







Model number

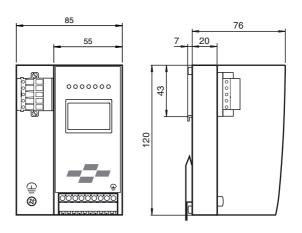
VBG-DN-K20-DMD

DeviceNet Gateway, double master for 2 AS-Interface networks

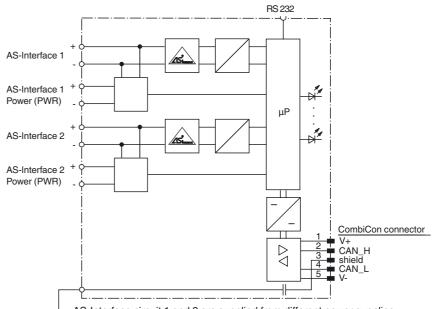
Features

- Gateway compliant with AS-Interface specification 3.0
- 2 AS-Interface networks
- · 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 display
- AS-Interface monitor or extended AS-Interface diagnostic read via display
- Ethernet diagnostic interface

Dimensions

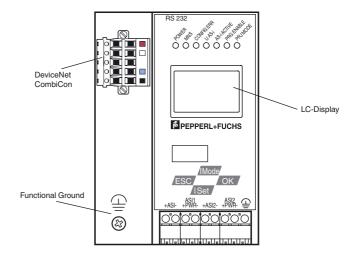


Electrical connection



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



	V3.0
	activateable
	from AS-Interface slaves
EFD	integrated
	integrated
	Extended function via display
	E223772 only from low voltage, limited energy source (SELV or PELV) or listed Class 2 source
	Illuminated graphical LC display for addressing and error messages
	AS-Interface operation normal; LED green
	configuration error; LED red
	autom. programming; LED green
	voltage ON; LED green
	projecting mode active; LED yellow
	AS-Interface voltage; LED green
	Module/net status; LED green/red
	Selection and setting of a slave address
	Mode selection traditional-graphical/confirmation
	Mode selection PRJ-operation/save configuration/cursor
	Mode selection traditional-graphical/cancel
U _i	≥ 500 V
U_e	from AS-Interface
l _e	≤ 200 mA from AS-Interface circuit 1 ≤ 70 mA from AS-Interface circuit 2
	DeviceNet
	RS 232, serial Diagnostic Interface
	19,2 kBit/s
	spring terminals, removable
	5-pin CombiCon connector according to DeviceNet specificatio
	EN 62026-2:2013
	EN 61000-6-2:2005, EN 61000-6-4:2001, EN 50295:1999
	EN 60529:2000
	EN 62026-2:2013
	214 02020 2.2010
	0 55 °C (32 131 °F)
	-25 85 °C (-13 185 °F)
	-20 00 O (-10 100 F)
	IDOO
	IP20
	520 g
	Low profile housing , Stainless steel
	U _i U _e

Notes

Approvals and certificates

EAC conformity

UL approval

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.

TR CU 020/2011

ved.

Function

The VBG-DN-K20-DMD is a DeviceNet gateway with two AS-Interface masters 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 ASinterface 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

USB-0,8M-PVC ABG-SUBD9

Interface converter USB/RS 232



An isolated source with a secondary open circuit voltage of ≤

30 V_{DC} with a 3 A maximum over current protection. Over current 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.