CE ASi **62** *Spec 2.1*
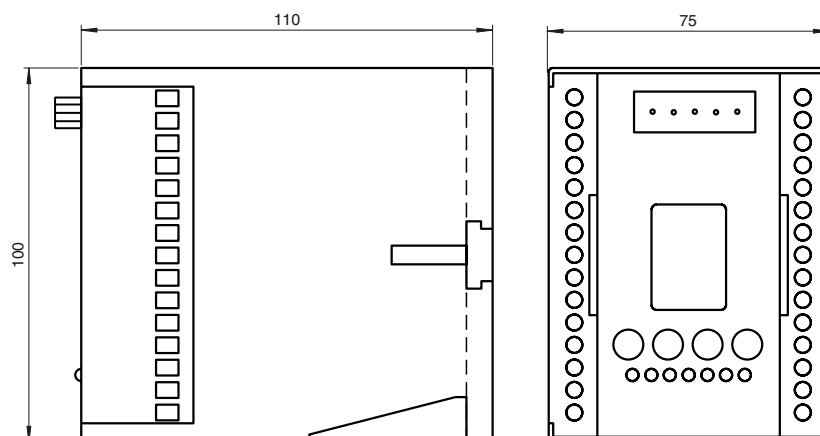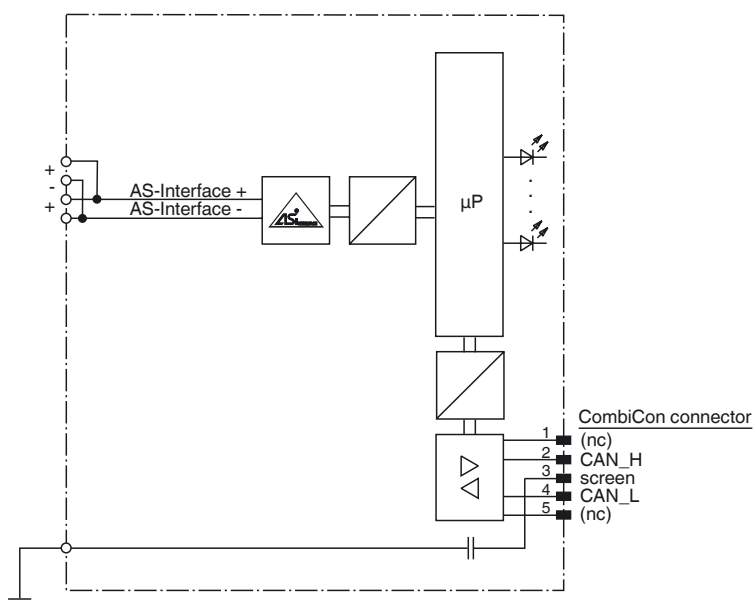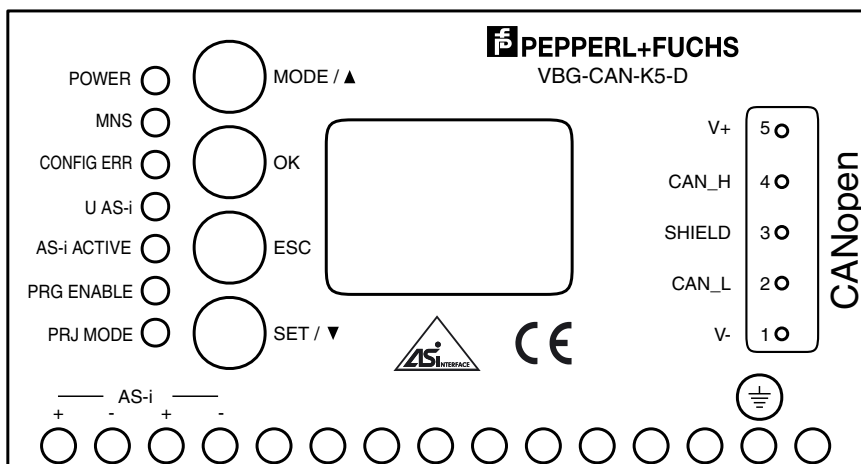
Model number

VBG-CAN-K5-D

CANopen Gateway

Features

- Gateway according to AS-Interface specification 2.1 for up to 62 units
- Protocol standard: CANopen
- Voltage supply from AS-Interface
- Programmable slave addresses
- Display of detected slaves
- Fault diagnosis via LEDs and grafic display
- Easy commissioning by graphic display
- AS-Interface monitor or extended AS-Interface diagnostic read via display

Dimensions

110   75   100

Electrical connection

AS-Interface +
AS-Interface -
µP

CombiCon connector
1 (nc)
2 CAN_H
3 screen
4 CAN_L
5 (nc)

Indicating / Operating means

POWER
MNS
CONFIG ERR
U AS-i
AS-i ACTIVE
PRG ENABLE
PRJ MODE

MODE / ▲
OK
ESC
SET / ▼

PEPPERL+FUCHS
VBG-CAN-K5-D

V+ 5
CAN_H 4
SHIELD 3
CAN_L 2
V- 1

CANopen

AS-i
+ - + -

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

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Technical data

General specifications

AS-Interface specification	V2.11
PLC-Functionality	none
Diagnostics function	Extended function via display

Indicators/operating means

Display	Graphical LC display for addressing and error messages
LED AS-i ACTIVE	AS-Interface operation normal; LED green
LED CONFIG ERR	configuration error; LED red
LED PRG ENABLE	autom. programming; LED green
LED POWER	voltage ON; LED green
LED PRJ MODE	projecting mode active; LED yellow
LED U AS-i	AS-Interface voltage; LED green
LED MNS	Module/net status; LED green/red
Switch SET	Selection and setting of a slave address
OK button	Mode selection traditional-graphical/confirmation
Button MODE	Mode selection PRJ-operation/save configuration/cursor
ESC button	Mode selection traditional-graphical/cancel

Electrical specifications

Insulation voltage	U_i	≥ 500 V
Rated operating voltage	U_e	from AS-Interface
Rated operating current	I_e	≤ 200 mA

Interface

Protocol	CANopen

Connection

AS-Interface	screw terminals
DeviceNet	5-pin CombiCon connector according to DeviceNet specification

Directive conformity

Electromagnetic compatibility	
Directive 2014/30/EU	EN 62026-2:2013

Standard conformity

Degree of protection	EN 60529:2000
AS-Interface	EN 62026-2:2013

Ambient conditions

Ambient temperature	0 ... 55 °C (32 ... 131 °F)
Storage temperature	-15 ... 70 °C (5 ... 158 °F)

Mechanical specifications

Degree of protection	IP40 (housing), IP20 (terminals)
Mass	420 g
Construction type	Low profile housing , plastic

Function

The VBG-CAN-K5-D is a gateway to a CANopen network. The gateway acts as a 128 bit digital I/O module. All mandatory functions, as well as interrupts and 8 bit groups etc. are implemented. An emergency message can be activated in the case of an AS-Interface configuration error.

The AS-Interface master is connected to CANopen with a 5-pin CombiCon connector in accordance with the DeviceNet specifications. Self-opening device terminals for leads are available for all other connections.

The push buttons are used for address assignment of the AS-Interface slaves and acceptance of the desired configuration. There are 7 LEDs on the front panel, showing the current status of the AS-Interface line.

In the case of the AS-Interface Gateway with graphical display, the AS-Interface circuit can be placed in service and the test of the connected periphery can be kept entirely separate from the commissioning of the DeviceNet. On-site operation with the aid of the graphical display and 4 push buttons makes it possible to show all functions on the display that are covered by the AS-i Control Tools software for other AS-Interface masters.

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