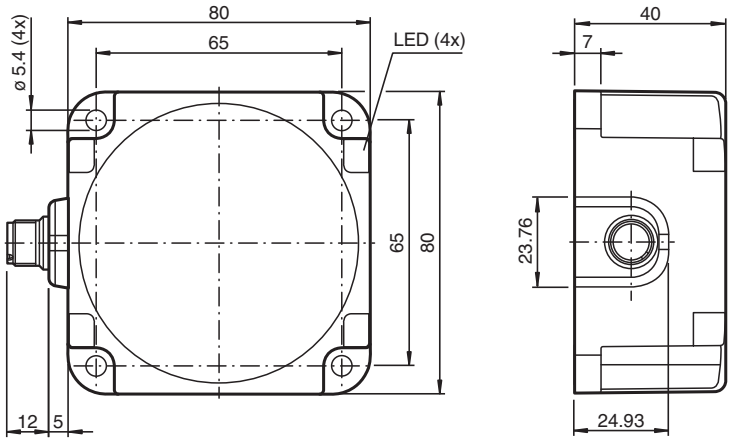
RFID read/write device

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: 2023-08-09 Date of issue: 2023-08-09 Filename: 70134031_eng.pdf

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	
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

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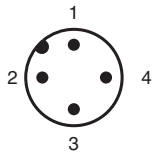
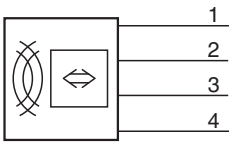
Technical Data

Installation		
Distance between two heads		≥ 750 mm
Mass		385 g

Connection





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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

	**ICE1-8IOL-G30L-V1D**	Ethernet IO-Link module with 8 inputs/outputs
	**ICE1-8IOL-G60L-V1D**	Ethernet IO-Link module with 8 inputs/outputs
	**ICE1-8IOL-S2-G60L-V1D**	Ethernet IO-Link master with PROFINET S2 redundancy
	**ICE2-8IOL-G65L-V1D**	EtherNet/IP IO-Link master with 8 inputs/outputs
	**ICE3-8IOL-G65L-V1D**	PROFINET IO IO-Link master with 8 inputs/outputs
	**IO-Link-Master02-USB**	IO-Link master, supply via USB port or separate power supply, LED indicators, M12 plug for sensor connection
	**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

Accessories

	**IQC33-30 25pcs**	Data carrier
	**IQC33-50 25pcs**	Data carrier
	**V1-G-*M-PVC-V1-G**	Cordset M12 socket straight to M12 plug straight A-coded, 4-pin, PVC cable grey
	**V1-G-BK*M-PVC-U-V1-G**	Cordset M12 socket straight to M12 plug straight A-coded, 4-pin, PVC cable black, UL approved
	**V1-G-BK*M-PUR-U-V1-G**	Cordset M12 socket straight to M12 plug straight A-coded, 4-pin, PUR cable black, UL-approved, drag chain suitable, torsion resistant

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