



## RFID read/write device

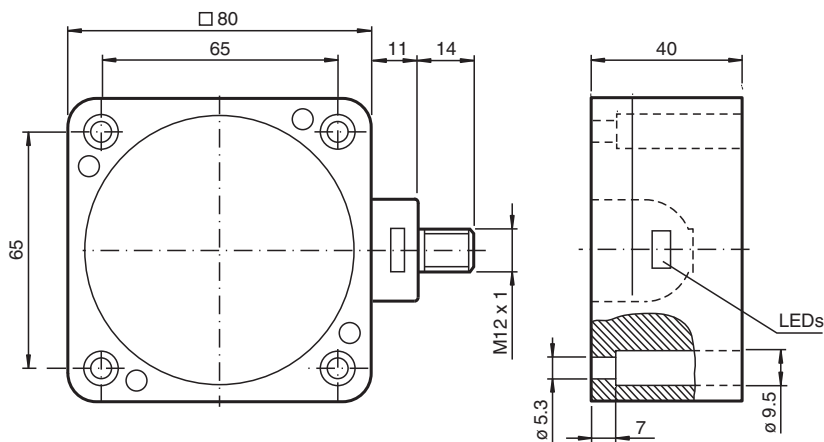
### IQT1-FP-R4-V1

- Operating frequency 13.56 MHz
- Conforms to ISO 15693
- Dual-LED for function display
- Connection via V1 (M12 x 1) plug connection
- Degree of protection IP67
- Connection via integrated RS-485 interface

HF RFID read/write device, ISO 15693



## Dimensions



## Technical Data

General specifications	
Operating frequency	13.56 MHz
Transfer rate	26 kBit/s
Sensing range	
Read distance	0 ... 130 mm
Write distance	0 ... 130 mm
Width	max. 100 mm
UL File Number	E87056
MTBF	110 a (Operation at +40 °C)
Indicators/operating means	
LED green/yellow	green: power on green flashing: read/write attempt performed yellow: data carrier detected
Electrical specifications	
Rated operating voltage	$U_e$ 10 ... 30 V DC, ripple 10 % <sub>SS</sub> , limited power source (EN 60950)
Power consumption	$P_0$ ≤ 1.3 W
Interface	
Physical	RS-485 point-to-point connection

Release date: 2023-08-08 Date of issue: 2023-08-08 Filename: 265937\_eng.pdf

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

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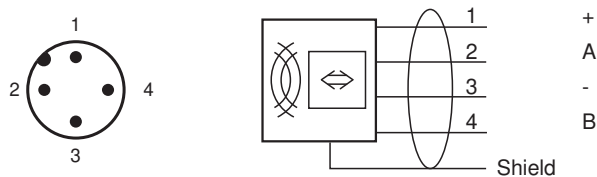
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## Technical Data

Protocol	ASCII
Transfer rate	1200, 2400, 4800, 9600, 19200, 38400 (default) Bit/s
Cable length	≤ 3 m
<b>Directive conformity</b>	
Radio equipment	
Directive 2014/53/EU	EN 301489-1 EN 301489-3 EN 300330 EN 62368-1 EN 50364
RoHS	
Directive 2011/65/EU (RoHS)	IEC/EN 63000
<b>Standard conformity</b>	
Degree of protection	EN 60529
RFID	ISO/IEC 15693-2 ISO/IEC 15693-3 ISO/IEC 18000-3
<b>Approvals and certificates</b>	
FCC approval	This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. <b>Caution:</b> Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
NCC approval	CCAM18LP0480T9
Radio approval	USA: FCC IREIQH1-FP-V1
<b>Ambient conditions</b>	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)
<b>Mechanical specifications</b>	
Housing length	108.5 mm
Housing width	80 mm
Housing height	40 mm
Degree of protection	IP67
Connection	connector M12 x 1
Material	
Housing	PBT
Base	diecast aluminum
Encapsulation compound	CY 221/HY 2966
Installation	
Distance between two heads	≥ 150 mm
Mass	approx. 380 g

## Connection



## Connection

The device may only be operated on a power source with limited power according to EN 60950.

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





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## Factory Setting

Interface transfer rate: 38400 bps  
 Port settings: 8 data bits, no parity, 1 stop bit, no handshake  
 Tag type: 20

## Accessories

	<b>IQC21-50F-T10</b>	Data carrier
	<b>IQC21-58</b>	Data carrier
	<b>IQC22-22-T9 50pcs</b>	Data carrier
	<b>IQC33-20 50pcs</b>	Data carrier
	<b>V1-G-2M-PUR-ABG-V1-W</b>	Cordset M12 socket straight to M12 plug angled A-coded, 4-pin, PUR cable grey, shielded
	<b>V1-G-5M-PUR-ABG-V1-W</b>	Cordset M12 socket straight to M12 plug angled A-coded, 4-pin, PUR cable grey, shielded
	<b>V1-G-10M-PUR-ABG-V1-W</b>	Cordset M12 socket straight to M12 plug angled A-coded, 4-pin, PUR cable grey, shielded
	<b>IQC33-50 25pcs</b>	Data carrier
	<b>IQC21-50 25pcs</b>	Data carrier
	<b>IQC33-30 25pcs</b>	Data carrier
	<b>IQC21-30 25pcs</b>	Data carrier
	<b>IQC21-16 50pcs</b>	Data carrier
	<b>IQC21-10</b>	Data carrier

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