



Model Number

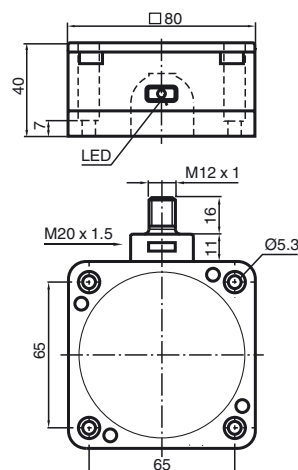
IQH1-FP-V1

HF read/write head, ISO 15693, for IDENTControl

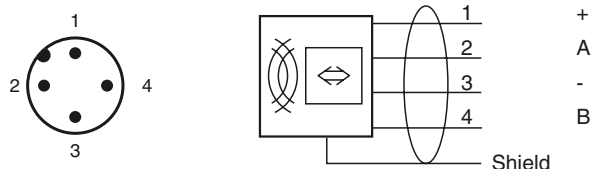
Features

- Operating frequency 13.56 MHz
- Conforms to ISO 15693
- Suitable for FRAM transponder
- Dual-LED for function display
- Connection via V1 (M12 x 1) plug connection
- Degree of protection IP67
- For connection to IDENTControl control interface

Dimensions



Electrical connection



Technical data

General specifications

Operating frequency	13.56 MHz
Transfer rate	26 kBit/s
Sensing range	
Read distance	0 ... 130 mm
Write distance	0 ... 130 mm
Width	max. 100 mm
UL File Number	E87056

Functional safety related parameters

MTTF _d	220 a
Mission Time (T _M)	10 a
Diagnostic Coverage (DC)	0 %

Indicators/operating means

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

Power consumption	P ₀	≤ 1.3 W
Supply		from the IDENTControl

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

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	PBT
Base	diecast aluminum
Encapsulation compound	CY 221/HY 2966
Installation	
Distance between two heads	Multiplex on: ≥ 100 mm Multiplex off: ≥ 150 mm
Mass	approx. 380 g

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.
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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**IC-KP-B6-V15B**

Control interface unit IDENTControl with PROFIBUS DP interface

IC-KP-B17-AIDA1

IDENTControl control interface
With Ethernet interface for TCP/IP, PROFINET, EtherNet/IP, and MODBUS TCP protocols

IC-KP2-2HRX-2V1

Control interface unit
IDENTControl Compact
with serial interface RS-232 and RS-485

IC-KP2-2HB6-V15B

Control interface unit
IDENTControl Compact
with PROFIBUS DP interface

IC-KP2-2HB17-2V1D

IDENTControl Compact control interface
With Ethernet interface for TCP/IP, PROFINET, EtherNet/IP, and MODBUS TCP protocols

IC-KP2-2HB21-2V1D

Control interface unit
IDENTControl Compact
with EtherCAT interface

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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