

RFID Transponder

IPC02-16

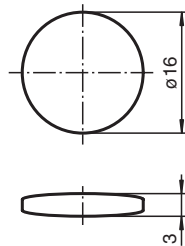


- Battery-free code carrier
- 40 bit fix code
- Readable from both sides
- Degree of protection IP68

Code carrier



Dimensions



Technical Data

General specifications

Operating frequency	125 kHz
Transfer rate	2 kBit/s

Memory

Chip Type	EM4102 Unique (EM Microelectronic)
Read 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 18000-2

Ambient conditions

Ambient temperature	-25 ... 85 °C (-13 ... 185 °F)
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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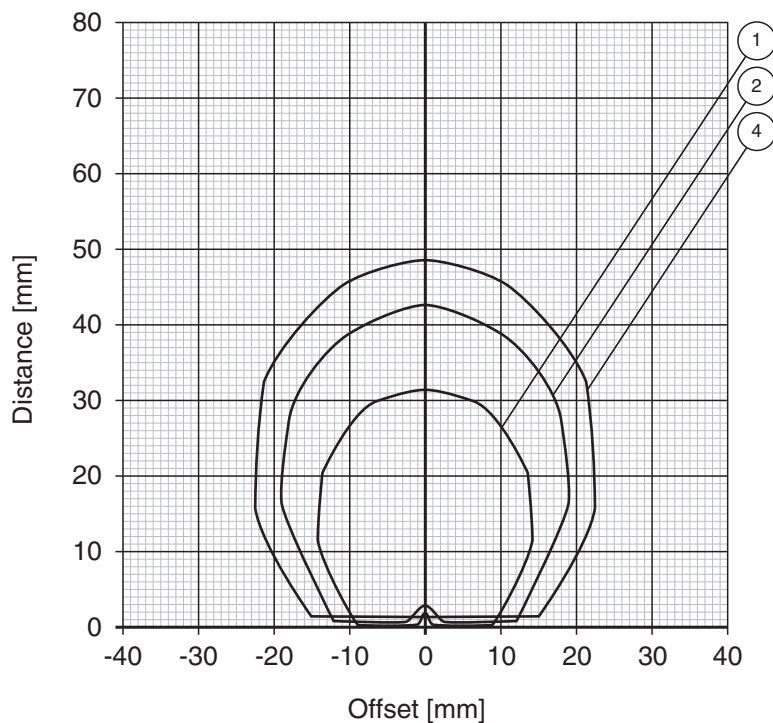
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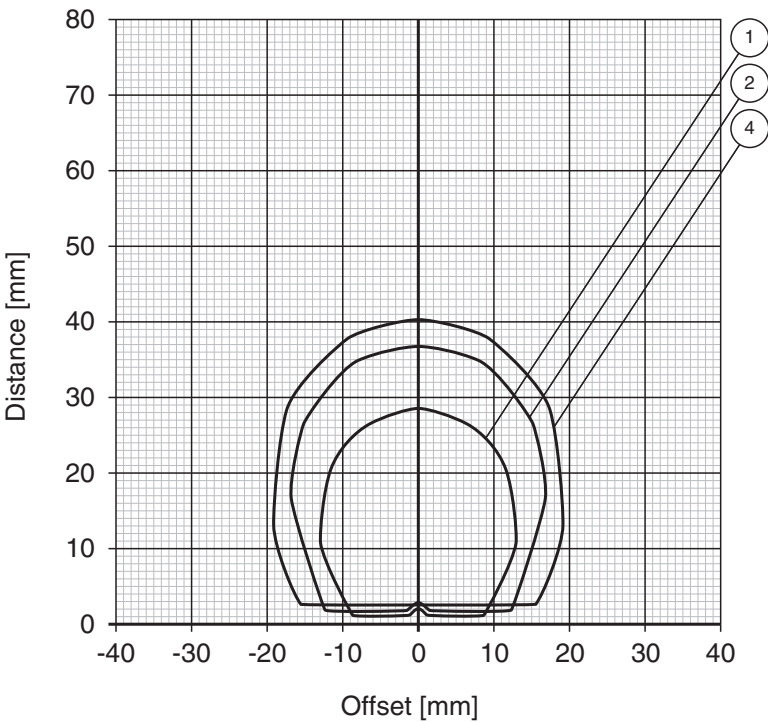
Technical Data

Storage temperature		-25 ... 100 °C (-13 ... 212 °F)
Mechanical specifications		
Housing height		3 mm
Housing diameter		16 mm
Degree of protection		IP68
Material		
Housing		Epoxy (black)
Installation		
In air		yes
Construction type		Cylindrical

Read distance in air IPC02-16

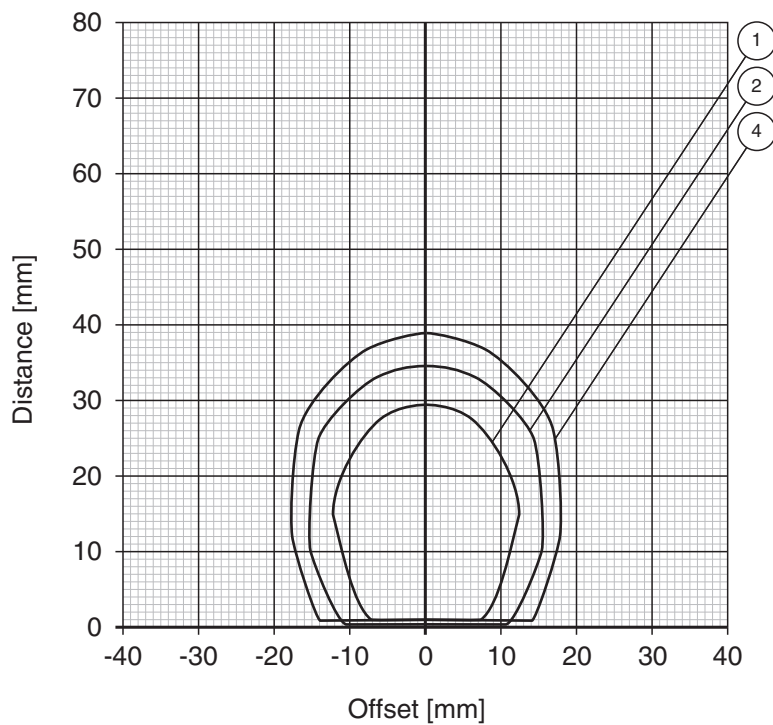


Reading range on aluminium IPC02-16



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Reading range on steel IPC02-16



- | | | | |
|---------------|-------------|--------------|--------------|
| 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 from either side.

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