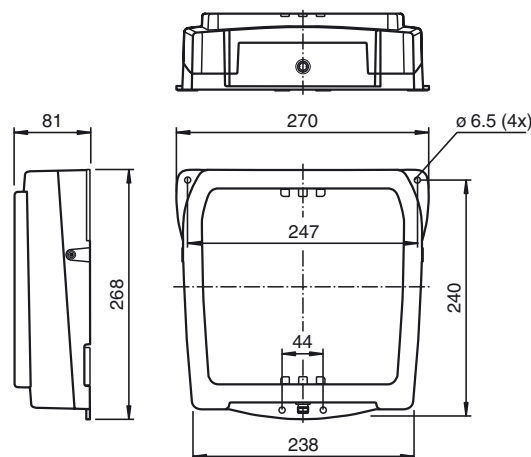CE

Model Number

IUH-F192-V1-FR1

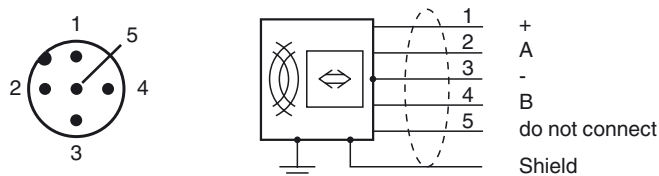Read/Write head for IDENT*Control*, Europe, Middle East and Africa

Features

- Flexible UHF read/write head with long range for use worldwide
- Ready-made PLC function blocks designed for quick and easy system integration
- Compact and robust housing for harsh industrial environments
- Switchable antenna polarization guarantees reliable tag detection and enhances process flow
- Multi-tag reading of up to 200 tags increases productivity
- For connection to IDENT*Control* control interface

Dimensions

Electrical connection

1	+
2	A
3	-
4	B
5	do not connect
	Shield

Technical data

General specifications		
Operating frequency		865 MHz … 868 MHz: EU, Turkey
		865 MHz … 867 MHz: India
		866 MHz … 867.6 MHz: Russia
		Transmission licenses for other countries on request
Emitted power		10 ... 2000 mW ERP (ETSI 302208) adjustable
Operating distance		typ. 4 m
Functional safety related parameters		
$MTTF_d$		128 a
Indicators/operating means		
LED green		Power on
LED yellow		Read/write operation successful
LED blue		Transmission mode
Electrical specifications		
Power consumption	P_0	≤ 10 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		PA 6
Base		diecast aluminum
Mass		approx. 3000 g
Compliance with standards and directives		
Directive conformity		
R&TTE Directive 1995/5/EC		EN 301489-1 V1.9.2:2011
		EN 301489-3 V1.6.1:2013
		EN 302208-2 V1.4.1:2012
		EN 60950-1:2006/A1:2010
		EN 50364:2010
Standard conformity		
Degree of protection		EN 60529:2000
Approvals and certificates		
Radio approval		EU: DOC-2318
		India: ETA-103/2016-RLO(SR)/2441

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

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Notes

This product is a wireless device and may be operated only in the country for which a transmission license exists. Information regarding transmission licenses can be found on the datasheet for the product. If a product is released to a customer in a country for which there is no transmission license, the product may be operated only in the country for which a transmission license exists.

If a product does not correspond to the legal requirements in force in the EU but is released to a purchaser within the EU, the product is intended for use solely in the destination country of the end customer outside of the EU for which a transmission license exists. The product may therefore under no circumstances be used directly by the purchaser or released to third parties for the purpose of distribution, application or use on the market within the EU as part of a commercial activity.

In the event of an infringement, the purchaser is obliged to indemnify the supplier against any resulting damages, costs, penalty payments and other expenses.

Function

The IUH-F192-V1-FR1 read/write head operates in the UHF frequency range and is optimized for use in industrial applications involving greater distances. The device reads and writes passive tags in line with EPC Generation 2 (ISO/IEC 18000-63). The dense reader mode that has been implemented, which operates in accordance with ETSI EN 302208-1, prevents read/write heads installed in close proximity from interfering with one another.

Wide range of options supported for filtering data. The read/write head is connected to the IDENT*Control* interface using an M12 connector. The user can monitor the status of the read/write head using the integrated LEDs.

The read/write head has a typical detection range of around 4 meter; this range is determined by the tag used and can be adjusted by selecting the transmission power. Other influencing factors include the setup and installation for the specific application in question, interference from materials present in the area (in particular metal), and the ambient conditions. The read and write distances for the relevant tag, which are detailed separately, have been established in a test laboratory under ideal conditions. For this reason, the combination of read/write head and tag must be tested for the intended application under real conditions.

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

Accessories

IC-KP-B17-AIDA1
IDENTControl control interface
With Ethernet interface for TCP/IP,
PROFINET, EtherNet/IP, and MODBUS
TCP protocols

IC-KP2-1HB17-2V1D
IDENTControl Compact control interface
With Ethernet interface for TCP/IP,
PROFINET, EtherNet/IP, and MODBUS
TCP protocols

IC-KP2-2HB17-2V1D
IDENTControl Compact control interface
With Ethernet interface for TCP/IP,
PROFINET, EtherNet/IP, and MODBUS
TCP protocols

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Accessories

IC-KP2-1HB6-V15B
Control interface unit
IDENTControl Compact
with PROFIBUS DP interface

IC-KP2-2HB6-V15B
Control interface unit
IDENTControl Compact
with PROFIBUS DP interface

IC-KP2-1HB6-2V15B
Control interface unit
IDENTControl Compact
with PROFIBUS DP interface

IC-KP2-1HRX-2V1
Control interface unit
IDENTControl Compact
with serial interface RS-232 and RS-485

IC-KP2-2HRX-2V1
Control interface unit
IDENTControl Compact
with serial interface RS-232 and RS-485

IC-KP2-2HB21-2V1D
Control interface unit
IDENTControl Compact
with EtherCAT interface

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

IUC72-F152-M-FR1
Data carrier

IUC76-50-FR1
Data carrier

IUC76-F157-M-FR1
Data carrier

IUC76-F203-M-FR1 10pcs
Data carrier

IUC76-C8-T14-GBL
Data carrier

IUC77-F151-M-GBL
Data carrier

IUC77-25L100-GBL 1000pcs
Data carrier

IUC77-25L110-GBL 1000pcs
Data carrier

IUC78-17L73-GBL-Y270371 15Kpcs
Data carrier

IUZ-MH13
Mounting bracket for wall mounting

IUZ-MH15
Mounting aid for round steel ø 12 mm or sheet 1.5 mm ... 3 mm

IUC76-F157-T17-M-FR1
Data carrier for standard applications

IUC76-F157-T17-M-FR2

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Accessories

Data carrier for standard applications

IUC76-F157-T18-M-FR1
Data carrier for paint shop applications

IUC76-F157-T18-M-FR2
Data carrier for paint shop applications

IUC76-F157-T19-M-FR1
Data carrier for autoclave applications

IUC76-F157-T19-M-FR2
Data carrier for autoclave applications

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