

# AS-Interface gateway

## VBG-CAN-K5-D

- 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 graphic display
- Easy commissioning by graphic display
- AS-Interface monitor or extended AS-Interface diagnostic read via display

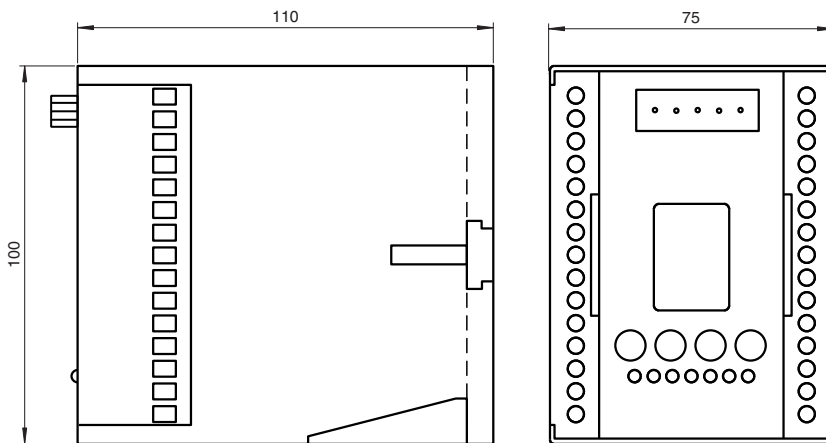
### CANopen Gateway



### 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.

### Dimensions



### 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

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

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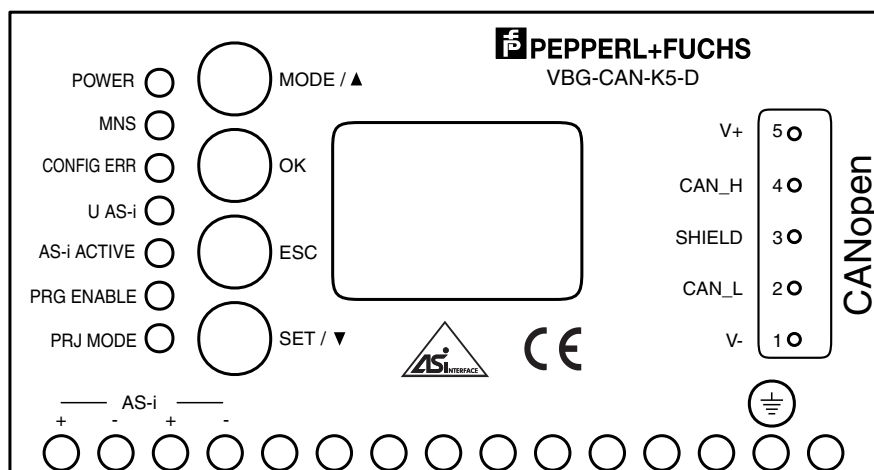
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## Technical Data

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
<b>Electrical specifications</b>		
Insulation voltage	$U_i$	$\geq 500$ V
Rated operating voltage	$U_e$	from AS-Interface
Rated operating current	$I_e$	$\leq 200$ mA
<b>Interface</b>		
Protocol		CANopen
<b>Connection</b>		
AS-Interface		screw terminals
DeviceNet		5-pin CombiCon connector according to DeviceNet specification
<b>Directive conformity</b>		
Electromagnetic compatibility		
Directive 2014/30/EU		EN 62026-2:2013
<b>Standard conformity</b>		
Degree of protection		EN 60529:2000
AS-Interface		EN 62026-2:2013
<b>Ambient conditions</b>		
Ambient temperature		0 ... 55 °C (32 ... 131 °F)
Storage temperature		-15 ... 70 °C (5 ... 158 °F)
<b>Mechanical specifications</b>		
Degree of protection		IP40 (housing), IP20 (terminals)
Mass		420 g
Construction type		Low profile housing , plastic

## Assembly



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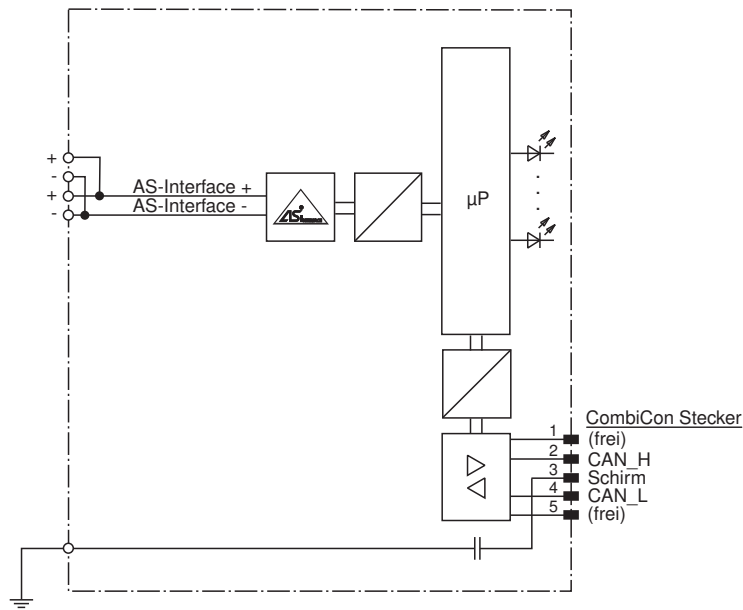
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Connection



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## Programming

No additional software is required.

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