

RFID Transponder

IPC03-54-T8

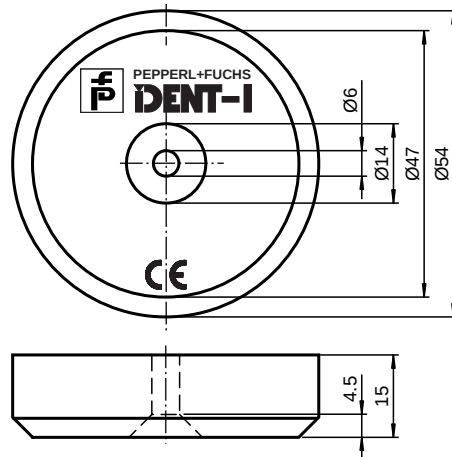


- Battery-free data carrier
- 32 bit fixcode
- 928 bits memory available
- Readable and writable from both sides
- With extended temperature range up to 120 °C (248 °F)
- Degree of protection IP67
- Mounting holes for simple installation

Data carrier



Dimensions



Technical Data

General specifications		
Operating frequency		125 kHz
Transfer rate		2 kBit/s
Distance		distance tables, see introduction
Memory		
Chip Type		EM4450 Titan (EM Microelectronic)
EEPROM		928 Bit
Read cycles		unlimited
Write cycles		> 100000
Data retention period		10 years at 55 °C (131 °F)
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

Release date: 2022-12-15 Date of issue: 2022-12-15 Filename: 122873_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

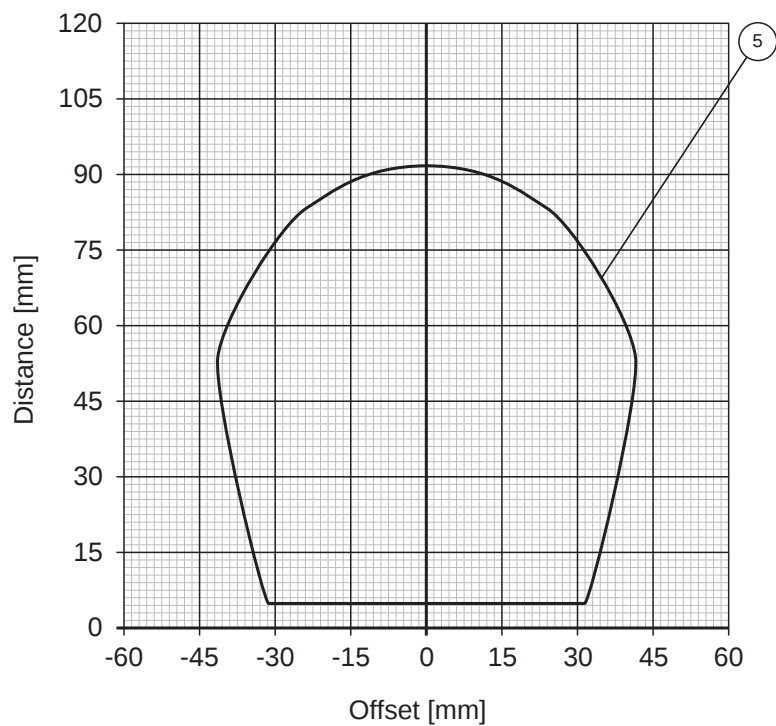
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

 **PEPPERL+FUCHS**

Technical Data

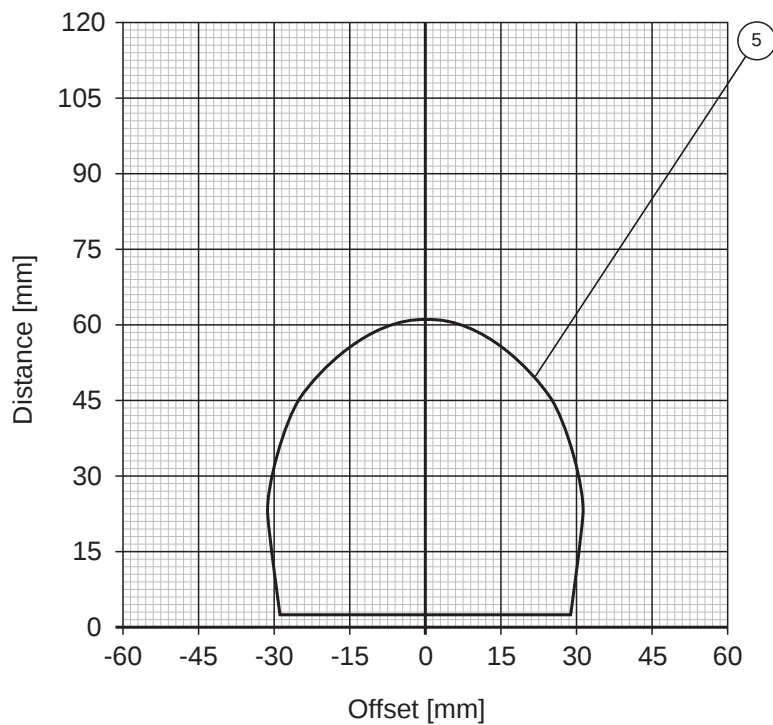
RFID		ISO/IEC 18000-2
Ambient conditions		
Ambient temperature		-40 ... 120 °C (-40 ... 248 °F)
Storage temperature		-40 ... 120 °C (-40 ... 248 °F)
Mechanical specifications		
Housing height		15 mm
Housing diameter		54 mm
Degree of protection		IP67 according to EN 60529
Material		
Housing		Polyurethane (PUR)
Installation		
On metal		yes
In air		yes
Construction type		Cylindrical

Reading range in air IPC03-54T8



Release date: 2022-12-15 Date of issue: 2022-12-15 Filename: 122873_eng.pdf

Reading range on steel IPC03-54T8



- | | | | |
|---------------|-------------|--------------|--------------|
| ① IPH-18GM-V1 | ③ IPH-F61 | ⑤ IPH-FP-V1 | ⑦ IPT1-FP-V1 |
| ② IPH-30GM-V1 | ④ IPH-L2-V1 | ⑥ IPH-F15-V1 | |

Application

The transponder can be read and written from either side.

Release date: 2022-12-15 Date of issue: 2022-12-15 Filename: 122873_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**