

RFID Transponder

IPC03-10

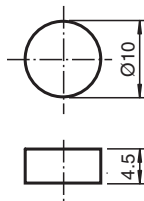


- Battery-free data carrier
- 32 bit fixcode
- 928 bits memory available
- Flush mounting in metal
- Degree of protection IP67

Data carrier



Dimensions



Technical Data

General specifications		
Operating frequency		125 kHz
Transfer rate		2 kBit/s
Functional safety related parameters		
MTTF _d		3400 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
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

Release date: 2020-03-24 Date of issue: 2020-03-27 Filename: 255247_eng.pdf

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

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Technical Data

RoHS		
Directive 2011/65/EU (RoHS)		EN 50581
Standard conformity		
Degree of protection		EN 60529
RFID		ISO/IEC 18000-2
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications		
Degree of protection		IP67
Material		
Housing		PBT
Encapsulation compound		CY 221/HY 2966
Installation		
In metal		yes
On metal		yes
In air		yes
Mass		1 g
Construction type		Cylindrical

Mounting

The surface containing the text must face the read/write head.

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