









Model number

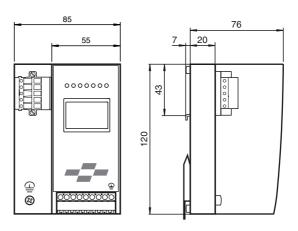
VBG-DN-K20-D

DeviceNet Gateway

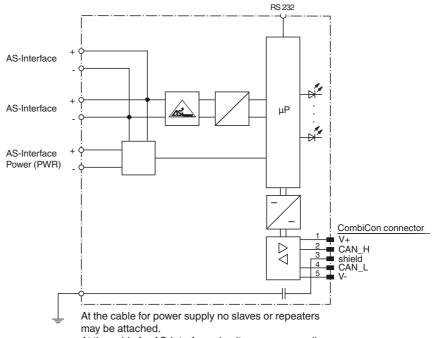
Features

- Gateway compliant with AS-Interface specification 3.0
- **Dublicate addressing detection**
- Earth fault detection
- AS-Interface noise detection
- Easy commissioning by graphic display
- Commissioning, locally on the gateway or via AS-i Control Tools software
- Fault diagnosis via LEDs and grafic
- AS-Interface monitor or extended AS-Interface diagnostic read via display
- Ethernet diagnostic interface

Dimensions

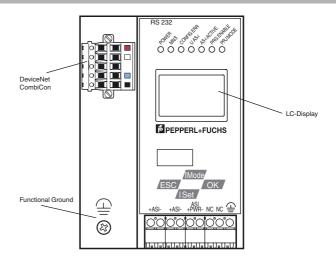


Electrical connection



At the cable for AS-Interface circuit no power supplies or further masters may be attached.

Indicating / Operating means



Notes

AS-Interface

Protection degree

Electromagnetic compatibility

Shock and impact resistance

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.

EN 50295 FN 60529

EN 61131-2

EN 61000-6-2:2005, EN 61000-6-4:2001, EN 50295:1999

Function

The VBG-DN-K20-D is a DeviceNet gateway compliant with AS-Interface specification 3.0. The variant in an IP20 stainless steel housing is particularly suitable for use in the switching cabinet for snapping onto 35mm mounting

The gateway is a 100% DeviceNet slave (group 2 slave) and, as a listed product, directly addressable through the DeviceNet device manager. Communication between the AS-Interface and DeviceNet is implemented by the gateway with no additional programming effort.

For the AS-Interface gateway with graphic display, the commissioning of the AS-Interface circuit as well as the test of the connected periphery can be completely separated from the commissioning of the DeviceNet as well as the programming. On-site operation using the graphical display and the four buttons make it possible to perform all functions on the display. Address assignment and transfer of the expected configuration can be done with the buttons. There are 7 LEDs on the front panel, showing the current status of the AS-i line. An additional RS 232 socket is available with the option to read out data directly from the gateway via gateway, network and function within the scope of an enhanced on-site diagnosis. Using the AS-i Control Tools package (not included), many functions can be remotely controlled via PC. The gateway draws its power from the AS-

interface cable. The connection of the AS-Interface gateway to the DeviceNet uses the 5pin CombiCon plug according to the Device-Net specification. There are self-opening device terminals available for all other connections.

PLC Functionality

Furthermore, the gateway can optionally be delivered 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