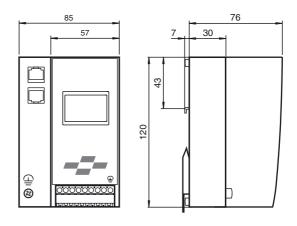








## **Dimensions**



## Model number

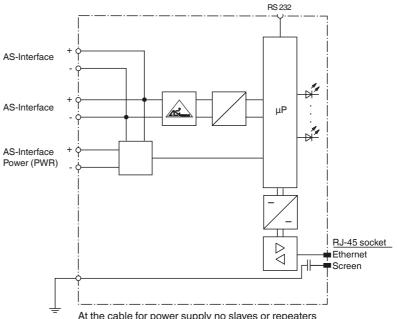
#### VBG-PN-K20-D

PROFINET Gateway with integrated switch

#### **Features**

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

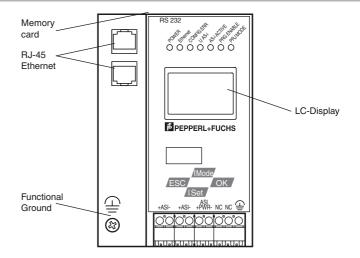
## **Electrical connection**



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**



#### Approvals and certificates **EAC** conformity

Storage temperature

Construction type

**Mechanical specifications** Degree of protection

**UL** approval

An isolated source with a secondary open circuit voltage of  $\leq$ 30 V<sub>DC</sub> 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.

#### **Notes**

Mass

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.

-25 ... 85 °C (-13 ... 185 °F)

Low profile housing, Stainless steel

IP20

500 g

#### **Function**

The VBG-PN-K20-D is a PROFINET Gateway in accordance with AS-Interface Specification 3.0, to IP20, and is used for the connection of AS-Interface systems to the higher level PROFINET controller. Its construction is particularly suitable for use in the control cabinet. The master is supplied from the AS-Interface cable.

On the AS-Interface gateway with graphics display, the commissioning of the AS-Interface circuit and also the test of the connected peripherals can be completely separated from the commissioning of the PROFINET and the programming. All the options available on the AS-Interface can be addressed via Ethernet. Local operation using the graphics displays and the 4 buttons enable all the functions to be represented on the display, which are covered by the other AS-Interface masters via the AS-i Control Tools software. An additional RS 232 socket provides the option of reading out data via gateway, network and function, direct from the gateway in the context of an extended local diagnosis. 7 LEDs, which are mounted on the front, indicate the current status of the AS-Interface network.

Every PROFINET gateway is supplied with a unique MAC-ID and supports the assignment of an IP address statically (via keypad) and dynamically (DHCP, Dynamic Host Configuration Protocol).

#### **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