







Model Number

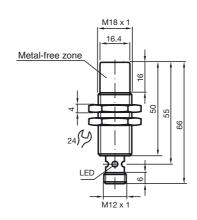
IQH1-18GM-V1

Read/write head for IDENTControl

Features

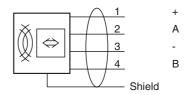
- Operating frequency 13.56 MHz
- Conforms to ISO 15693
- Suitable for FRAM transponder
- Read/write head with thread M18 x 1
- Connection via V1 (M12 x 1) plug connection
- Multihole-LED for function display
- Degree of protection IP67

Dimensions



Electrical connection





Technical data

General	specifi	ications

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 only from low voltage, limited energy source (SELV or PELV) or listed Class 2 source		General specifications	
Sensing range Read distance 0 55 mm Write distance 0 55 mm Width max. 45 mm UL File Number E87056 only from low voltage, limited energy source (SELV or		Operating frequency	13.56 MHz
Read distance 0 55 mm Write distance 0 55 mm Width max. 45 mm UL File Number E87056 only from low voltage, limited energy source (SELV or		Transfer rate	26 kBit/s
Write distance 0 55 mm Width max. 45 mm UL File Number E87056 only from low voltage, limited energy source (SELV or		Sensing range	
Width max. 45 mm UL File Number E87056 only from low voltage, limited energy source (SELV or		Read distance	0 55 mm
UL File Number E87056 only from low voltage, limited energy source (SELV or		Write distance	0 55 mm
		Width	max. 45 mm
		UL File Number	

Indicators/operating means

Multihole-LED: LED green/yellow

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

Electrical specifications

Power consumption	P_0	≤ 1.2 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	PBT/stainless steel			
Encapsulation compound	CY 221/HY 2966			
Installation	non-flush			
Distance between two heads	Multiplex on: ≥ 30 mm Multiplex off: ≥ 80 mm			

Mass Compliance with standards and direc-

tives

Directive conformity

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 R&TTE Directive 1995/5/EC

Standard conformity

Electromagnetic compatibility EN 61000-6-2:2006, EN 61000-6-4:2007 Degree of protection EN 60529:2000 RFID ISO/IEC 15693-2:2006, ISO/IEC 15693-3:2009, ISO/IEC 18000-3:2008

approx. 40 g

Refer to "General Notes Relating to Pepperl+Fuchs Product Information" Pepperl+Fuchs Group USA: +1 330 486 0001 www.pepperl-fuchs.com fa-info@us.pepperl-fuchs.com

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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