



RFID Transponder

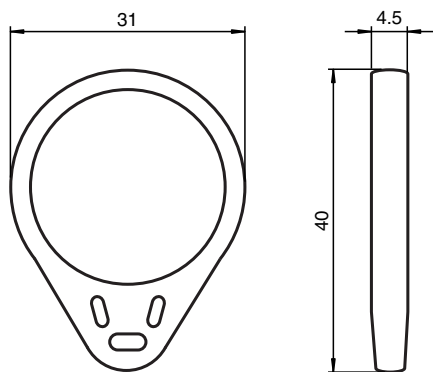
IPC03-20K1

- 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)	IEC/EN 63000

Standard conformity

Degree of protection	EN 60529
RFID	ISO/IEC 18000-2

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

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 **PEPPERL+FUCHS**

Technical Data

Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 90 °C (-40 ... 194 °F)

Mechanical specifications

Housing length	40 mm
Housing width	31 mm
Housing height	4.5 mm
Housing diameter	31 mm
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.