

RFID Transponder

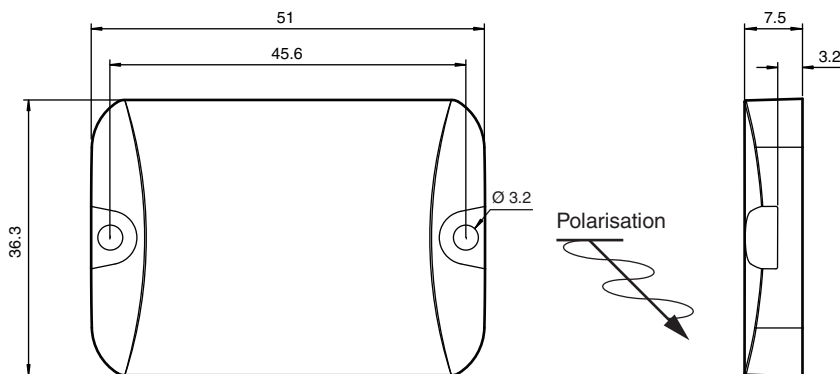
IUC76-F157-M-FR2



- 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
- Designed for paint shop applications

Data carrier

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)	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	
Electromagnetic compatibility	
R&TTE Directive 1995/5/EC	EN 302208-2:2011 V1.4.1
Standard conformity	
Electromagnetic compatibility	EN 302208-2:2011 V1.4.1

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

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Technical Data

Degree of protection	EN 60529:2000
RFID	ISO/IEC 18000-63:2015
Ambient conditions	
Ambient temperature	-30 ... 85 °C (-22 ... 185 °F)
Storage temperature	-40 °C ... 100 °C (-40 °F ... 212 °F) 30 minutes at 250 °C (dry heat) for 600 test cycles, 1 hour cooling 500 hours at 220 °C
Shock and impact resistance	3 ft (1m) to concrete up to 200 cycles
Mechanical specifications	
Housing length	51 mm
Housing width	36.3 mm
Housing height	7.5 mm
Degree of protection	IP68
Material	
Housing	PA 6
Installation	
On metal	yes
Mass	29 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.