



### Model Number

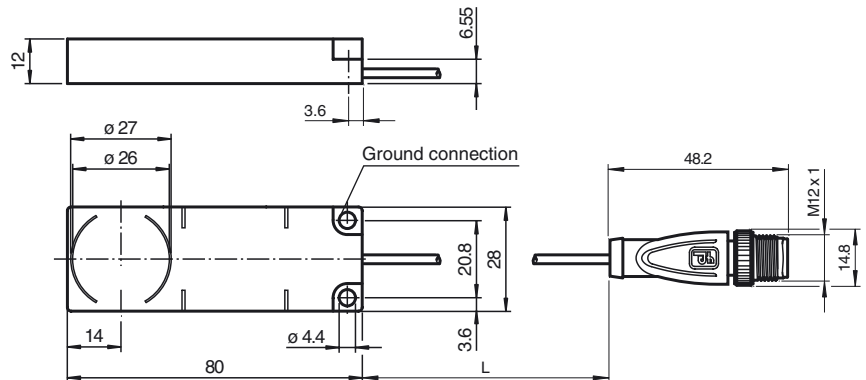
**IQH1-F61-V1**

Read/write head  
for IDENTControl

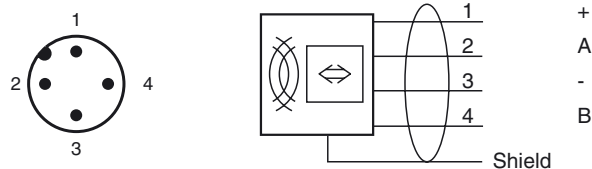
### Features

- 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

### Dimensions



### Electrical connection



### Technical data

#### General specifications

Operating frequency	13.56 MHz
Transfer rate	26 kBit/s
Sensing range	
Read distance	0 ... 50 mm
Write distance	0 ... 50 mm
Width	max. 45 mm
UL File Number	E87056

#### Electrical specifications

Power consumption	$P_0$	$\leq 1.3$ W
Supply	from the IDENTControl	

#### 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	Multiplex on: $\geq 100$ mm Multiplex off: $\geq 150$ mm
Mass	approx. 50 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
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.

**Caution:**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Notes**

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****IQC21-50P**

Data carrier

**IQC21-58**

Data carrier

**IQC22-C5**

Data carrier

**IQC33-20**

Data carrier

**IQC33-30**

Data carrier

**IQC33-50**

Data carrier

**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

**IQC24-27-T12**

Data carrier

**IQC31-22-T9**

Data carrier

**IQC22-22CT-T9**

Data carrier

**IQC22-C1 UNPRINTED**

Data carrier