



RFID read/write device

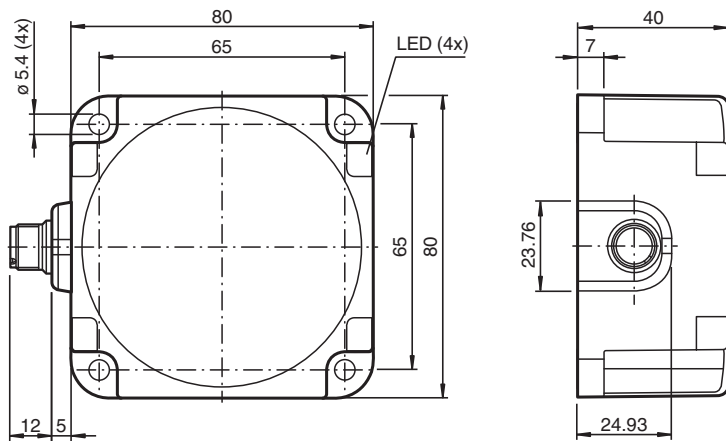
IQT3-FP-IO-V1

- 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 IO-Link master
- Degree of protection IP67

HF RFID read/write device with IO-Link in accordance with ISO 15693



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	90 a (Operation at +40 °C)

Indicators/operating means

LED green	Solid green: Ready for operation, no IO-Link communication Flashing green (1 Hz): IO-Link operation
LED yellow	Read/write operation successful
LED red	status display
LED blue	Transmission mode

Electrical specifications

Operating voltage	U _B	18 ... 30 V DC (IO-Link)
Current consumption		max. 700 mA (NOTE: Check the power supply capabilities at the port of the master and wire gauge of the connection cable in order to assure stable communication.)

Release date: 2024-06-19 Date of issue: 2024-06-19 Filename: 70134031_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

Interface		
Interface type	IO-Link	
IO-Link revision		1.1
Device profile	Identification and Diagnosis - I&D	
Process data		Input 32 Byte Output 32 Byte
Vendor ID	1 (0x0001)	
Device ID		4195073 (0x400301)
Data transfer rate	COM3 (230.4 kbits/s)	
Min. cycle time		4 ms
SIO mode support	no	
Compatible master port type		Class A Class B
Directive conformity		
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	
Communication interface		IEC 61131-9 / IO-Link V1.1.3
RFID	ISO/IEC 15693-2 ISO/IEC 15693-3 ISO/IEC 18000-3	
Approvals and certificates		
UL approval	E468231 cULus Listed, Class 2 Power Source, Type 1 enclosure	
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.
MIC approval		AC-24025
ACMA approval		CERT-7286
WPC approval		ETA-SD-20230908020
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		
Degree of protection		IP67
Connection	connector M12 x 1	
Material		
Housing	PA 6.6	

Release date: 2024-06-19 Date of issue: 2024-06-19 Filename: 70134031_eng.pdf

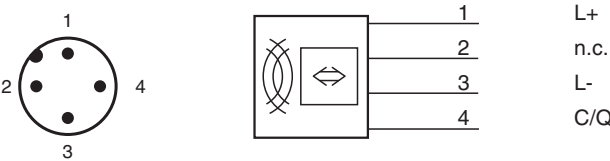
Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group
www.pepperl-fuchs.comUSA: +1 330 486 0001
fa-info@us.pepperl-fuchs.comGermany: +49 621 776 1111
fa-info@de.pepperl-fuchs.comSingapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com
 **PEPPERL+FUCHS**

Technical Data

Encapsulation compound	WEVO 403FL/300
Installation	
Distance between two heads	≥ 750 mm
Mass	385 g
Dimensions	
Height	40 mm
Width	80 mm
Length	80 mm

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.

Release date: 2024-06-19 Date of issue: 2024-06-19 Filename: 70134031_eng.pdf