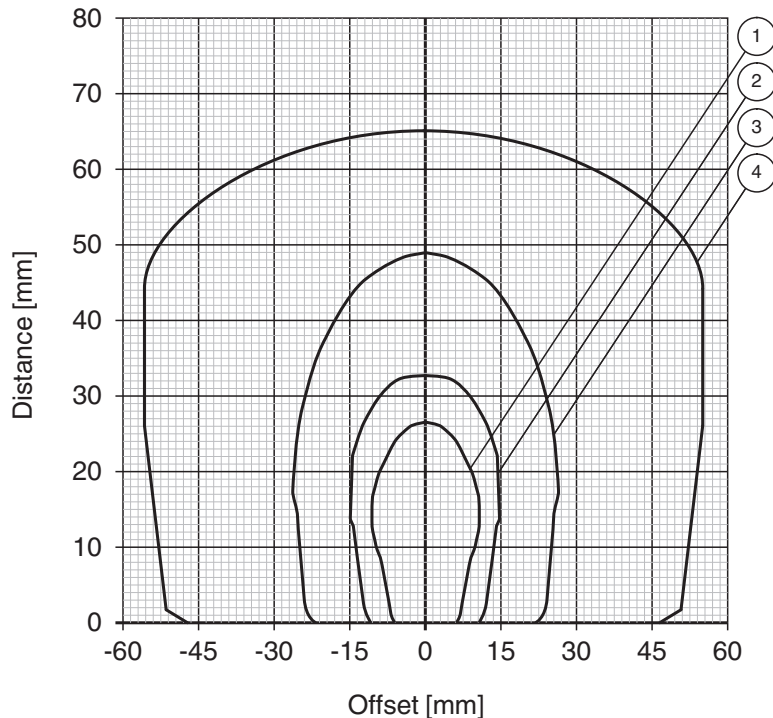
Technical Data

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	
Degree of protection	IP68
Material	
Housing	PA 6
Installation	
In air	yes
Mass	1.2 g
Dimensions	
Height	2.5 mm
Height tolerance	± 0.3 mm
Diameter	20 mm
Diameter tolerance	± 0.3 mm
Construction type	Cylindrical
Note	Packaging unit, 50-piece

Application

The transponder can be read and written from either side.

Reading range in air IQC33-20



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