

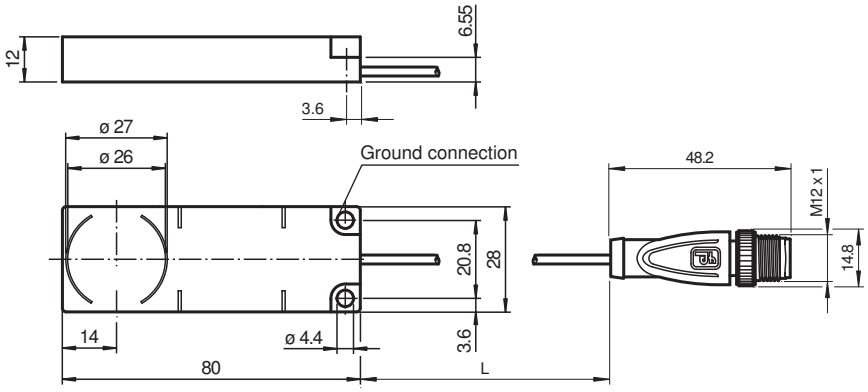
Read/write station

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 R/W system, 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
Functional safety related parameters		
$MTTF_d$		770 a
Mission Time (T_M)		10 a
Diagnostic Coverage (DC)		0 %
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		

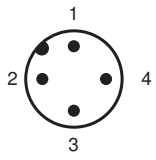
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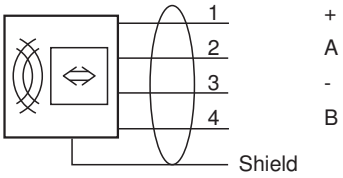
Technical Data

Physical	RS-485 point-to-point connection
Protocol	ASCII
Transfer rate	1200, 2400, 4800, 9600, 19200, 38400 (default) Bit/s
Cable length	≤ 3 m
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)	EN 50581
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	
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

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Connection





Accessories

	**IQC21-8 10pcs**	Data carrier
	**IQC21-10 10pcs**	Data carrier
	**IQC21-12.4 10pcs**	Data carrier
	**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-2M-PUR-ABG-V1-W**	Connecting cable, M12 to M12, PUR cable 4-pin, shielded
	**V1-G-5M-PUR-ABG-V1-W**	Connecting cable, M12 to M12, PUR cable 4-pin, shielded
	**V1-G-10M-PUR-ABG-V1-W**	Connecting cable, M12 to M12, PUR cable 4-pin, shielded

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Parameterization

Power supply:
The device must only be operated with a current source of limited power according to EN 60950.

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

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