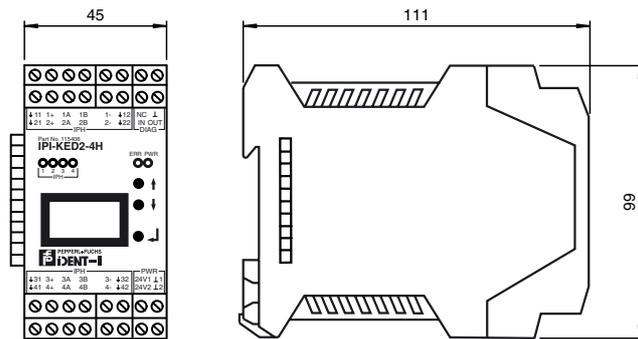




Dimensions



Model number

IPI-KED2-4H

Control interface unit for the connection of up to 4 read/write heads

Features

- 4 read/write heads connectable
- 4 LEDs as function display for read/write heads
- LC display with background lighting
- Menu driven operation via 3 multi function keys
- RS 232 diagnosis interface

Function

The control interface unit IPI-KED2-4H is connected via a lateral connector to an interface converter. The interface converter is absolutely essential for a correct function. The control interface unit receives via the converter e. g. the commands for reading or writing data carriers across a higher-order control unit, via the multifunction keys even a direct operation is possible.

Up to 4 read/write heads can be connected to the control interface unit. The read/write heads can be queried either individually or through cyclic switching.

The control interface unit can be configured and programmed with 3 multi function keys via a double spaced LC display or simple read/write commands can be activated.

The control interface unit supports two modes of operation "Single mode" (once-through executive command) and "Enhanced mode" (continuous executive command).

Software

Communication with the identification system is very easy with the demo program IDENT 2005. It shows the system options and simplifies commissioning.

Technical data

General specifications

Number of read/Write heads	max. 4
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Indicators/operating means

LED green/yellow	read/write head (4 pieces, 1 for each head) green: command an read/write head active yellow: approx. 1 second long, if command was successfully executed
LED ERR	red: hardware or bus fault
LED PWR	green: Power on
LC display	two-line multi-function display with 12 characters per line display of status, operating information and display of connected read/write heads as additional pictograms
Button	3 keys: menu up, menu down, return for configuration of the control interface and the read/write heads and activation of read commands

Electrical specifications

Rated operational voltage	U_e	20 ... 30 V DC PELV (protection class 3 in acc. with VDE 0106/IEC 364-4-41)
Ripple		$\leq 10\%$ at 30 V DC
Current consumption		at $U_B = 24$ V DC: < 300 mA with 1 read/write head < 750 mA with 4 active read/write heads
Power consumption	P_0	8 W
Electrical isolation		basic insulation acc. to DIN EN 50178, rated insulation voltage of AC 50 V

Interface

Connection of	Interface converter (serial, PROFIBUS DP, Ethernet, ...)
Physical	integrated plug connector

Interface 1

Connection of	Diagnostic interface, serial
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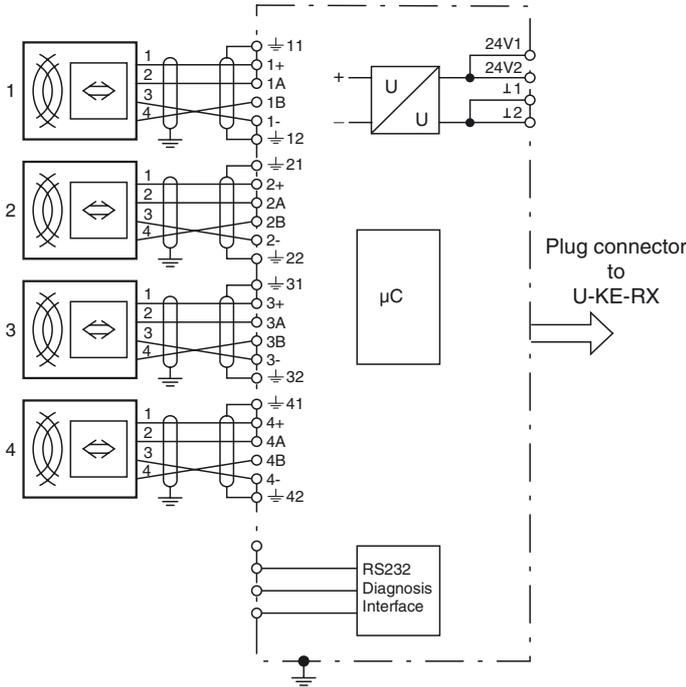
Ambient conditions

Ambient temperature	-25 ... 55 °C (248 ... 328 K)
Storage temperature	-25 ... 80 °C (248 ... 353 K)
Climatic conditions	air humidity max. 75 %
Shock and impact resistance	EN 60068

Mechanical specifications

Protection degree	IP20 to EN 60529 in combination with interface converter
Connection	removable terminals, max. conductor cross section 2 x 2.5 mm ² Functional ground via integrated hat-rail contact
Material	
Housing	Polyamide PA 6.6
Installation	DIN rail mounting
Construction type	KE system, 45 mm width

Electrical connection



Matching system components

U-KE-RX
Interface converter

U-KE-B6
Interface converter

U-KE-B12
Interface converter

IPH-18GM-V1
Read/write head

IPH-30GM-V1
Read/write head

Accessories

V1-G-IVH-5M-PUR-ABG
Cable connector, screened

V1-G-IVH-15M-PUR-ABG
Cable connector, screened

Indicating/operating means

