



Read/write head IUH-F192-V1-FR1

- 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 IDENTControl control interface

Read/Write head for IDENTControl, Europe, Middle East and Africa



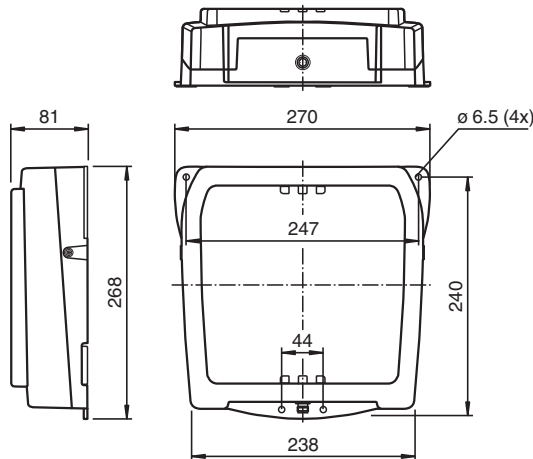
Function

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 IDENTControl 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 3 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.

Dimensions



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

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

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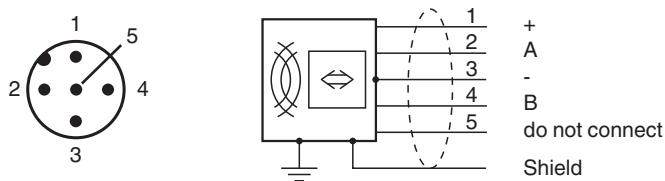
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PEPPERL+FUCHS

Technical Data

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
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
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	PA 6
Base	diecast aluminum
Mass	approx. 3000 g

Connection











Accessories

	IUC76-34-M-FR1	Data carrier
	IUC76-50-FR1	Data carrier
	IUC76-F157-T17-M-FR1	Data carrier for standard applications
	IUC76-F157-T18-M-FR1	Data carrier for paint shop applications

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Accessories

	IUC76-F157-T19-M-FR1	Data carrier for autoclave applications
	IUC76-28L90-M-FR1 25pcs	Data carrier
	IUC77-25L100-GBL 1000pcs	Data carrier
	IUZ-MH13	Mounting bracket for wall mounting
	IUZ-MH15	Mounting aid for round steel \varnothing 12 mm or sheet 1.5 mm ... 3 mm
	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

Function

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.