



Model number

VAG-DN-K5

DeviceNet Gateway

Features

- AS-Interface certificate
- Two-digit LC display
- Power supply from DeviceNet and AS-Interface
- Programmable slave addresses
- Display of detected slaves
- Fault diagnosis

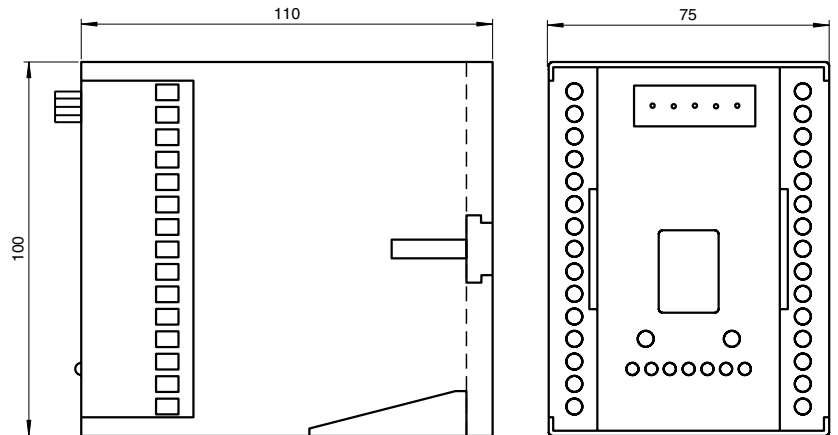
Function

The VAG-DN-K5 is a gateway to DeviceNet and was developed by Pepperl+Fuchs. The gateway is a 100 % DeviceNet slave (group 2 slave) and can be configured using DeviceNet Manager. Owing to the cooperation with Allen-Bradley, the gateway was completely integrated with the DeviceNet software, and can be easily connected to an existing DeviceNet network.

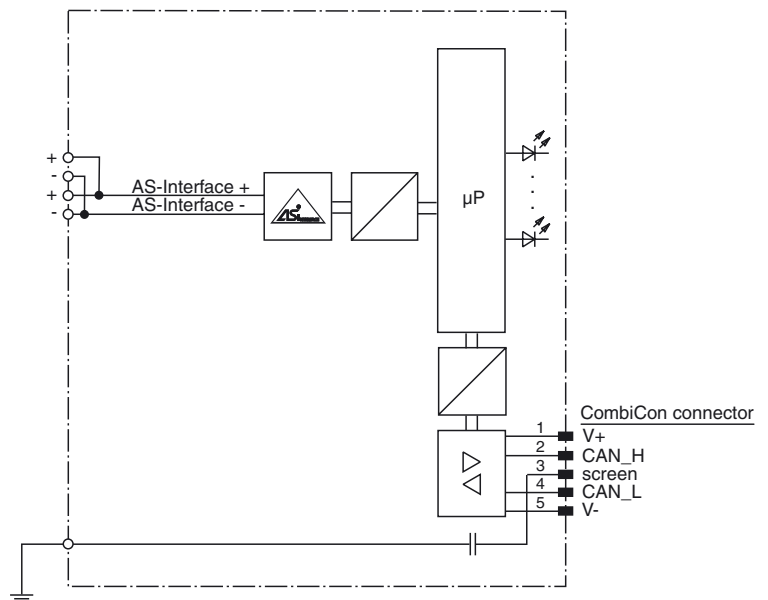
The gateway enables communication between the AS-Interface and the DeviceNet, without additional programming. The AS-Interface master is connected to DeviceNet with a 5-pin CombiCon connector in accordance with the DeviceNet specifications. Self-opening device terminals for leads are available for all other connections.

Two push buttons are used for address assignment of the AS-Interface slaves and acceptance of the desired configuration. In configuration mode, all detected AS-Interface slaves are displayed on the 2-digit LCD. In normal operation, the LCD is blank unless the master detects a faulty AS-Interface slave. There are 7 LEDs on the front panel, showing the current status of the AS-Interface line.

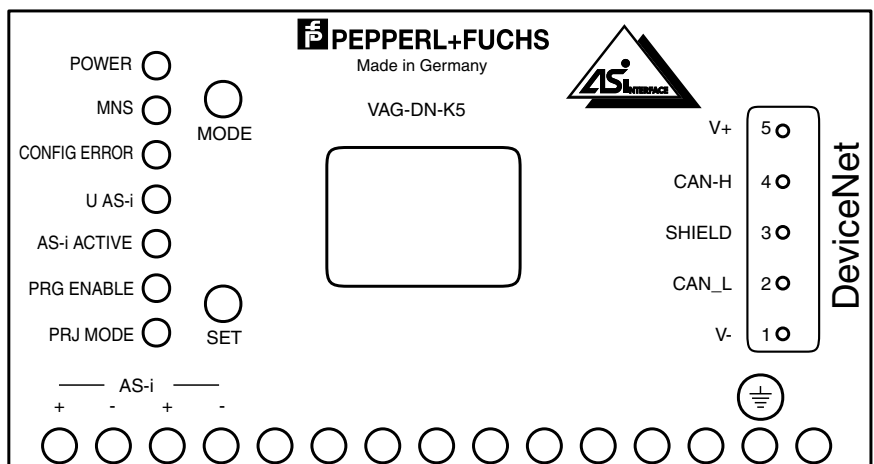
Dimensions



Electrical connection



Indicating / Operating means



Release date: 2010-06-14 15:38 Date of issue: 2010-06-14 047597_ENG.xml

Subject to modifications without notice

Pepperl+Fuchs Group
www.pepperl-fuchs.com

USA: +1 330 486 0001
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776-4411
fa-info@pepperl-fuchs.com

Copyright Pepperl+Fuchs
Singapore: +65 6779 9091
fa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS
SENSING YOUR NEEDS

Technical data**General specifications**

AS-Interface specification	V2.0
PLC-Functionality	none
Diagnostics function	integrated

Indicators/operating means

Display	2-digit LC Display for address and error message
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 PRG 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
Button MODE	Mode selection/save configuration

Electrical specifications

Insulation voltage	U_i	≥ 500 V
Rated operational voltage	U_e	from AS-Interface
Rated operational current	I_e	DeviceNet ≤ 100 mA; AS-Interface ≤ 200 mA

Interface

Protocol	DeviceNet
----------	-----------

Connection

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

Ambient conditions

Ambient temperature	0 ... 55 °C (32 ... 131 °F)
Storage temperature	-25 ... 85 °C (-13 ... 185 °F)

Mechanical specifications

Protection degree	IP20
Mass	420 g
Construction type	Low profile housing , plastic

Compliance with standards and directives

Standard conformity	
Protection degree	EN 60529

Accessories**VAZ-DN-SIM**

DeviceNet master simulator

VAZ-SW-ACT32

AS-Interface software