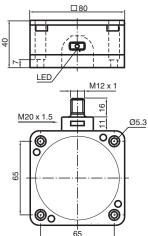


HF read/write head, ISO 15693, for IDENTControl





## **Technical Data**

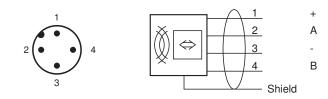
#### **General specifications** Operating frequency 13.56 MHz Transfer rate 26 kBit/s Sensing range Read distance 0 ... 130 mm Write distance 0 ... 130 mm Width max. 100 mm E87056 UL File Number Functional safety related parameters MTTF<sub>d</sub> 220 a Mission Time (T<sub>M</sub>) 10 a Diagnostic Coverage (DC) 0% Indicators/operating means LED green/yellow green: power on green flashing: read/write attempt performed yellow: data carrier detected **Electrical specifications**

Refer to "General Notes Relating to Pepperl+Fuchs Product Information"

### Read/write head

Technical Data		
Power consumption	P <sub>0</sub>	≤ 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
Approvals and certificates		
FCC approval		<ul> <li>This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:</li> <li>(1) This device may not cause harmful interference, and</li> <li>(2) This device must accept any interference received, including interference that may cause undesired operation.</li> <li>Caution:</li> <li>Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.</li> </ul>
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

# Connection



### 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

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Accessories				
	IC-KP2-2HRX-2V1	Control interface unit IDENTControl Compactwith serial interface RS-232 and RS-485		
	IC-KP2-2HB6-V15B	Control interface unit IDENTControl Compact with interface for PROFIBUS DP		
	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		
$\overline{\mathbf{\cdot}}$	IQC21-58	Data carrier		
	IQC22-22-T9 50pcs	Data carrier		
Arrent Auto DEPT-20 ACC3-20 Macher States CE	IQC33-20 50pcs	Data carrier		
C € € € 1000 C € € € 1000 C € € 1000 C € € 1000 C € 100	IQC33-30 25pcs	Data carrier		
Conversion Berry Conversion Conve	IQC33-50 25pcs	Data carrier		
2	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		
$\geq$	V1-G-10M-PUR-ABG- V1-W	Connecting cable, M12 to M12, PUR cable 4-pin, shielded		

 Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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### **Safety Information**

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.

Refer to "General Notes Relating to Pepperl+Fuchs Product Information"

