







## **Model number**

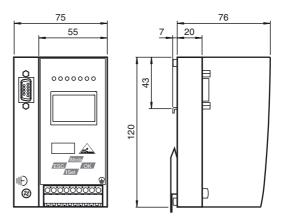
## VBM-CTR-K20-R2

AS-Interface master RS 232 cabinet module

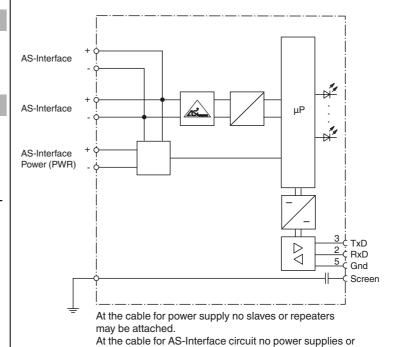
## **Features**

- Stand alone master with PLC functionality and RS 232 interface
- Large, graphic LCD
- RS 232 diagnosis interface
- Easy commissioning and fault diagnosis via LEDs and graphic display
- Earth fault detection
- AS-Interface noise detection

## **Dimensions**

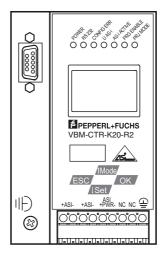


## **Electrical connection**



further masters may be attached.

## **Indicating / Operating means**



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# Protection degree

460 g Mass

Construction type Low profile housing, Stainless steel

## Compliance with standards and directi-

ves

Standard conformity

Storage temperature

Mechanical specifications

Electromagnetic compatibility EN 61326 AS-Interface FN 50295 Protection degree EN 60529

#### **Notes**

In an AS-Interface network only one device can be operated earth fault detection. If there are many devices in an AS-Interface network, this can lead to the earth fault monitoring response threshold becoming less sensitive.

-15 ... 75 °C (5 ... 167 °F)

## **Function**

The VBM-CTR-K20-R2 is a stand-alone master in AS-Interface specification 3.0 with IP20. The construction type is especially suited for use in a switch cabinet.

Address allocation, acceptance of the target configuration and setting the baud rate can be managed via buttons. There are 7 LEDs on the front panel, showing the current status of the AS-Interface line.

In the AS-Interface master with graphical display the commissioning of the AS-Interface circuit and the test of the connected periphery devices can be separated completely overriding bus systems and from programming. The on-site operation via the graphic display and the four push buttons make it possible to show all of the functions on the display. which, for all other AS-Interface masters, are covered by the software AS-Interface control

#### **PLC Functionality**

For PLC functionality the VBM-CTR-K20-R2 provides 16 kB program memory, 8 kB data memory, 1024 counters and 1024 timers. This is sufficient capacity to process all data arriving at the AS-Interface. The master can, therefore, also be operated as "stand-alone". The programm processing for 1000 word commands is approx. 2 ms. The programming language is based on STEP5. In the extended mode the AS-Interface CTRL functions (upload, download, start, stop, read and write marker) can be utilized.

## Software

The AS-i Control Tools software is supplied as restricted version together with the documentation. The software performs addressing, programming and monitoring of the AS-Interface network. In addition, it contains an editor that creates programs for the integrated PLC functionality. The full version of the AS-i Control Tool is available as an accessory and features an expanded diagnostics monitor as well as a larger program memory for AS-Interface Control which makes it possible to detect faulty telegrams of slaves

## **Accessories**

## VAZ-SW-ACT32

Full version of the AS-I Control Tools including connection cable

USB-0,8M-PVC ABG-SUBD9 Interface converter USB/RS 232

# **Matching system components**

## VBG-RIO-KHD2-R2

Bus Coupler for Allen Bradley Remote I/O

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