



Model Number

IUH-F117-V1

Read/write head
for IDENTControl Compact

Features

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

Function

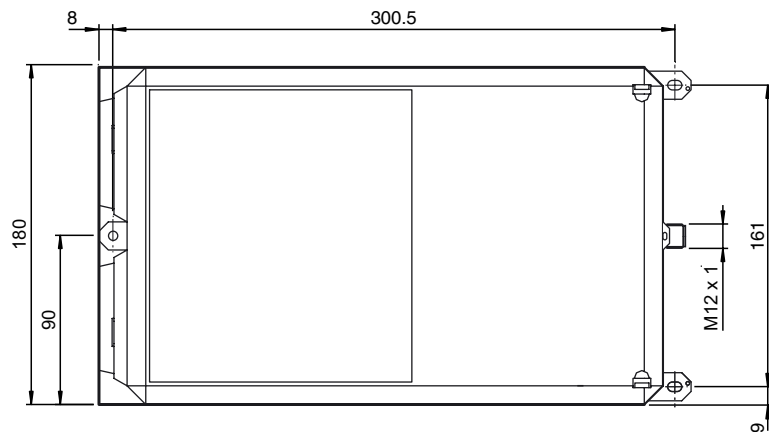
The IUH-F117-V1 read/write head was developed to read passive data carriers referred to as "Smart Labels" at an operating frequency in the UHF range (865 - 928 MHz).

A highly sensitive built-in transmitter and receiver unit permits a recording range of up to 6 meters for data carriers and allows for transponder protocols as specified by EPC Gen2 as well as optional ISO 18000-6-B and ISO 18000-6-C. Special blocking options support operation with read/write heads in close proximity to each other.

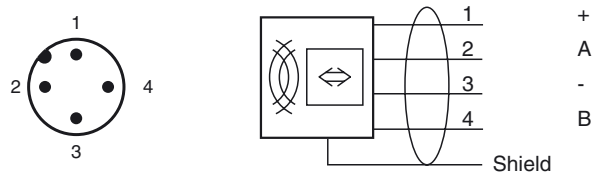
The powerful integrated decoding module decodes FM0-coded transponder signals between 40 ... 320 kbps and side-band-coded transponder signals (dense reader mode) with 64 kbps (EU). Buffered read mode and notification function also facilitate advanced data filtering and storage.

The write/read head is connected via an M12 connector to the IDENTControl control interface and is protected against faults including antenna short circuit and electrostatic discharge.

Dimensions



Electrical connection



Technical data

General specifications

Operating frequency	865.1 ... 867.9 MHz
Emitted power	2 W ERP
Operating distance	maximum: 6 m

Indicators/operating means

LED green/yellow	green: power on green flashing: read/write attempt performed Yellow: command executed
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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	IP51
Connection	M12 x 1 connector
Material	
Housing	aluminum / ABS
Mass	approx. 2.7 kg

Compliance with standards and directives

Directive conformity	
R&TTE Directive 1995/5/EC	EN 301489-1, EN 301489-3, EN 302208, EN 60950-1
Standard conformity	
Electromagnetic compatibility	EN 301489-1:2008, EN 301489-3:2002
Protection degree	EN 60529:2000
Standards	EN 50364:2010

Accessories**IUC72-F152**

Data carrier

IUZ-MH11

Mounting accessories for pole mounting

IUC76-F157-M

Data carrier

IUC75-F155

Data carrier

IUC71-50

Data carrier

IUC72-C6-T10

Data carrier

IUC72-F151

Data carrier

IUC73-F153

Data carrier

IUC74-F154

Data carrier

IUC71-F150-T11

Data carrier

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

IUZ-MH10

Mounting accessories for wall mounting