



RFID Transponder

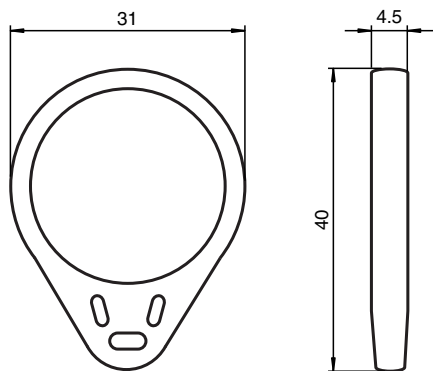
IPC03-20K1

- Battery-free data carrier
- 32 bit fixcode
- 928 bits memory available
- Readable and writable from both sides
- Degree of protection IP67
- Key fob

Data carrier



Dimensions



Technical Data

General specifications

Operating frequency	125 kHz
Transfer rate	2 kBit/s

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

Degree of protection	EN 60529
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Release date: 2020-03-20 Date of issue: 2020-03-27 Filename: 102997_eng.pdf

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

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Technical Data

RFID	ISO/IEC 18000-2
Ambient conditions	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 90 °C (-40 ... 194 °F)
Mechanical specifications	
Degree of protection	IP67
Material	
Housing	PC (Polycarbonate)
Installation	
In air	yes
Construction type	Key fob

Application

The transponder can be read and written from either side.

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