

# RFID Transponder

## IPC03-C1

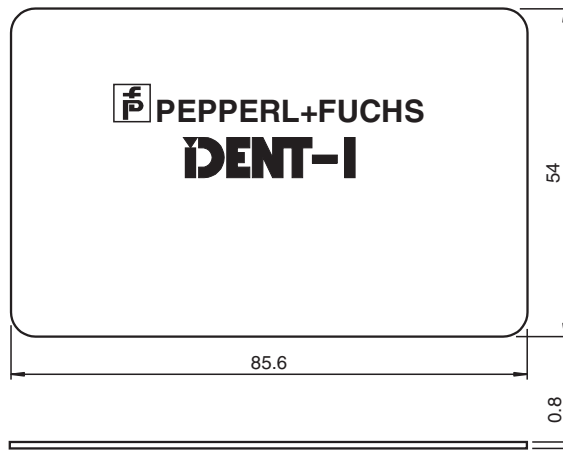


- Battery-free data carrier
- 32 bit fixcode
- 928 bits memory available
- Readable and writable from both sides
- Degree of protection IP67
- ISO credit card format

Data carrier



### Dimensions



### Technical Data

#### General specifications

Operating frequency	125 kHz
Transfer rate	2 kBit/s
Color	white

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

## Technical Data

RFID	ISO/IEC 18000-2
<b>Ambient conditions</b>	
Ambient temperature	0 ... 50 °C (32 ... 122 °F)
Storage temperature	-40 ... 70 °C (-40 ... 158 °F)
<b>Mechanical specifications</b>	
Housing length	85.6 mm
Housing width	54 mm
Housing height	0.8 mm
Degree of protection	IP67
Material	
Housing	white PVC
Installation	
In air	yes
Mass	approx. 6 g
Construction type	Card

## Application

The transponder can be read and written from either side.