RFID Transponder
IPC02-26-T6

- Degree of protection IP68
- Battery-free high temperature code carrier
- 40 bit fix code
- Readable from both sides
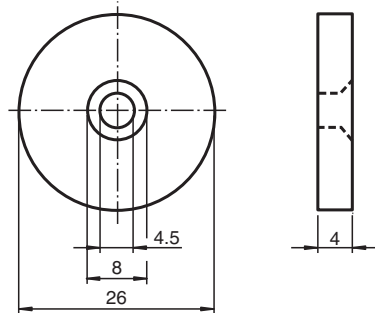- Mounting holes for simple installation

Code carrier

Application

The transponder can be read from either side.

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

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

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

1

Technical Data

RFID	ISO/IEC 18000-2
Ambient conditions	
Ambient temperature	-25 ... 85 °C (-13 ... 185 °F) 20 ... 160 °C (68 ... 320 °F) for 100 x 5 minutes with transposition every 30 seconds
Storage temperature	-25 ... 140 °C (-13 ... 284 °F) for 1000 hours 200 °C (473 K) for 5 x 35 minutes
Shock and impact resistance	Shock: 40 g, 18 ms in 6 spatial axes 2000 x in accordance with IEC 68-2-29 Vibration: 10 g, 10 ... 2000 Hz, 2.5 hours in 3 spatial axes in accordance with IEC 68-2-6
Mechanical specifications	
Housing height	4 mm
Housing diameter	26 mm
Degree of protection	IP68 (24 hours in water 1 m deep)
Material	
Housing	PA
Installation	
In air	yes
Mass	3.6 g
Construction type	Cylindrical

Mounting

High temperatures will cause the housing to expand.
If the housing is assembled under mechanical stress, the resulting pressure may damage the tag.
Install the tag loosely to allow for expansion due to high temperatures.

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".
Pepperl+Fuchs Group   USA: +1 330 486 0001   Germany: +49 621 776 1111   Singapore: +65 6779 9091
www.pepperl-fuchs.com   fa-info@us.pepperl-fuchs.com   fa-info@de.pepperl-fuchs.com   fa-info@sg.pepperl-fuchs.com   PEPPERL+FUCHS   2