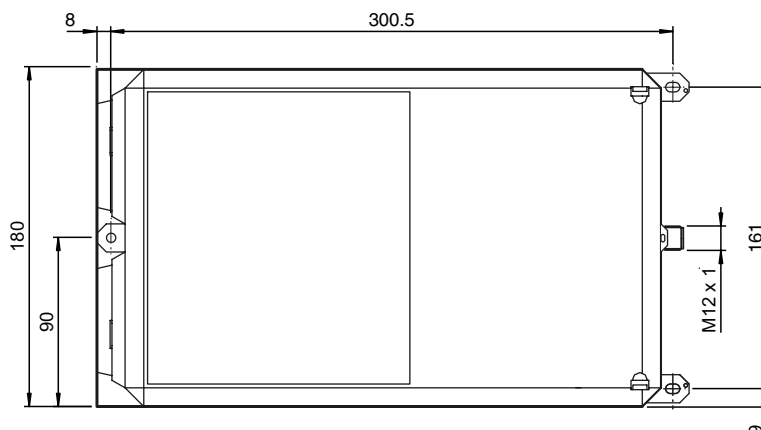
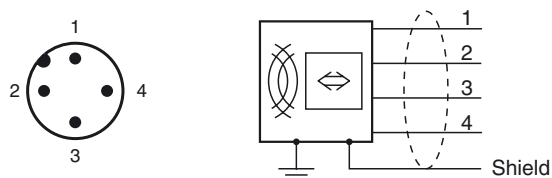


**Model Number****IUH-F117-V1-CN**Read/write head  
for IDENTControl Compact**Features**

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

**Dimensions****Electrical connection****Technical data****General specifications**

Operating frequency	920.5 ... 924.5 MHz
Emitted power	ERP 2 W
Operating distance	maximum: 6 m
Radio approval	CMIIT ID: 2011DJ6240

**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**

Protection degree	IP54
Connection	M12 x 1 connector
Material	
Housing	aluminum / ABS
Mass	approx. 3.1 kg

**Compliance with standards and directives**

Standard conformity	
Electromagnetic compatibility	EN 301489-1 V1.9.2:2011 , EN 301489-3 V1.4.1:2003
Safety	EN 60950-1:2006/A1:2010
Protection degree	EN 60529:2000
Standards	EN 50364:2010



Function

The read/write head IUH-F117-V1-CN 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 frequency hopping 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 control 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.

Release date: 2014-01-15 11:37 Date of issue: 2014-01-15 228806\_eng.xml

**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-F152-M-FR2**

Data carrier

**IUC76-F157-M-FR2**

Data carrier

**IUC76-50-M-FR2**

Data carrier

**IUC76-50-FR2**

Data carrier

**IC-KP-B17-AIDA1**

Control interface unit IDENTControl with Ethernet interface

**IC-KP2-1HRX-2V1**

Control interface unit IDENTControl Compact with serial interface

**IC-KP2-2HRX-2V1**

Control interface unit IDENTControl Compact with serial interface

**IC-KP2-1HB6-V15B**

Control interface unit IDENTControl Compact with interface for PROFIBUS DP

**IC-KP2-1HB6-2V15B**

Control interface unit IDENTControl Compact with interface for PROFIBUS DP

**IC-KP2-2HB6-V15B**

Control interface unit IDENTControl Compact with interface for PROFIBUS DP

**IC-KP2-1HB17-2V1D**

Control interface unit IDENTControl Compact with Ethernet interface

**IC-KP2-2HB17-2V1D**

Control interface unit IDENTControl Compact with Ethernet interface

Release date: 2014-01-15 11:37 Date of issue: 2014-01-15 228806\_eng.xml