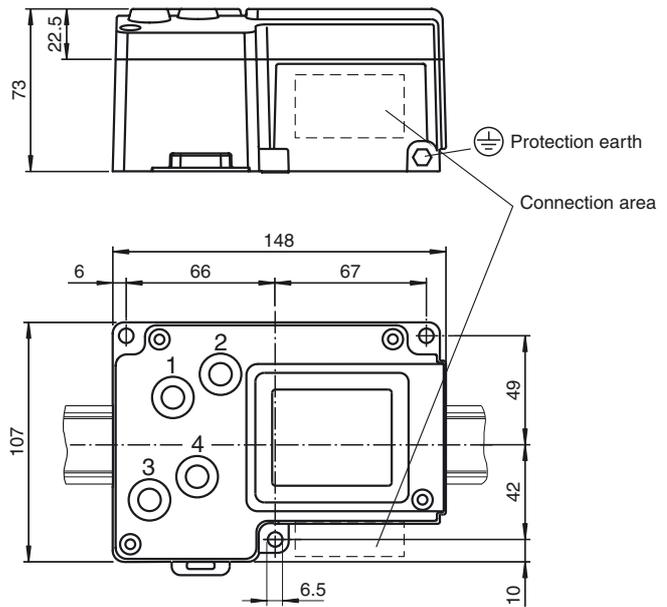## Dimensions

Model Number

IC-KP-B6-SUBD

Control interface unit IDENTControl
with PROFIBUS DP interface

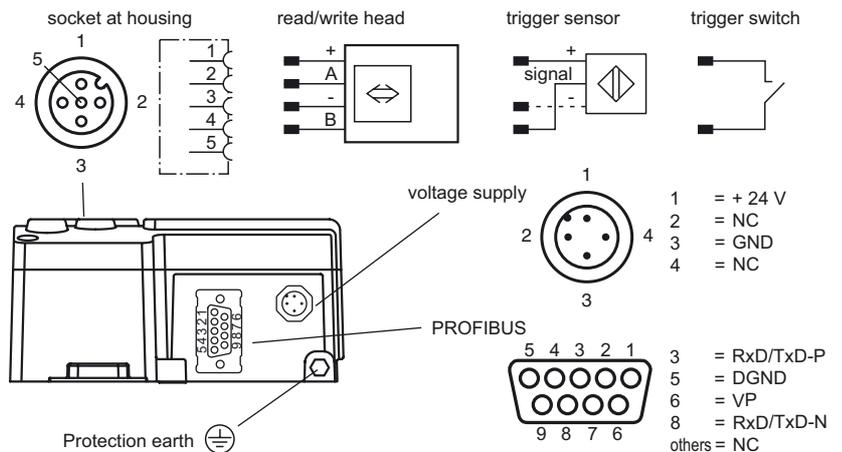## Features

- Max. 4 read/write heads connectable
- Alternative 2 read/write heads and 2 trigger sensors can be connected
- LC display with background lightning
- Direct operation via 4 keys
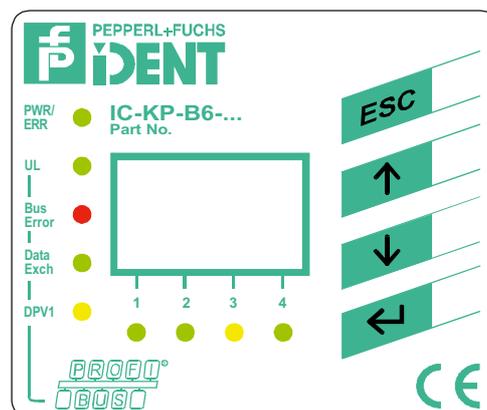- LED status indicator of bus communication and read/write heads

Electrical connection

socket at housing   read/write head   trigger sensor   trigger switch

voltage supply

PROFIBUS

1	= + 24 V
2	= NC
3	= GND
4	= NC

3	= RxD/TxD-P
5	= DGND
6	= VP
8	= RxD/TxD-N
others	= NC

Protection earth

Indicating / Operating means

PEPPERL+FUCHS

PWR/ERR
UL
Bus Error
Data Exch
DPV1

IC-KP-B6-...
Part No.

ESC

1 2 3 4

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

Pepperl+Fuchs Group   USA: +1 330 486 0001   Germany: +49 621 776 4411   Singapore: +65 6779 9091   **PEPPERL+FUCHS**   **1**
www.pepperl-fuchs.com   fa-info@us.pepperl-fuchs.com   fa-info@de.pepperl-fuchs.com   fa-info@sg.pepperl-fuchs.com   *SENSING YOUR NEEDS*

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 1, 2, 3, 4	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: Hardware fault
LED UL	green: Interface Power ON/OK
LED Bus Error	red: Bus error
LED Data Exch	green: Slave is at state "Data Exchange"
LED DPV1	Yellow: not used
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 and addressing
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		≤ 2 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

Physical	RS-485
Protocol	PROFIBUS DP acc. to EN 50170
Transfer rate	9.6; 19.2; 93.75; 187.5; 500; 1500 kBit/s 3; 6; 12 Mbit/s self-synchronizing

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 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 PROFI-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 **IDENT**Control can be adjusted to your needs in a flexible and easy manner.

4 function keys and a double-spaced illuminated LC display facilitate easy system configuration, parameter assignment and entering commands. Further 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

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

V1-G-5M-PUR
Female cordset, M12, 4-pin, PUR cable

VAZ-PB-DB9-W
PROFIBUS Sub-D Connector with switchable terminal resistance

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

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www.pepperl-fuchs.com   fa-info@us.pepperl-fuchs.com   fa-info@de.pepperl-fuchs.com   fa-info@sg.pepperl-fuchs.com

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