



### Model Number

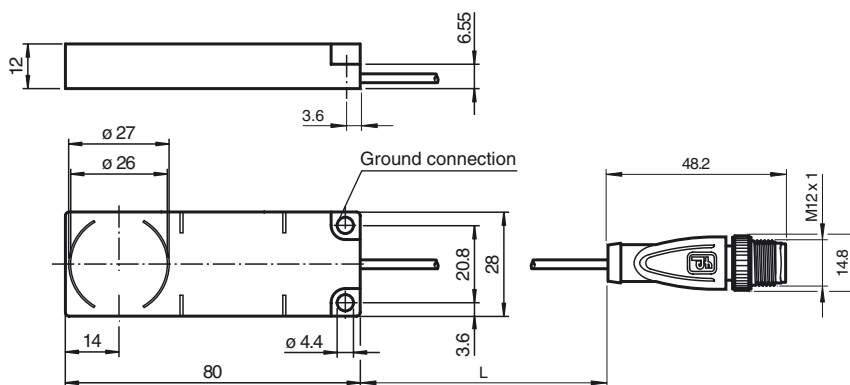
**IQT1-F61-R4-V1**

HF R/W system, ISO 15693

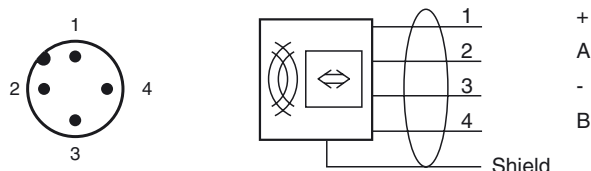
### Features

- 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

### Dimensions



### Electrical connection



### 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

#### Electrical specifications

Rated operating voltage	$U_e$	10 ... 30 V DC, ripple 10 % <sub>SS</sub> , 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

#### 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	M12 x 1 connector
Material	
Housing	ABS
Encapsulation compound	WEVO 403FL/300
Installation	
Distance between two heads	≥ 150 mm

Mass	approx. 60 g
Cable length	20 cm

#### Compliance with standards and directives

Directive conformity	
R&TTE Directive 1995/5/EC	EN 301489-1 V1.8.1 (2008-04), EN 301489-3 V1.4.1 (2002-08), EN 300330-2 V1.3.1 (2006-04), EN 60950-1:2006
Standard conformity	
Electromagnetic compatibility	EN 61000-6-2, EN 61000-6-4
Degree of protection	EN 60529:2000

RFID ISO/IEC 15693-2:2006 , ISO/IEC 15693-3:2009 , 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. <b>Caution:</b> Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Radio approval	USA: FCC IREIQH1-F61-V1

**Notes****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

**Accessories****IQC21-8 10pcs**

Data carrier

**IQC21-10 10pcs**

Data carrier

**IQC21-12.4 10pcs**

Data carrier

**IQC21-16 50pcs**

Data carrier

**IQC21-30P**

Data carrier

**IQC21-50P**

Data carrier

**IQC21-58**

Data carrier

**IQC21-C1**

Data carrier

**IQC21-F125 10pcs**

Data carrier

**IQC22-22-T9**

Data carrier

**IQC22-22CT-T9**

Data carrier

**IQC22-C1**

Data carrier

**IQC22-C4**

Data carrier

**IQC24-27-T12**

Data carrier

**IQC31-22-T9**

Data carrier

**IQC33-10 10pcs**

Data carrier

**IQC33-20**

Data carrier

**IQC33-30**

Data carrier

**IQC33-50**

Data carrier

**IQC21-50PVC**

Data carrier

**IQC21-F125**

Data carrier

**IQC33-20CT**

Data carrier

Release date: 2018-10-19 12:59 Date of issue: 2018-10-19 265996\_eng.xml