



RFID Transponder

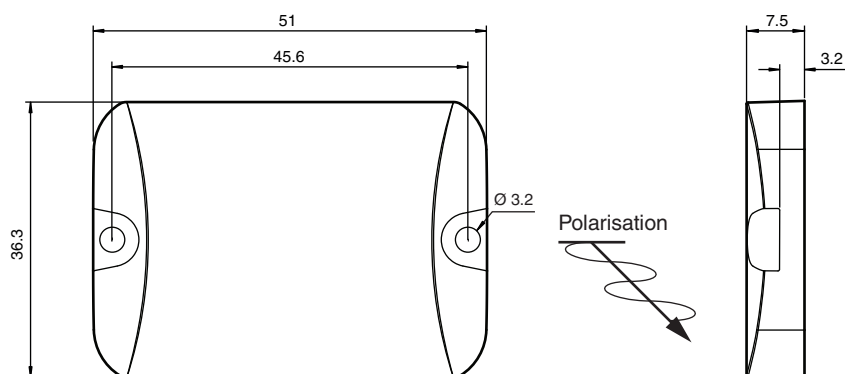
IUC76-F157-T19-M-FR1

- Operating frequency 865 ... 868 MHz
- Complies with EPC Gen2 (ISO/IEC 18000-63)
- Sturdy housing, suitable for rough industrial use
- Optimized for mounting on metal
- For autoclave applications

Data carrier for autoclave applications



Dimensions



Technical Data

General specifications

Operating frequency	865 ... 868 MHz
Polarization	linear

Memory

Chip Type	Higgs-3 (Alien)
Memory Bank 00 (Reserved)	64 Bit
Memory Bank 01 (EPC/UII)	96 ... 480 Bit
Memory Bank 10 (TID)	64 Bit
Memory Bank 11 (User memory)	512 Bit
Read cycles	unlimited
Write cycles	100000
Data retention period	50 years @ 77 °C (170.6 °F)

Directive conformity

Radio equipment	
Directive 2014/53/EU	EN 302208
RoHS	

Release date: 2020-03-31 Date of issue: 2020-03-31 Filename: 309732_eng.pdf

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

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Technical Data

Directive 2011/65/EU (RoHS)	EN 50581
Standard conformity	
Degree of protection	EN 60529
RFID	ISO/IEC 18000-63
Ambient conditions	
Ambient temperature	-40 ... 85 °C (-40 ... 185 °F)
Storage temperature	-40 ... 150 °C (-40 ... 302 °F)
Mechanical specifications	
Degree of protection	IP69K
Material	
Housing	PA 6
Installation	
On metal	yes
Mass	28 g
Construction type	Rectangular type

Safety Information

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.

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