Dimensions

Electrical connection

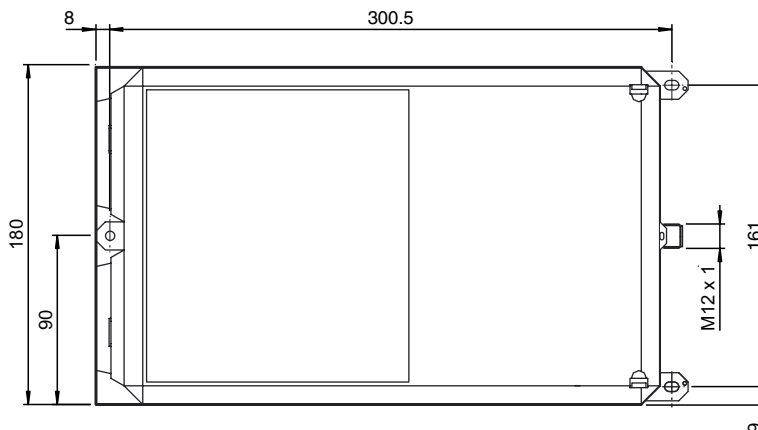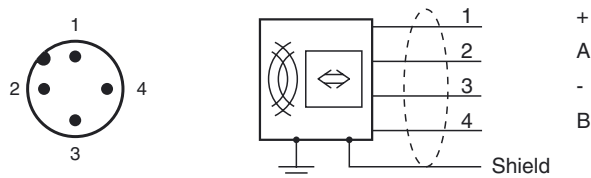|	
1	+
2	A
3	-
4	B
	Shield

Model Number

IUH-F117-V1-EU

UHF read/write head, for IDENT*Control* Compact

Features

- 3 LEDs for function indication
- Connection via V1 (M12 x 1) plug connection

Technical data

General specifications	
Operating frequency	865.1 ... 867.9 MHz
Emitted power	ERP 2 W
Operating distance	maximum: 6 m
UL File Number	E350082

Indicators/operating means	
LED green/yellow	green: power on green flashing: read/write attempt performed Yellow: command executed

Electrical specifications		
Power consumption	P_0	≤ 30 W
Supply		from the IDENTControl

Ambient conditions	
Ambient temperature	-25 ... 55 °C (-13 ... 131 °F)
Storage temperature	-25 ... 85 °C (-13 ... 185 °F)

Mechanical specifications	
Degree of protection	IP54
Connection	M12 x 1 connector
Material	
Housing	aluminum / ABS
Mass	approx. 3.1 kg

Compliance with standards and directives	
Directive conformity	
R&TTE Directive 1995/5/EC	EN 301489-1 V1.9.2:2011 EN 301489-3 V1.4.1:2003 EN 302208-2 V1.4.1:2012 EN 60950-1:2006/A1:2010 EN 50364:2010
Standard conformity	
Degree of protection	EN 60529:2000

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

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Function

The read/write head IUH-F117-V1-EU operates in the UHF frequency range. The read/write head is optimized for greater distances by the use of a highly sensitive transmitting and receiving unit. The device reads and writes passive tags according to EPC Gen2 (ISO/IEC 18000-63). The implemented dense reader mode according to ETSI EN 302208-1 avoids mutual interference of closely adjacent read/write heads.

The read/write head supports extensive possibilities for data filtering. The read/write head is connected to the IDENTControl conrol interface via an M12 connector. The status of the read/write head is displayed via the built-in LEDs.

The read/write head has a typical detection range of about 5 m. The detection range is influenced by the tag used and can be adjusted with the transmission power. Other influencing factors are the mounting for the specific application, the influence of present materials (especially metal) and environmental conditions. The separately specified read and write distances for the respective tags have been determined in a test laboratory under ideal conditions. Thus try the combination of read/write head and tag for the desired application under real conditions.

Accessories

IUZ-MH10
Mounting accessories for wall mounting

IUZ-MH11
Mounting accessories for pole mounting

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-F151-M-FR1
Data carrier

IUC72-F152-M-FR1
Data carrier

IUC76-50-M-FR1
Data carrier

IUC76-50-FR1
Data carrier

IUC76-F203-M-FR1 10pcs
Data carrier

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

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

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

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

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

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

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