



### Model Number

#### IQH1-F198-V1

HF read/write head, ISO 15693, 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
- For connection to IDENTControl control interface

### Accessories

#### IQC21-30P

Data carrier

#### IQC21-50P

Data carrier

#### IQC21-58

Data carrier

#### IQC33-20

Data carrier

#### IQC22-C1

Data carrier

#### IQC33-30

Data carrier

#### IQC33-50

Data carrier

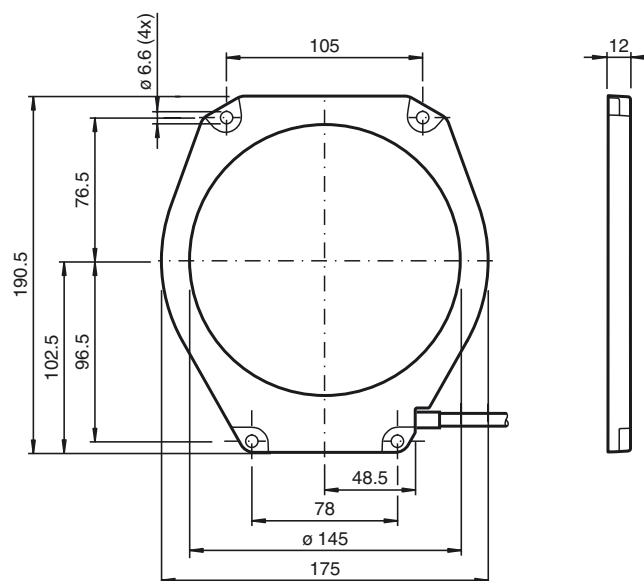
#### V1-G-5M-PUR-ABG-V1-W

Connecting cable, M12 to M12, PUR cable 4-pin, shielded

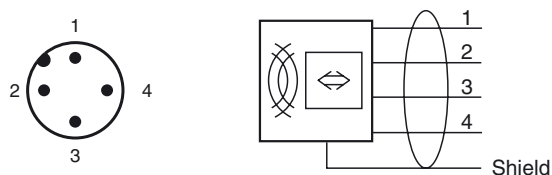
#### V1-G-10M-PUR-ABG-V1-W

Connecting cable, M12 to M12, PUR cable 4-pin, shielded

### Dimensions



### Electrical connection



### Technical data

#### General specifications

Operating frequency	13.56 MHz
Transfer rate	26 kBit/s
Sensing range	
Read distance	0 ... 150 mm
Write distance	0 ... 150 mm
Width	max. 145 mm
UL File Number	E87056

#### Indicators/operating means

LED green/yellow	green: power on green flashing: read/write attempt performed yellow: data carrier detected
------------------	--

#### Electrical specifications

Power consumption	$P_0$ ≤ 1.3 W
Supply	from the IDENTControl

#### Directive conformity

Radio and telecommunication terminal equipment

Directive 2014/53/EU	EN 301489-1:2011 V1.9.2, EN 301489-3:2013 V1.6.1, EN 300330:2017 V2.1.1, EN 60950-1:2006
----------------------	--

#### Standard conformity

Electromagnetic compatibility	EN 61000-6-2:2005, EN 61000-6-4:2007+A1:2011, EN 301489-1:2011 V1.9.2
Degree of protection	EN 60529
RFID	ISO/IEC 15693-2:2006, ISO/IEC 15693-3:2009, ISO/IEC 18000-3:2010

#### 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	PA 6.6
Encapsulation compound	WEVO 403FL/300
Installation	
Distance between two heads	Multiplex on: ≥ 100 mm Multiplex off: ≥ 150 mm
Mass	approx. 200 g
Cable length	20 cm
<b>Approvals and certificates</b>	
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.
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 IREIQH1F198V1 Canada: IC 7037A-IQH1F198V1

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.

Release date: 2018-02-02 09:40 Date of issue: 2018-02-02 287530\_eng.xml