Protection earth

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Connection area

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148

67

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### **Model Number**

### IC-KP-B17-AIDA1

Control interface unit IDENTControl with Ethernet interface

### Features

- Max. 4 read/write heads connectable •
- Alternative 2 read/write heads and 2 trigger sensors can be connected
- LED status indicator of bus communi-٠ cation and read/write heads
- TCP/IP, MODBUS/TCP, EtherNet/IP • and PROFINET IO protocol
- Connector acc. to AIDA specifications •
- Integrated switch allows line topology •

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22.5

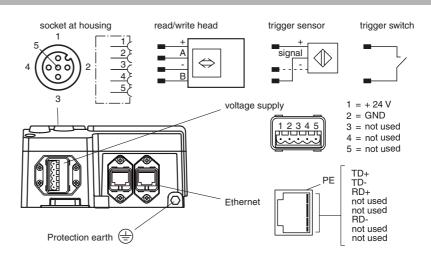
6

73

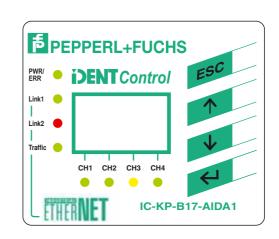
Dimensions

Connection area

# **Electrical connection**



# Indicating / Operating means



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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**-

Thanks to the integrated interfaces for all standard field bus systems such as PROFI-

**Function** 

Control.

Technical data	
General specifications	
Number of read/write heads	max. 4 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 green: command at read/write head active yellow: approx. 1 second long, if command was successfully executed
LED PWR/ERR	green: power on 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 <sub>e</sub>	20 30 V DC , PELV
Ripple	$\leq$ 10 % at 30 V DC
Current consumption	$\leq$ 8 A incl. read/write heads
Power consumption P <sub>0</sub>	3.5 W Without read/write heads
Electrical isolation	basic insulation acc. to DIN EN 50178, rated insulation voltage o 50 $\rm V_{eff}$
Interface 1	
Physical	Ethernet
Protocol	SMTP HTTP TCP/IP (Port 10000) MODBUS/TCP EtherNet/IP PROFINET IO
Transfer rate	10 MBit/s or 100 MBit/s
Interface 2	
Physical	Ethernet
Protocol	SMTP HTTP TCP/IP (Port 10000) MODBUS/TCP EtherNet/IP PROFINET IO
Transfer rate	10 MBit/s or 100 MBit/s
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 Shock (Half-sine): 30 g, 11 ms in accordance with EN 60068-2- 27
Mechanical specifications	
Protection degree	IP67
Connection	Read/write heads: shielded, 4-pin, M12 connector Power supply: MSTB AIDA Protective earth: M6 earthing screw Ethernet: RJ-45 AIDA
Material	
Housing	powder coated aluminum
Installation	snap-on to 35 mm standard rail or screw fixing
Mass	approx. 1000 g
Compliance with standards and directives	
Directive conformity	
	EN 61326-1:2006
EMC Directive 2004/108/EC	
EMC Directive 2004/108/EC Standard conformity	

BUS, 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 IDENTControl 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 IDENTControl . 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-pin, shielded

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

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