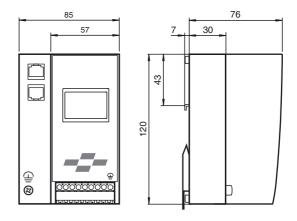








## **Dimensions**



## Model number

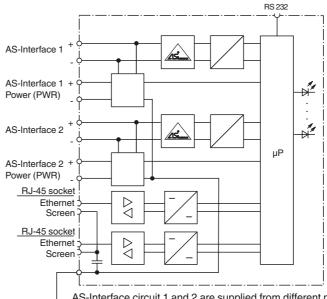
#### **VBG-ENX-K20-DMD**

EtherNet/IP + Modbus TCP Gateway, double master for 2 AS-Interface networks

### **Features**

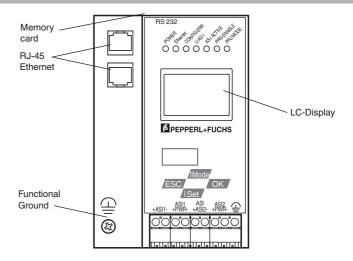
- Gateway compliant with AS-Interface specification 3.0
- Connection to Ethernet Modbus TCP/IP
- 2 AS-Interface networks
- · Dublicate addressing detection
- Integrated webserver
- Earth fault detection
- AS-Interface noise detection
- Ethernet diagnostic interface
- Integrated switch allows line topology
- DLR technology supports ring topology

## **Electrical connection**



AS-Interface circuit 1 and 2 are supplied from different power supplies. At the cable for power supply no slaves or repeaters may be attached. At the cable for AS-Interface circuit no power supplies or further masters may be attached.

## **Indicating / Operating means**



## **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.

### **Function**

The VBG-ENX-K20-DMD is an Ethernet/IP + Modbus TCP gateway with 2 AS-Interface masters in accordance with AS-Interface specification 3.0. This means that data can be transferred from 2 parallel AS-Interface branches via one IP address.

The design of the K20 in stainless steel with IP20 is particularly suited for use in switching cabinets for snap on mounting on the 35 mm mounting rail.

The gateway in accordance with the AS-Interface specification V 3.0 is used to connect AS-Interface systems to a higher-level net. It acts as a master for the AS-Interface segment and as a slave for the higher-level net. During cyclic data exchange, the digital data of an AS-Interface segment is transferred. Analog values as well as the complete command set of the new AS-Interface specification are transferred using a command interface.

The address allocation and acceptance of the target configuration can be achieved via the keys. 7 LEDs fitted to the front panel indicate the actual state of the AS-Interface branch.

With the graphical display, the commissioning of the AS-Interface circuits and testing of the connected peripherals can take place completely separately from the commissioning of the higher-level network and the programming. With the 4 switches, all functions can be controlled and visualized on the display.

The device has a card slot for a memory card for the storage of configuration data.

An integrated Switch and 2 RJ-45 sockets allow the design of a line topology without the use of an external Switch.

The device level ring protocol DLR increases the reliability of a ring topology at the device level, thus optimizing the machine running times.

An integrated webserver allows to administrate the device and The AS-interface network without additional hard and/or software via a browser interface.

The redundant power supply guarantees that the double master remains in function and is diagnosticable, when a failure of a power supply unit in one of the two AS-interfaces circles occures. Also communication with the superior field bus is not disturbed by the failure of a power supply.

### **PLC Functionality**

Optionally the gateway is also available with PLC functionality. Therefor you can order a code key VAZ-CTR additionally.

## **Accessories**

#### VAZ-SW-ACT32

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

**PEPPERL+FUCHS** 

# USB-0,8M-PVC ABG-SUBD9

Interface converter USB/RS 232

2018-12-05 :issne: Date of

30 V<sub>DC</sub> with a 3 A maximum over current protection. Over cur-

rent protection is not required when a Class 2 source is emplo-

UL mark does not provide UL certification for any functional

safety rating or aspects of the device.