

Electrical connection

Dimensions

Model number

VBA-4E3A-KE-ZEJ/E2L-LEN

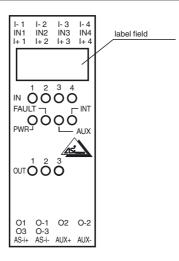
KE switch cabinet module 4 inputs and 3 outputs

Features

- Housing with removable and color coded terminals
- · Communication monitoring
- Inputs for 2- and 3-wire sensors
- Power supply of outputs from the external auxiliary voltage
- Supply of sensors from the module
- Function display for bus, external auxiliary voltage, internal sensor supply, inputs, and outputs
- Red LED per channel, lights up in the event of output overload
- Switchable lead breakage detection (outputs)
- A/B slave with extended addressing possibility for up to 62 slaves
- PCB lacquer-coated

INT 4 inputs IN1 ... IN4 AS-Interface IN \Diamond IN AS-Interface + for 3-wire sensors 1 PWR 12 3 outputs O1 ... O3 OUT FAULT ነበ AUX -Load ↓ AUX + AUX · b O

Indicating / Operating means



Refer to "General Notes Relating to Pepperl+Fuchs Product Information"
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AS-Interface sensor/actuator module

VBA-4E3A-KE-ZEJ/E2L-LEN

According to the set of the set	Technical data	_		
Silver bype APS latefrage specification V3.0 Required master specification 2:V2.1 UL File Number E223772 Indicators/operating means Enter display; red LED LED FAULT Internal input supply, i.e. overhoad or Internation actions arrow, i.e. address is 0 LED INT Internal input supply active: I.ED green LED AUX extra activity green: address 0 LED NT Histmal input supply active: I.ED green LED NT extra activity ordinge 0 (upp); i.e. overhoad or Internal input supply active: I.ED green/red LED N extra activity ordinge 0 (upp); i.e. overhoad or Internation active ordinge 0 (upp); i.e. overhoad or International input supply active: I.ED green/red LED N extra activity ordinge 0 (upp); i.e. overhoad active ordinge 0 (upp); i.e. overhoad ac				
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ULE IN Number E22372 IndicatorSoperating means Error display; red LED LED FAULT Error display; red LED LED INT Internal input supply, i.e. overload or limitering voltage (hug; dual LED green/red green: voltage OK LED NT ED NT LED NT extension of the supply active (LED green/red green: voltage OK) LED OUT Switching state (input), 3 LED yellow/red yellow: Output active green: voltage OK LED OUT Switching state (input), 3 LED yellow/red yellow: Output active green: voltage OK Red operating voltage (uppt) U_MX Auxiliary voltage (suppt) U_MX Protection class III Surge protection class III Number/Type 4 Inputs for 2: or 3-wire sensors (PNP), DC Form A-interface 9 mA (imited internal) Surge protection class III Input active (Input/A-Interface) Output 9 mA (imited internal) Synther instruction 2 is mA (imited internal) Synther instruction 2 is mA (imited internal) Synther inst	•			
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LED INT International put subjects LED green: LED PWR AS-Interface voltage; green LED green: voltage OK read: revease voltage Qu _{AK} dual LED green/red green: voltage OK red revease voltage OK red revease voltage OK red revease voltage OK lED OUT Switching state (orput): 4 LED yelow LED OUT Switching state (orput): 3 LED yelow Reade do perating current U subject of the switching state (orput): 3 LED yelow Number/Type Signed Other Surge protection Switching state (orput): 4 LED yelow Number/Type Signed Other Surge protection Switching state (orput): 4 Jen Switching so Voltage 2131 V DC Current loading capacity Signed Other Signed Idely Signed Other Surge 2131 V DC Current (orput): 5 mA (initial frage Signed Other Surge 2131 V DC Current (orput): 5 mA (initial frage Signed Other Surge 2131 V DC Current (orput): 5 mA Signed Idely Signed Idely Signed Idely Signed Idely Switching point Signed Idely Switching so Current (Other Signed Idely Signed Idely Si			,	i.e. overlaged or lead
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green: voltage OK ILED AUX ext. auxiliary voltage UAUX; voltage Category LED IN evitching state (output); 3 LED yellow LED OUT switching state (output); 3 LED yellow/red yellow: Output active red Categor Voltage Category Pated operating voltage (output) UAUX 2030 V DC PELV Rated operating voltage (output) UAUX 2030 V DC PELV Rated operating voltage (output) UAUX; Un; Over voltage category III, safe isolated power sup (PEUV) Protection class UAUX; Un; Over voltage category III, safe isolated power sup (PEUV) Input NumberType 4 inputs for 2- or 3-wire sensors (PNP), DC Surger protection 10 mA (initied internativ) 2 is mA Surger optication 2 film A, worefoad and short-circuit protected 1 in (internativ) Surger optication 2 is mA 1 (internativ) 2 is mA 1 (darenated) 2 is mA 1 (internativ) 2 is mA 1 (internated) 2 is mA 1 (internativ) 2 is mA 1 (internated) 2 is mA 1 (internativ) 2 is mA 1 (internated) 2 is mA 1 is (internativ) </td <td></td> <td></td> <td></td> <td></td>				
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Function

The AS-Interface I/O module VBA-4E3A-KE-ZEJ/E2L-LEN is a control cabinet module with 4 inputs and 3 electronic outputs.

The housing is only 22.5 mm wide and takes up little space in the control cabinet. The module is mounted by snapping onto the 35mm DIN rail in compliance with EN 50022.

The connection is made via plug-in terminals. Four-terminal blocks (black) are used for the inputs. The connection of the outputs, the external bulk power and AS Interface is via 2-terminal blocks (outputs black, bulk power grey, AS-Interface yellow).

The supply to the inputs and the connected sensors is fed from the internal supply of the module (from the AS-Interface).

The internal input supply is displayed via the INT LED. The IN and OUT LEDs display the current switching status of the relevant inputs and outputs. The OUT LED also indicates an overload or a lead breakage at the associated output.

Note:

The device is equipped with a communication monitor, which deactivates the outputs if the AS-Interface does not communicate with the module for more than 40 ms.

The communication monitor can be deactivated via the parameter P0.

Filters that suppress pulses with a duration of 2 ms or less at the inputs can be connected via the parameter P1.

Parameter P2 activates a lead breakage detection system for the outputs. This function detects and reports a missing load, providing the relevant output is deactivated. The associated OUT LED and the "peripheral fault" function display the signal transmitted to the AS-Interface master.

A signal indicating an overload of the internal input supply or the outputs is also transmitted to the AS-Interface master via the "peripheral fault" function. Communication via the AS-Interface continues even if a peripheral fault is set.

Accessories

VBP-HH1-V3.0-KIT

AS-Interface Handheld with accessory

VBP-HH1-V3.0 AS-Interface Handheld

VAZ-PK-1,5M-V1-G

Adapter cable module/hand-held programming device

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Singapore: +65 6779 9091 fa-info@sg.pepperl-fuchs.co



VBA-4E3A-KE-ZEJ/E2L-LEN

Connection	removable terminals rated connection capacity: rigid/flexible (with and without wire-end ferrules): 0.25 mm ² 2.5 mm ² for multiple-wire connection with two wires of equal cross-sec- tion: flexible with twin wire-end ferrules: 0.5 mm ² 1.5 mm ²
Material	
Housing	PA 66-FR
Mass	150 g
Mounting	DIN mounting rail
Tightening torque of clamping screws	0.5 Nm 0.6 Nm

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" USA: +1 330 486 0001

Pepperl+Fuchs Group www.pepperl-fuchs.com

