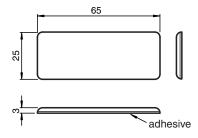# RFID Transponder
IQC21-F125 10pcs

- Operating frequency 13.56 MHz
- Conforms to ISO 15693
- 64 bit Fixcode
- 896 bits memory available
- Degree of protection IP65
- Self-adhesive mounting
- Can be mounted on metal
- Packaging unit: 10 pieces

Data carrier

UK
CA

Dimensions

adhesive

Technical Data

General specifications	
Operating frequency	13.56 MHz
Transfer rate	26 kBit/s
Memory	
Chip Type	I-CODE SLIX (NXP)
EEPROM	896 Bit
UID	64 Bit
Memory organization	4 bytes/block
Read cycles	unlimited
Write cycles	100000
Data retention period	50 years
Directive conformity	
Radio equipment	
Directive 2014/53/EU	EN 300330
RoHS	
Directive 2011/65/EU (RoHS)	IEC/EN 63000
Standard conformity	

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

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Technical Data

Degree of protection	EN 60529
RFID	ISO/IEC 15693-1 ISO/IEC 15693-2 ISO/IEC 15693-3 ISO/IEC 18000-3
Ambient conditions	
Ambient temperature	-25 ... 50 °C (-13 ... 122 °F)
Storage temperature	-25 ... 50 °C (-13 ... 122 °F)
Mechanical specifications	
Housing length	65 mm
Housing width	25 mm
Housing height	3 mm
Degree of protection	IP65
Material	
Housing	ABS + Epoxy
Installation	
On metal	yes
In air	yes
Construction type	Rectangular type
Note	Packaging unit, 10-piece

Mounting

The IQC21-F125 read/write tag has been specifically designed to be mounted directly to metal. The adhesive backing is 3M type 467. The product should be applied to a thoroughly cleaned and dried surface. Typical cleaning solvents are heptane* for oily surfaces or isopropyl alcohol for plastics. Use reagent grade solvents since household materials like rubbing alcohol frequently contain oils. This can interfere with the performance of the pressure-sensitive adhesive. Provide 10-15 psi during installation so adhesive comes in direct contact with metal/plastic. Use a hard edged plastic tool to help provide the necessary pressure for proper bonding to surface. Proper adhesive application temperature is in the range 60 °F (15.6 °C) to 100 °F (38 °C). It is not recommended to apply the tag to any surface below 50 °F (10 °C) because the adhesive becomes too firm to adhere readily.
*Carefully read and follow the manufacturer's precautions and directions when using solvents.

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