

RFID Transponder

IPC03-54-T8

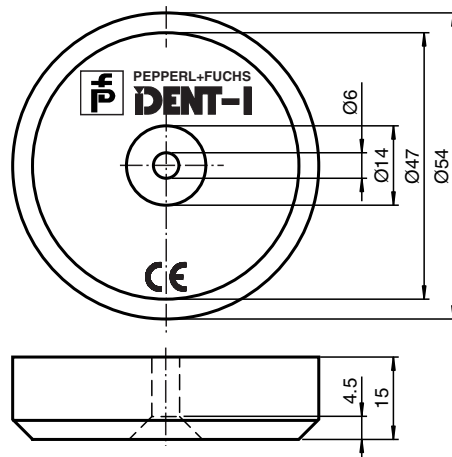


- Battery-free data carrier
- 32 bit fixcode
- 928 bits memory available
- Readable and writable from both sides
- With extended temperature range up to 120 °C (248 °F)
- Degree of protection IP67
- Mounting holes for simple installation

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)	EN 50581
Standard conformity	

Release date: 2020-03-20 Date of issue: 2020-03-27 Filename: 122873_eng.pdf

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

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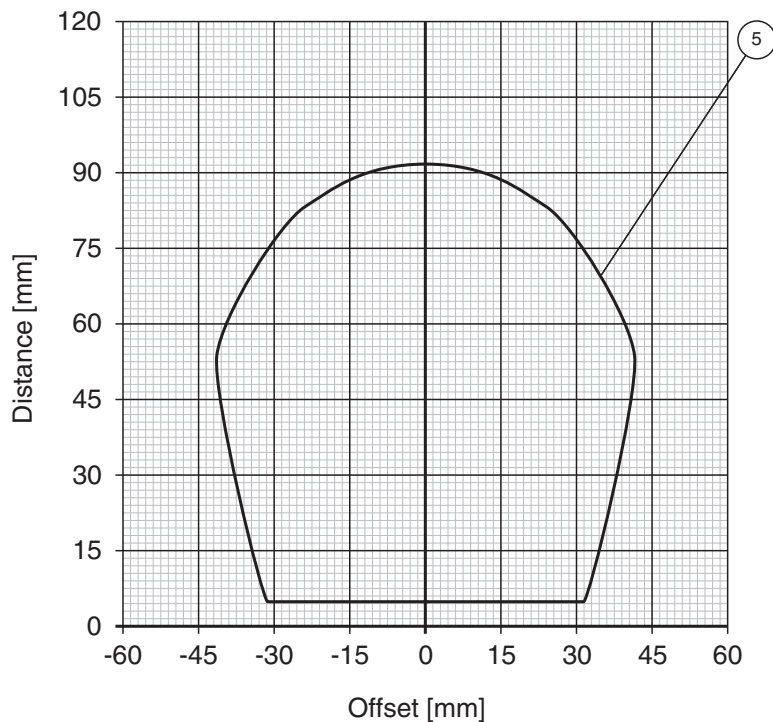
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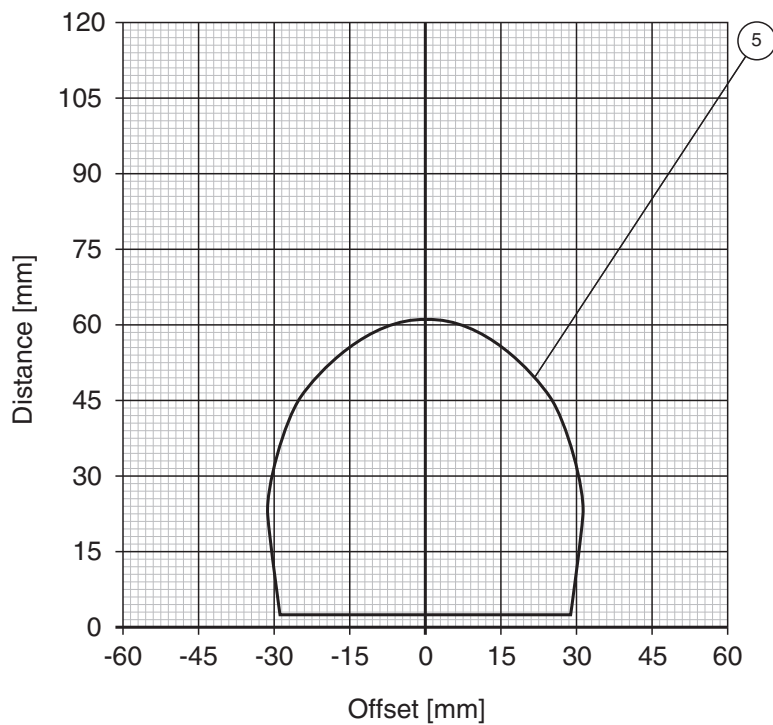
Technical Data

Degree of protection	EN 60529
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	
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



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.

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