



RFID Transponder

IQC24-27-T12

- Operating frequency 13.56 MHz
- Conforms to ISO 15693
- 64 bit Fixcode
- 992 bytes memory freely available
- Readable and writable from both sides
- Degree of protection IP67
- High temperature rated to 140 °C

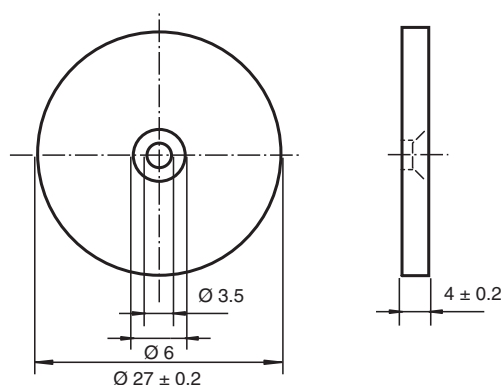
Data carrier



Application

The transponder can be read and written from either side.

Dimensions



Technical Data

General specifications

Operating frequency	13.56 MHz
Transfer rate	26 kBit/s

Memory

Chip Type	my-d SRF 55V10P (Infineon)
EEPROM	992 Byte
UID	64 Bit
Memory organization	4 bytes/block
Read cycles	unlimited
Write cycles	10000 @ 70 °C, 1000000 @ <40 °C
Data retention period	10 years @ 40 °C (104 °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".

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Technical Data

RFID		ISO/IEC 15693-1 ISO/IEC 15693-2 ISO/IEC 15693-3 ISO/IEC 18000-3
Ambient conditions		
Ambient temperature		-25 ... 125 °C (-13 ... 257 °F)
Storage temperature		-40 ... 140 °C (-40 ... 284 °F)
Mechanical specifications		
Housing height		4 mm
Housing diameter		27 mm
Degree of protection		IP67
Material		
Housing		Epoxy resin
Installation		
In air		yes
Mass		5 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.