

RFID Transponder

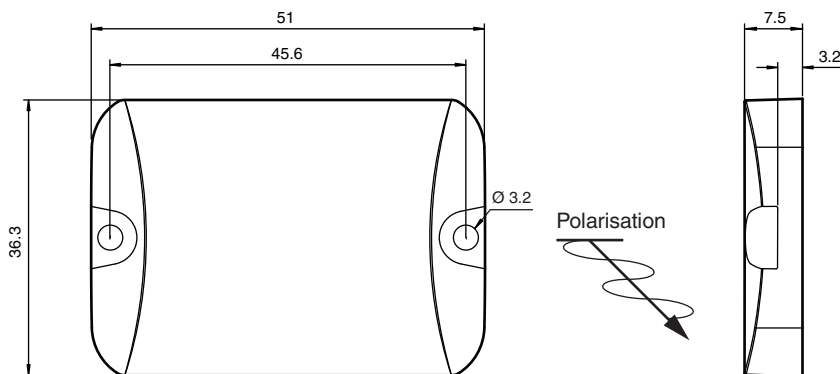
IUC76-F157-T19-M-FR2



- Operating frequency 902 ... 928 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	902 ... 928 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)	96 Bit
Memory Bank 11 (User memory)	512 Bit
Read cycles	unlimited
Write cycles	> 100000
Data retention period	50 years @ 77 °C (170.6 °F)

Standard conformity

Degree of protection	EN 60529
RFID	ISO/IEC 18000-63

Ambient conditions

Release date: 2022-06-08 Date of issue: 2022-06-08 Filename: 309733_eng.pdf

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

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Technical Data

Ambient temperature	-40 ... 85 °C (-40 ... 185 °F)
Storage temperature	-40 ... 150 °C (-40 ... 302 °F)
Mechanical specifications	
Housing length	51 mm
Housing width	36.3 mm
Housing height	7.5 mm
Degree of protection	IP69K
Material	
Housing	PA 6
Installation	
On metal	yes
Mass	28 g
Construction type	Rectangular type

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.