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## **Model Number**

#### KHD2-IVI-AB1

Bus coupler for Allen Bradley Remote I/O

## **Features**

- 100 % compatible to Allen-Bradley Remote I/O
- Eight simple commands
- Configurable as 1/4, 1/2, or 1/1 rack
- Adaptable to the available memory capacity or to the desired functionality
- Communication via block transfer or "Discrete I/O"

## **Function**

With this bus coupler, the identification system can be directly coupled to the Allen-Bradley Remote I/O field bus. The device functions as a bus subscriber which behaves as a remote-rack from Allen-Bradley. As a result, communication components in the control system are no longer needed and the amount of cabling required is reduced.

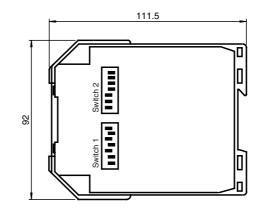
The serial interface of the device is connected to the IVI-KHD2-4HRX control interface unit of the identification system and the bus connection is connected to the field bus

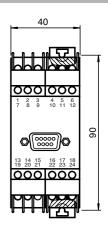
Eight commands are available for simple operation through the control system. The device can be configured as a 1/4-, 1/2- or 1/1-rack and can be adapted to the available memory size or the desired scope of functionality.

Communication takes place via block transfer or "Discrete I/O" (1/2- and 1/1-rack only).

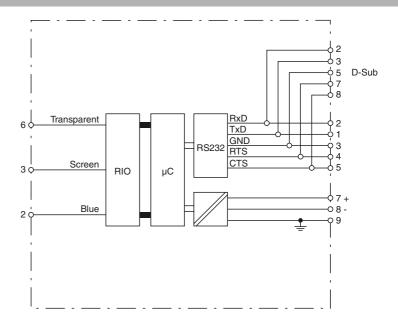
The necessary settings are made using DIP switches.

## **Dimensions**





## **Electrical connection**



# Technical data

# General specifications

Installation Series

# Indicators/operating means

DIP-switch setting the configuration

## **Electrical specifications**

#### Interface 1

Connection of identification system

Physical RS 232

Protocol ASCII

Transfer rate 19200 Bit/s

Cable length 15 m

# Interface 2

Physical Allen Bradley RIO
Protocol Allen Bradley RIO "Block Transfer" or "discrete I/O"

Transfer rate  $\geq 1.2; \leq 38.4 \text{ kBit/s}$ default setting: 9.6 kBit/s

Construction type

3000 m at 57.6 kBit/s 1000 m at 115.2 kBit/s at 230.4 kBit/s on request Cable length **Ambient conditions** 0 ... 60 °C (32 ... 140 °F) Ambient temperature -25 ... 85 °C (-13 ... 185 °F) Storage temperature Climatic conditions air humidity max. 75 % **Mechanical specifications** Protection degree IP20 according to EN 60529 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

K-system, 40 mm (2 TE)

# **Matching system components**

**IVI-KHD2-4HRX** Control interface unit

**IVI-KHA6-4HRX** Control interface unit

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