







Model number

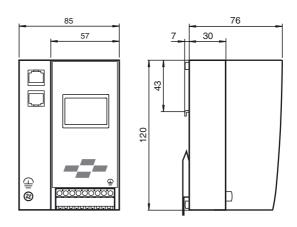
VBG-ENX-K20-D

EtherNet/IP + Modbus TCP Gateway

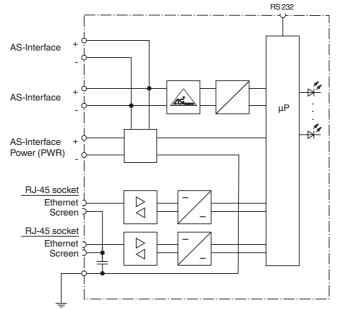
Features

- Gateway compliant with AS-Interface specification 3.0
- Connection to Ethernet Modbus TCP/IP
- 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

Dimensions



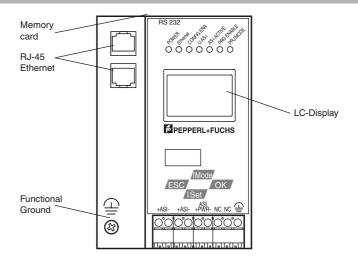
Electrical connection



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



	Directive conformity	
	EMC Directive 2004/108/EC	EN 61000-6-2:2005, EN 61000-6-4:2007
	Standard conformity	
	Electromagnetic compatibility	EN 61000-6-2:2005, EN 61000-6-4:2007
	AS-Interface	EN 50295:1999
	Degree of protection	EN 60529:2000
	Shock and impact resistance	EN 61131-2:2004
	Standards	EN 61000-6-2:2005, EN 61000-6-4:2007 EN 954-1:1996 (up to Kategorie 4), IEC 61508:2001 and EN 62061:2005 (up to SIL3) EN 13849:2008 (PL e)

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-D is an Ethernet/IP + Modbus TCP gateway in accordance with ASInterface specification 3.0.

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

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.

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

