

Model number

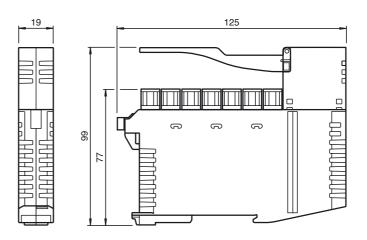
VBA-4E-KE5-IL

Switch cabinet module 4 analog Inputs

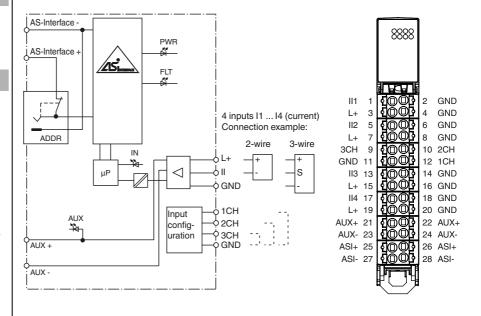
Features

- Housing with push-in connection technology and mechanically coded terminal blocks
- Housing width 19 mm, installation in the switch cabinet on DIN mounting rail
- Sensors supplied from the external auxiliary voltage
- Function display for bus, external auxiliary voltage and inputs

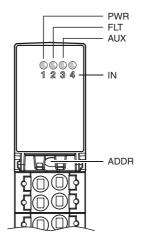
Dimensions



Electrical connection



Indicating / Operating means



Function

The AS-Interface connecting module VBA-4E-KE5-IL is a switch cabinet module with 4 analog current inputs. The housing is only 19 mm wide and takes up little space in the switch cabinet. The module is mounted by snapping it onto the 35 mm DIN rail in compliance with EN 50022.

The connection is made via removable 4-pin push-in terminal blocks. For AS-i+, AS-i-, AUX+, and AUX-, two connections are available in each case; these connections are bridged in the terminal block. If the terminal block is disconnected from the module, the link between these connections is retained. The terminal blocks are mechanically coded. The power to the inputs and the connected sensors is supplied via the external UAUX vol-

The relevant IN LED displays the current status of the inputs. If input signals are valid, the corresponding IN LED lights up permanently. If signals are outside the measuring range, the corresponding IN LED flashes.

The analog values are transmitted asynchronously with a data width of 16 bits as defined by AS-Interface profile 7.3. The value range is 0 ... 20,000 without wire break detection and 4000 ... 20,000 with wire break detection. Grid failures can be filtered using a paramete-

rizable filter at 50 Hz or 60 Hz.

Overloading of the internal input supply, absence of the external UAUX voltage source, measuring overrange, and a wire break at the current input are reported as peripheral faults to the AS-Interface master.

If the wire break detection is disabled, the extended current measuring range can be used.

The number of analog input channels is determined via a jumper between GND and 1CH, 2CH, or 3CH. Without the jumper, automatic detection is active for all four channels. This allows the inputs to be assigned freely. Do not connect the 1CH, 2CH, 3CH, and GND connections to external potentials. The length of the jumpers must not exceed 5 cm.

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

VAZ-BRIDGE-BU/BN60MM/0,75-100

Jumper for switch cabinet modules with spring terminals or screw terminals

PEPPERL+FUCHS

Vibration resistance

0.35~mm~10~...~57~Hz , 5~g~57~...~150~Hz , 20~cycles

Pollution degree	2
Mechanical specifications	
Degree of protection	IP20
Connection	Removable push-in terminals rated connection capacity: rigid: 0.20 mm ² 1.5 mm ² flexible (without wire end ferrule): 0.20 mm ² 2.5 mm ² flexible (with wire end ferrule): 0.25 mm ² 1.5 mm ²
Material	
Housing	PA 66-FR
Mass	110 g
Mounting	DIN mounting rail
Note	Max. length of jumpers = 5 cm

Notes

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