

RFID read/write device

IQT1-F61-R4-V1

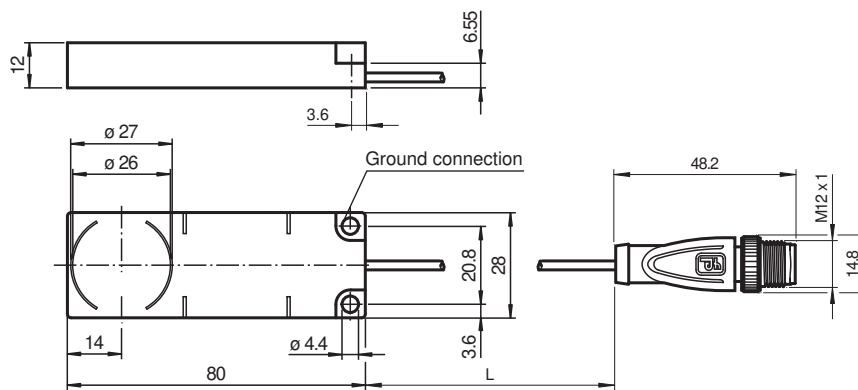


- Operating frequency 13.56 MHz
- Conforms to ISO 15693
- Suitable for FRAM transponder
- Particularly flat construction
- Connection cable with V1 plug (M12 x 1)
- Degree of protection IP67
- Can be mounted on metal
- Connection via integrated RS-485 interface

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 ... 55 mm
Write distance	0 ... 55 mm
Width	max. 45 mm
UL File Number	E87056
MTBF	385 a (Operation at +40 °C)

Electrical specifications

Rated operating voltage	U_e	10 ... 30 V DC , ripple 10 % _{SS} , limited power source (EN 60950)
Power consumption	P_0	≤ 1.3 W

Interface

Physical	RS-485 point-to-point connection
Protocol	ASCII
Transfer rate	1200, 2400, 4800, 9600, 19200, 38400 (default) Bit/s
Cable length	≤ 3 m

Release date: 2023-08-08 Date of issue: 2023-08-08 Filename: 265936_eng.pdf

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

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Technical Data

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
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: FCC IREIQH1-F61-V1 Canada: 7037A-IQH1F61V1

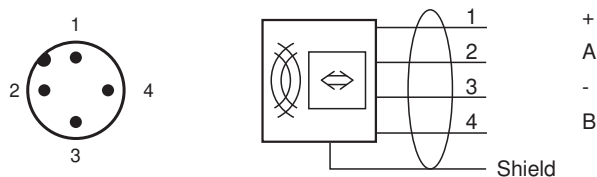
Ambient conditions

Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Storage temperature		-40 ... 85 °C (-40 ... 185 °F)

Mechanical specifications

Housing length		80 mm
Housing width		28 mm
Housing height		12 mm
Degree of protection		IP67
Connection		connector M12 x 1
Material		
Housing		ABS
Encapsulation compound		WEVO 403FL/300
Installation		
Distance between two heads		≥ 150 mm
Mass		approx. 60 g
Cable length		20 cm

Connection



Connection

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

Factory Setting

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

Accessories

	IQC21-8 10pcs	Data carrier
	IQC21-10 10pcs	Data carrier
	IQC21-12.4 10pcs	Data carrier
	IQC21-50F-T10	Data carrier
	IQC21-58	Data carrier
	IQC22-22-T9 50pcs	Data carrier
	IQC33-20 50pcs	Data carrier
	V1-G-2M-PUR-ABG-V1-W	Cordset M12 socket straight to M12 plug angled A-coded, 4-pin, PUR cable grey, shielded
	V1-G-5M-PUR-ABG-V1-W	Cordset M12 socket straight to M12 plug angled A-coded, 4-pin, PUR cable grey, shielded
	V1-G-10M-PUR-ABG-V1-W	Cordset M12 socket straight to M12 plug angled A-coded, 4-pin, PUR cable grey, shielded
	IQC33-50 25pcs	Data carrier
	IQC21-50 25pcs	Data carrier
	IQC33-30 25pcs	Data carrier
	IQC21-30 25pcs	Data carrier

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Accessories

	IQIC21-16 50pcs	Data carrier
	IQIC21-10	Data carrier

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