# AS-Interface gateway

# Dimensions





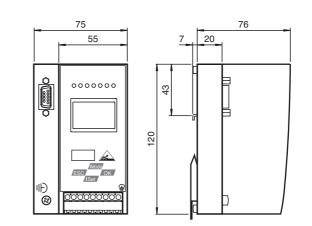
## Model number

VBG-MOD-K20-D

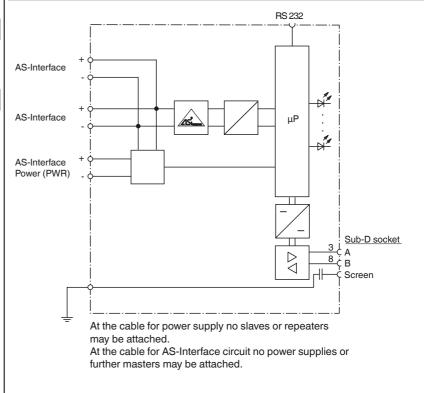
MODBUS RTU gateway

## Features

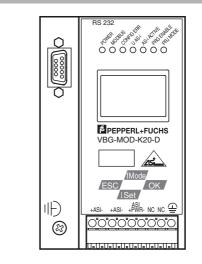
- Connection to MODBUS RTU ٠
- Easy commissioning and fault diagno-• sis via LEDs and graphic display
- Dublicate addressing detection .
- Earth fault detection .
- AS-Interface noise detection
- RS 232 diagnosis interface •



# **Electrical connection**



# Indicating / Operating means



Refer to "General Notes Relating to Pepperl+Fuchs Product Information" Pepperl+Fuchs Group

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# **AS-Interface** gateway

# VBG-MOD-K20-D

# **Technical data**

uala		
ifications		
specification		V3.0
nality		activateable
dress detection		from AS-Interface slaves
etection	EFD	integrated
ring		integrated
unction		Extended function via display
ber		E223772
fety related parame	eters	
		90 a at 30 °C
erating means		
		Illuminated graphical LC display for a sages
TIVE		AS-Interface operation normal; LED
B ERR		configuration error; LED red
IABLE		autom. programming; LED green
}		voltage ON; LED green
DDE		projecting mode active; LED yellow
-		AS-Interface voltage; LED green
JS		MODBUS interface in operation, LEI
		Selection and setting of a slave addr
_		Mode selection traditional-graphical
E		Mode selection PRJ-operation/save
		Mode selection traditional-graphical/
		. 500.1/
-		$\geq$ 500 V
		from AS-Interface
ing current	le	≤ 180 mA from AS-Interface
		RS-485
3		MODBUS RTU (Remote Terminal Ur
		RS 232, serial
5		Diagnostic Interface
		19,2 kBit/s
		spring terminals, removable RS 485 interface
·		RS 485 Interface
-		EN 00500-0000
		EN 60529:2000
•		0 55 °C (32 131 °F)
		-15 75 °C (5 167 °F)
•		IDOO
DIECTION		IP20
tupo		420 g
туре		Low profile housing , Stainless steel
	fications specification nality dress detection etection ing iunction oer fety related parame erating means	ifications specification specification specification specification ing ing ing ing ing ing ing ing ing in

splay display for addressing and error mesnormal; LED green red ED green LED vellow D green peration, LED green a slave address al-graphical/confirmation eration/save configuration/cursor al-graphical/cancel face e Terminal Unit) able

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-MOD-K20-D is a MODBUS RTU gateway in accordance with AS-Interface-Specification 3.0 in IP20. The design makes it particularly suitable for use in control cabinets

The AS-Interface data can be used in many varied ways and for a variety of purposes. All the important data are available in both binary form as well as packed and unpacked via a register. So that the AS-Interface gateways can be operated with the MODBUS slave interface by the most varied of MODBUS masters, without having to resort to expensive adaptions. The gateway is supplied from the AS-Interface cable.

The assignment of addresses and the acceptance of the set configuration is possible by means of push button keys. 7 LEDs, arranged on the front of the device, indicate the current status of the AS-Interface network.

On the AS-Interface Gateway, with graphic display, the commissioning of the AS-Interface circuit and the testing of the connected peripherals can be completely separated from the commissioning of the MODBUS and the programming. On-site operation using the graphics display and the 4 buttons enable all the functions to be depicted on the display that 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 directly from the gateway, on gateway, network and function in the context of an extended on-site diagnosis.

#### PLC Functionality

Optionally, the gateway can be supplied 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

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