



RFID read/write device

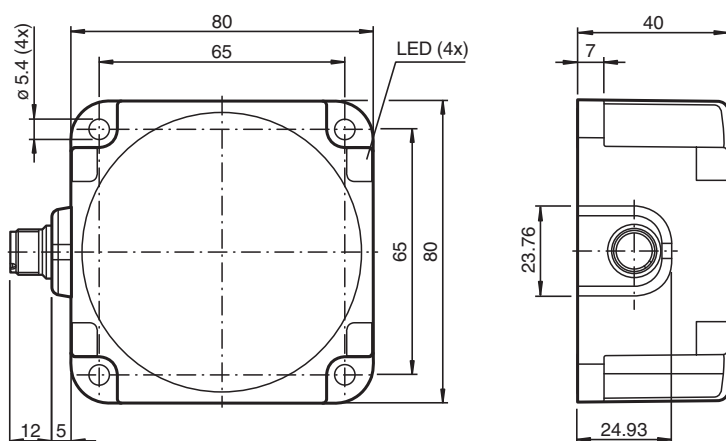
IQH3-FP-V1

- Range up to 30 cm
- Operating frequency 13.56 MHz
- Conforms to ISO 15693
- LEDs as function indicators
- Multi-tag reading of up to 20 tags ensures increased productivity
- For connection to IDENTControl control interface
- Degree of protection IP67

HF RFID read/write device, ISO 15693, for IDENTControl



Dimensions



Technical Data

General specifications

Operating frequency	13.56 MHz
Transfer rate	26 kBit/s
Sensing range	
Read distance	0 ... 300 mm (see manual)
Write distance	0 ... 300 mm (see manual)
Width	max. 300 mm
MTBF	97 a (Operation at +40 °C)

Indicators/operating means

LED green	Power on
LED yellow	Read/write operation successful
LED red	status display
LED blue	Transmission mode

Electrical specifications

Current consumption	≤ 700 mA
Supply	from the IDENTControl

Directive conformity

Release date: 2023-08-09 Date of issue: 2023-08-09 Filename: 70134030_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

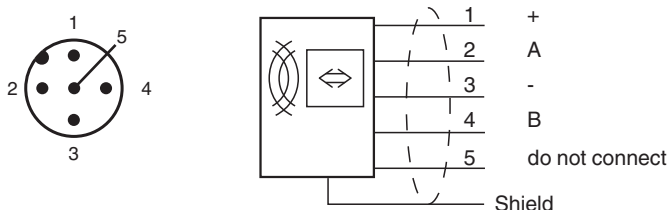
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

Technical Data

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
Standard conformity		
Degree of protection		EN 60529
RFID		ISO/IEC 15693-2 ISO/IEC 15693-3 ISO/IEC 18000-3
Approvals and certificates		
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. Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
IC approval		This device complies with Industry Canada licence-exempt RSS standard(s) and with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
Radio approval		USA: Contains FCC ID IREIQR3FP Canada: Contains IC 7037A-IQR3FP
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F) (Operation with nontransmission periods, adjustable) -25 ... 55 °C (-13 ... 131 °F) (Continuous transmission mode)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)
Mechanical specifications		
Housing length		80 mm
Housing width		80 mm
Housing height		40 mm
Degree of protection		IP67
Connection		connector M12 x 1
Material		
Housing		PA 6.6
Encapsulation compound		WEVO 403FL/300
Installation		
Distance between two heads		Multiplex on: ≥ 100 mm Multiplex off: ≥ 750 mm
Mass		385 g

Connection



Safety Information

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Accessories

	IC-KP-B6-V15B	Control interface unit IDENTControl with PROFIBUS DP interface
	IC-KP-B17-AIDA1	IDENTControl control interface with Ethernet interface for TCP/IP, PROFINET, EtherNet/IP, and MODBUS TCP protocols
	IC-KP2-2HRX-2V1	Control interface unit IDENTControl Compact with serial interface RS-232 and RS-485
	IC-KP2-2HB6-V15B	Control interface unit IDENTControl Compact with interface for PROFIBUS DP
	IC-KP2-2HB17-2V1D	IDENTControl Compact control interface with Ethernet interface for TCP/IP, PROFINET, EtherNet/IP, and MODBUS TCP protocols
	IC-KP2-2HB21-2V1D	Control interface unit IDENTControl Compact with EtherCAT interface
	IQC21-16 50pcs	Data carrier
	IQC21-30 25pcs	Data carrier
	IQC21-50F-T10	Data carrier
	IQC21-58	Data carrier
	IQC22-22-T9 50pcs	Data carrier
	IQC33-20 50pcs	Data carrier
	IQC33-30 25pcs	Data carrier
	IQC33-50 25pcs	Data carrier
	V1-G-*M-PUR-ABG-V1-G	Cordset M12 socket straight to M12 plug straight A-coded, 4-pin, PUR cable grey, shielded
	V1-G-*M-PUR-ABG-V1-W	Cordset M12 socket straight to M12 plug angled A-coded, 4-pin, PUR cable grey, shielded
	V1-G-BK*M-PUR-U/ABG-V1-G	Cordset M12 socket straight to M12 plug straight A-coded, 4-pin, PUR cable black, shielded, UL-approved, drag chain suitable