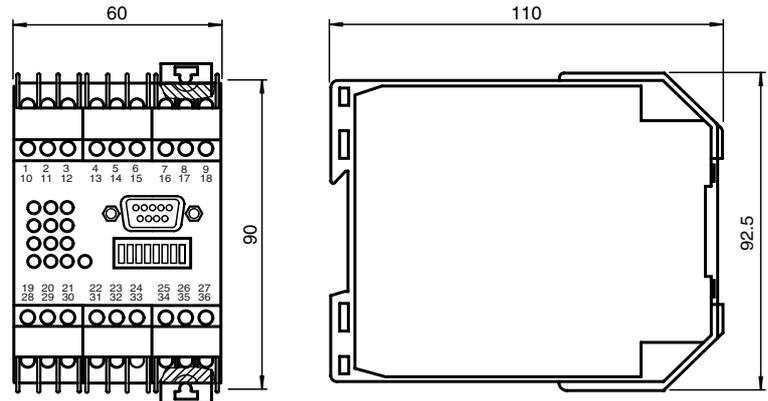




## Dimensions



## Model number

IVI-KHA6-4HRX

Control interface unit with serial interface

## Features

- With serial interfaces RS 232, RS 422 or RS 485 as well as TTY selectable
- 4 read/write heads connectable
- 3 LEDs as function indicators for each read/write head
- Operating modes fixcode, read/write, protocol 3964R selectable with or without interpreter RK512

## Technical data

## General specifications

|                            |        |
|----------------------------|--------|
| Number of read/Write heads | max. 4 |
|----------------------------|--------|

## Indicators/operating means

|             |   |
|-------------|---|
| LED green   | read/write head active (4 LEDs, 1 per head)       |
| LED yellow  | Code / data carrier detected (4 LEDs, 1 per head) |
| LED red     | reserved (4 LEDs, 1 per head)                     |
| LED green 5 | Power on  |
| DIP-switch  | setting the operating mode and interface          |

## Electrical specifications

|                           |       |  |
|---------------------------|-------|--|
| Rated operational voltage | $U_e$ | 90 ... 253 V AC , 50 < > & nbsp; 60 < > Hz |
| Current consumption       |       | 40 mA                                      |
| Power consumption         | $P_0$ | 8 W  |

## Interface

|               |  |
|---------------|--|
| Physical      | RS 232, RS 422, RS 485, TTY (20 mA current loop) selection of interface type (can be selected via S7 and S8) |
| Protocol      | ASCII, 3964R with interpreter, 3964R without interpreter   |
| Transfer rate | 300; 600; 1200; 2400; 4800; 9600; 19200 Bit/s  |

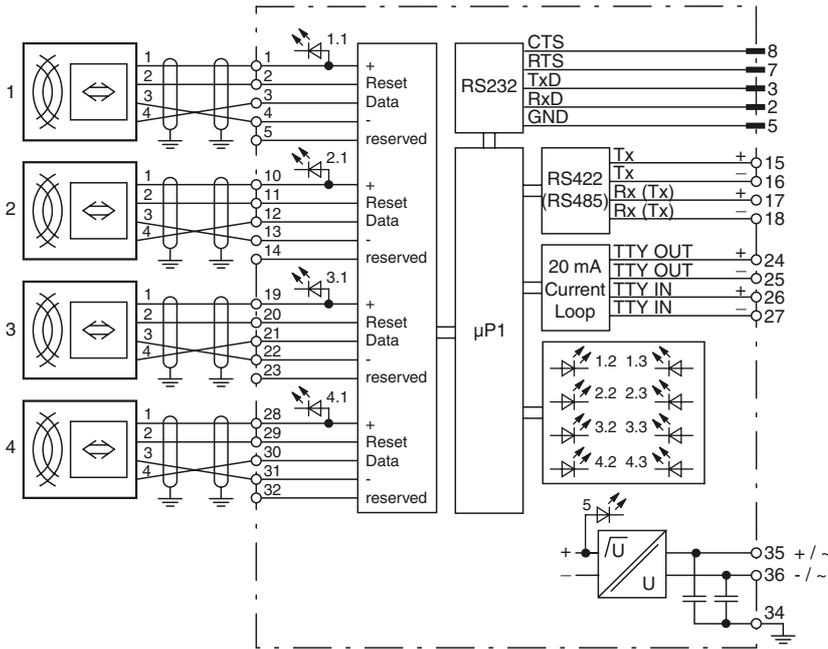
## Ambient conditions

|                     |                               |
|---------------------|-------------------------------|
| Ambient temperature | -25 ... 70 °C (248 ... 343 K) |
| Storage temperature | -25 ... 85 °C (248 ... 358 K) |
| Climatic conditions | air humidity max. 75 %        |

## Mechanical specifications

|                   |   |
|-------------------|---|
| Protection degree | IP20 according to EN 60529  |
| Connection        | self-opening connection terminals, max. core cross-section 2 x 2.5 mm <sup>2</sup> , 9-pin Sub-D built-in connector |
| Material          |   |
| Housing           | Makrolon 6485   |
| Construction type | K-system, 60 mm (3 TE)  |

Electrical connection



Function

The control interface unit is connected via the serial interface to a higher-order control system.

The control interface unit receives the commands to read and/or write the code or data carriers via this interface.

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.

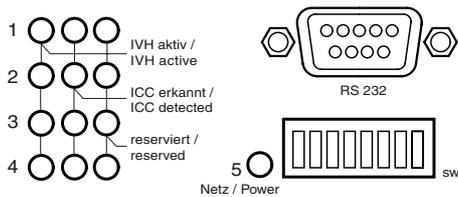
Using the DIP switches, it is possible to select between various operating modes on the control interface unit: fixcode, read/write, protocol 3964R with interpreter RK512 or protocol 3964R without interpreter RK512.

For the operating modes "fixcode" and "read/write" the serial communication occurs via ASCII characters. All commands consist of multiple ASCII characters. In the operating mode "fixcode", the control interface unit functions as a reader system and is compatible with an IRI-KHD2-4.RX or IRI-KHA6-4.RX control interface unit. In the "read/write" operating mode, the read/write commands are available which, in addition to reading code carriers, make it possible to access the memory on the data carriers.

The control interface unit supports the computer coupling procedure 3964R, which was developed for programmable logic controllers; the commands are inserted into the telegram frame of the procedure.

In addition, the RK512 interpreter can be used in combination with FETCH and SEND telegrams.

Indicating/operating means



Software

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

The demo program is included in the scope of delivery.

Accessories

**IDENT2005**  
Software