



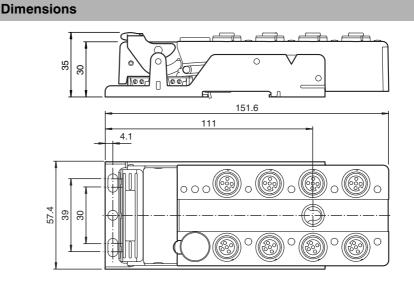
Model number

VBA-4E4A-G12-ZEJ/EA2L

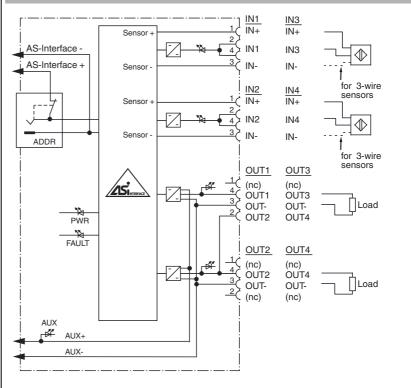
G12 flat module 4 inputs (PNP) and 4 electronic outputs

Features

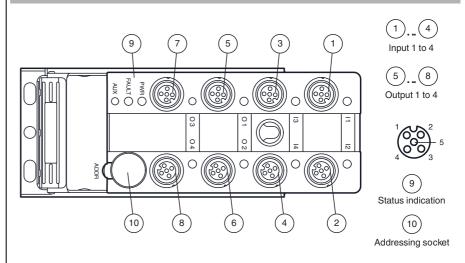
- A/B slave with extended addressing possibility for up to 62 slaves
- One-piece housing with stainless steel base
- Installation without tools
- Metal threaded inserts with SPEED-CON technology
- Flat cable connection with cable piercing technique, variable flat cable guide
- Red LED per channel, lights up in the event of output overload
- Communication monitoring, configurable
- DIN rail mounting
- AS-Interface certificate



Electrical connection



Indicating / Operating means



Release date: 2014-04-14 12:01 Date of issue: 2015-02-05 266906_eng.xml

Refer to "General Notes Relating to Pepperl+Fuchs Product Information"
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PEPPERL+FUCHS

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AS-Interface sensor/actuator module

Technical data

General specifications VB also Vyo NB also Vyo As-Interface specification V3.0 Required matser specification V3.0 Functional safety related parameters Seconda Second				
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ref:	LED PWR		green: voltage OK	LED
LED OUT Switching status (output) 4 yellow/red LEDs we Red: output overload Electrical specifications 24 V D £ ± 15 % PELV Rated operating voltage (up u) 28 5 31.6 V from AS-Interface Rated operating outgap 0 Rated operating outgap 4 Number/Type 4 Number/Type 4 Number/Type 4 Supply from AS-Interface Voltage 21 31 V Current loading capacity 20 on A, overload and short-circuit protected Input ourrent 28 mA (limited internally) Switching point according to DIN EN 61131-2 (Type 2) O (unattenuated) 2 F mA 1 (attenuated) 2 G mA Signal delay < 1 ms (input/AS-Interface)	LED AUX		green: voltage OK	dual LED green/red
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Red: output overload Electrical specializations Auxiliary voltage (output) U _A 24 V DC ± 15 % PELV Rated operating voltage U _e 26.531.6 V from AS-Interface Protection class III Imput Imput Second	LED OUT			yellow/red LEDs
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	Storage temperature Shock and impact resistance Vibration resistance Mechanical specifications		0.75 mm 10 57 Hz , 5 g 5	

Function

The VBA-4E4A-G12-Z*J/EA2L is an AS-Interface trigger module with 4 inputs and 4 outputs. 2- and 3-wire sensors as well as mechanical contacts can be connected to the plus switching electronic inputs. The outputs are electronic outputs which can be energized with max. 24 V DC and 2 A per output.

The solid housing permits fast mounting without tools as well as easy removal without tools. The stainless steel shell and the cast housing ensure durability and a high protection category.

The connection to the AS-Interface calbe and to the external power supply is achieved via penetration technology in the integrated flat cable. The insert for the flat cables can be turned in two orientations.

All connections to inputs and outputs are implemented via metal inserts for high stability. The connection to the sensors/actuators is achieved via a M12 x 1 circular connector with SPEEDCON quick locking option.

The inputs and the connected sensors are supplied from the internal power supply of the module (from AS-Interface), the outputs and the connected actuators via an external power source (AUX).

To indicate the current switching state there is an LED for each channel fitted to the top of the module. The outputs are protected against overload and short circuit, an output overload is indicated via an LED per channel. An LED to indicate the AS-Interface voltage and that the module has an address of 0 is available, another indicates errors in the AS-Interface communication as well as periphery faults. Another LED indicates the external power supply (AUX).

This module can be mounted in any position using three screws or can be snapped onto the DIN rail using the stainless steel holder.

An output overload is reported to the AS-Interface master via the function "periphery fault". The communcation with the AS-Interface remains intact.

Accessories

VBP-HH1-V3.0-KIT

AS-Interface Handheld with accessory

VAZ-V1-B3

Blind plug for M12 sockets

VBP-HH1-V3.0

AS-Interface Handheld

VAZ-PK-1.5M-V1-G Adapter cable module/hand-held programming device

VAZ-CLIP-G12 lock for G12 module

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VBA-4E4A-G12-ZEJ/EA2L

Connection	Cable piercing method flat cable yellow/flat cable black inputs/outputs: M12 round connector
Material	
Housing	PBT
Mass	230 g
Mounting	Mounting base
Compliance with standards and directives	-
Directive conformity	
EMC Directive 2004/108/EC	EN 50295:1999
Standard conformity	
Noise immunity	EN 61000-6-2:2005, EN 50295:1999
Emitted interference	EN 61000-6-4:2007
Input	EN 61131-2
Degree of protection	EN 60529
Fieldbus standard	EN 50295, IEC 62026-2

Notes

Do not connect inputs and outputs, which are supplied via the module from AS-interface or via auxiliary power, with power supply and signal circuits with external potentials.

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

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