## Model Number

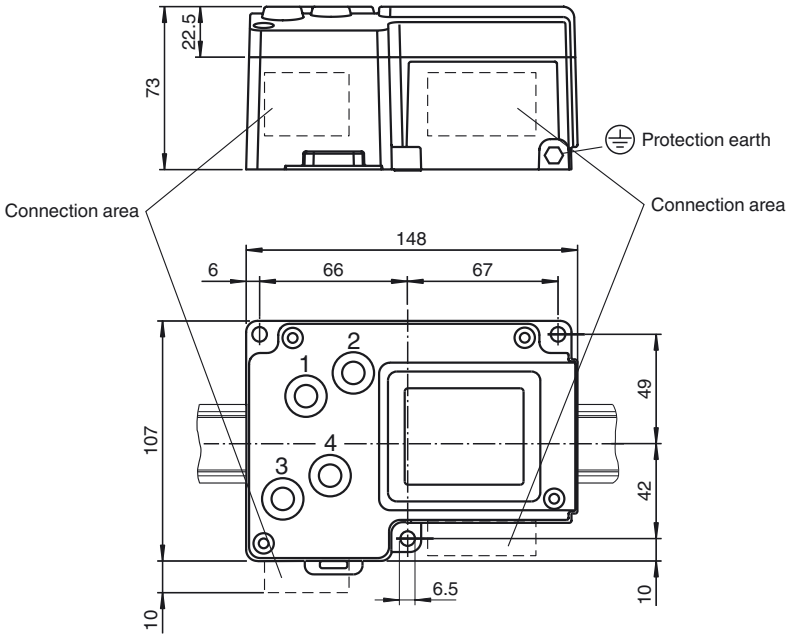
**IC-KP-B17-AIDA1**

IDENTControl control interface
With Ethernet interface for TCP/IP, PROFINET, EtherNet/IP, and MODBUS TCP protocols

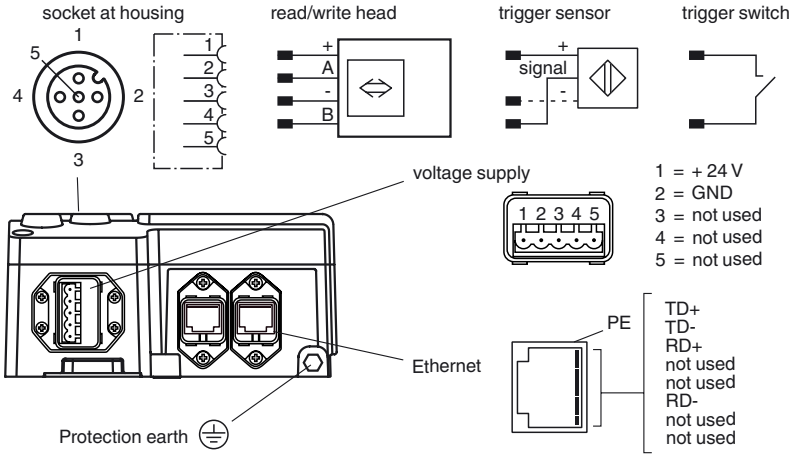
## Features

- Max. 4 read/write heads connectable
- Alternative 2 read/write heads and 2 trigger sensors can be connected
- LED status indicator of bus communication and read/write heads
- TCP/IP, MODBUS/TCP, EtherNet/IP and PROFINET IO protocol
- Connector acc. to AIDA specifications
- Integrated switch allows line topology

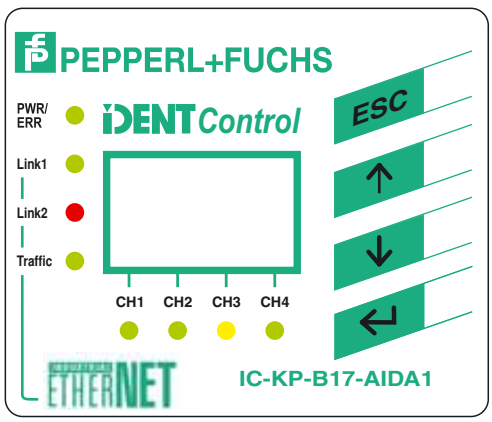
## Dimensions




## Electrical connection




## Indicating / Operating means

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## Technical data

| | | |
|---|---|---|
| **General specifications** | | |
| Number of read/write heads | | max. 4<br>alternative 2 read/write heads and 2 trigger sensors |
| UL File Number | | E87056 |
| **Indicators/operating means** | | |
| LEDs CH1, CH2, CH3, CH4 | | Status indicator for read/write heads<br>green: command at read/write head active<br>yellow: approx. 1 second long, if command was successfully executed |
| LED PWR/ERR | | green: power on<br>red: PROFINET bus failure |
| LED Link1/Link2 | | green: network connection |
| LED Traffic | | green: flashes in rhythm with the transmitted data |
| LC display | | two-line multi-function display with 12 characters per line configuration of the control interface and display of connected read/write heads as additional pictograms; easy and direct selection of operating commands |
| Button | | 4 keys: ESC, up, down and return |
| **Electrical specifications** | | |
| Rated operating voltage | $U_e$ | 20 ... 30 V DC , PELV |
| Ripple | | ≤ 10 % at 30 V DC |
| Current consumption | | ≤ 8 A incl. read/write heads |
| Power consumption | $P_0$ | 3.5 W Without read/write heads |
| Galvanic isolation | | basic insulation acc. to DIN EN 50178, rated insulation voltage of 50 $V_{eff}$ |
| **Interface 1** | | |
| Physical | | Ethernet |
| Protocol | | SMTP<br>HTTP<br>TCP/IP (Port 10000)<br>MODBUS/TCP<br>EtherNet/IP<br>PROFINET IO |
| Transfer rate | | 10 MBit/s or 100 MBit/s |
| **Directive conformity** | | |
| Electromagnetic compatibility | | |
| Directive 2014/30/EU | | EN 61326-1:2013 |
| **Standard conformity** | | |
| Degree of protection | | IEC 60529:2001 |
| **Ambient conditions** | | |
| Ambient temperature | | -25 ... 70 °C (-13 ... 158 °F) |
| Storage temperature | | -30 ... 80 °C (-22 ... 176 °F) |
| Climatic conditions | | air humidity max. 96 % |
| Shock and impact resistance | | Oscillation (Sine): 5 g, 10 - 1000 Hz to EN 60068-2-6<br>Shock (Half-sine): 30 g, 11 ms in accordance with EN 60068-2-27 |

## Function

The innovative concept of the RFID identification system **IDENT***Control* from Pepperl+Fuchs has many advantages in comparison to other systems. The core piece of the system is the evaluation unit **IDENT***Control*.
Thanks to the integrated interfaces for all standard field bus systems such as PROFIBUS, EtherNet, PROFINET IO, DeviceNet, serial connections (RS 232/RS 485/RS 422) and numerous connection options for inductive write/read heads as well as microwave antennas, the evaluation unit **IDENT***Control* can be adjusted to your needs in a flexible and easy manner.
LEDs indicate operating power and bus communication, connected write/read heads and active write/read commands.
Mounting the unit onto DIN mounting rails is easy thanks to the snap-fits on the back of the housing of the evaluation unit **IDENT***Control* .
With its L-shaped housing, the evaluation unit including bus connector fits into a 120 mm grid in the switch cabinet. The mounting depth of 70 mm furthermore enables installation in flat switch boxes with a depth of only 100 mm.
There are 3 further mounting holes for field mounting.

## Accessories

**ICZ-AIDA1-MSTB-0,2M-PUR-V1-G**
Connection cable MSTB to M12 connector

**ICZ-AIDA1-B**
Blind plug for IC-KP-B17-AIDA1

**ICZ-AIDA1-MSTB**
Plug connector MSTB

**V1-G-5M-PUR-ABG-V1-W**
Connecting cable, M12 to M12, PUR cable 4-pin, shielded

**ICZ-AIDA1-V45**
Plug connector for RJ-45

**CBL-PUR-PN-GN-04x034-100M**
Cable, PROFINET, PUR/PE, 4-wire, shielded

**RFIDControl**
Software for RFID identification systems

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