



Model Number

KHD2-MVI-AB2

Bus coupler for Allen Bradley Remote I/O

Features

- 100 % compatible to Allen-Bradley Remote I/O
- Nine simple commands
- Configurable as 1/4 rack
- Communication via block transfer

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 MVI-D2-2HRX control interface unit of the identification system and the bus connection is connected to the field bus.

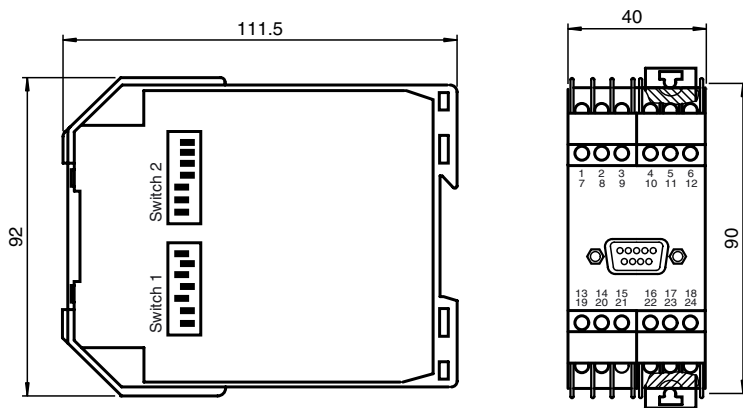
Nine commands are available for simple operation through the control system. The device is configured as a 1/4 rack. Communication occurs via block transfer. The necessary settings are made using DIP switches.

Matching system components

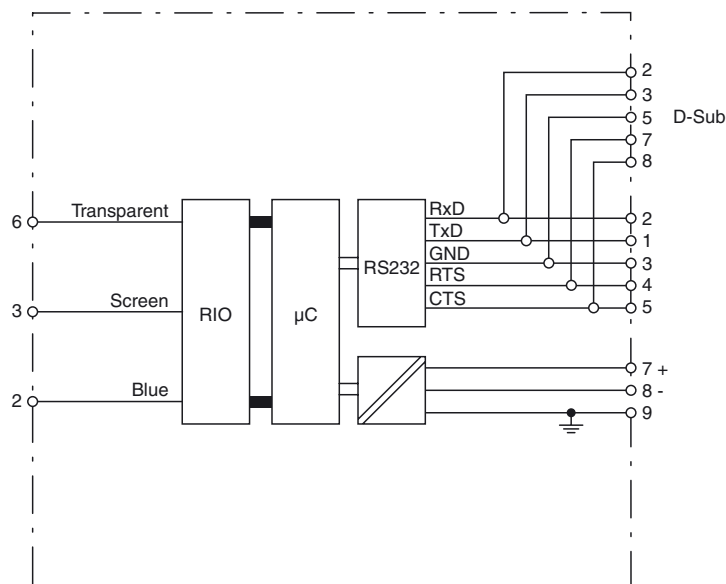
MVI-D2-2HRX

Control interface unit with serial interface

Dimensions



Electrical connection



Technical data

Indicators/operating means

DIP-switch	setting the configuration
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Electrical specifications

Rated operational voltage	U_e	21 ... 27 V DC
Power consumption	P_0	max. 5 W

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"
Transfer rate	57.6; 115.2; 230.4 kBit/s
Cable length	3000 m at 57.6 kBit/s 1000 m at 115.2 kBit/s at 230.4 kBit/s on request

Ambient conditions

Ambient temperature	0 ... 60 °C (32 ... 140 °F)
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Subject to modifications without notice

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Storage temperature	-25 ... 85 °C (-13 ... 185 °F)
Climatic conditions	air humidity max. 90 %

Mechanical specifications

Protection degree	IP20 according to EN 60529
Connection	terminals, max. core cross-section 2 x 2.5 mm ² , 9-pin Sub-D built-in connector
Material	
Housing	Makrolon 6485
Construction type	K-system, 40 mm (2 TE)

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