



# Model number

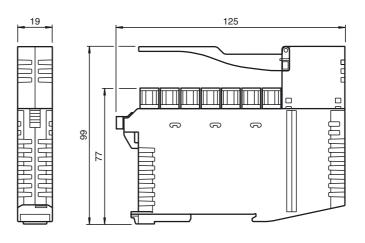
## VBA-2E-KE5-IJL/UJL

Switch cabinet module 2 analog Inputs

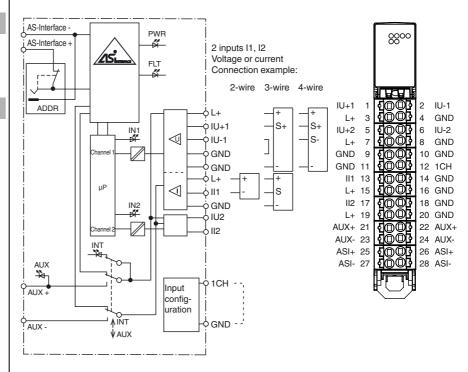
## **Features**

- 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 can be supplied either from the AS-Interface or external auxiliary voltage, as preferred
- Function indicator for the bus, external auxiliary voltage, internal sensor supply, and inputs

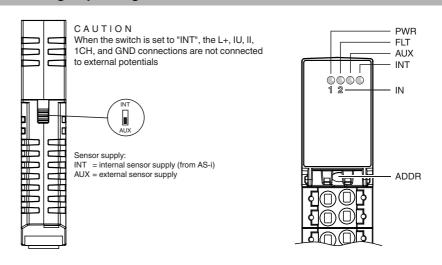
## **Dimensions**



## **Electrical connection**



## **Indicating / Operating means**



## **Function**

The AS-Interface connecting module VBA-2E-KE5-IJL/UJL is a switch cabinet module with 2 analog outputs for voltage or current. 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 supply to the inputs and the connected sensors can be fed either from the internal supply of the module from the AS-Interface or via an external U<sub>AUX</sub> auxiliary voltage. A switch located on the side of the module changes the source.

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 of the current input is 0 ... 20,000 without wire break detection and 4000 ... 20,000 with wire break detection. The value range of the voltage input is 0 ... 10,000.

Grid failures can be filtered using a parameterizable filter at 50 Hz or 60 Hz.

#### Notes:

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

A jumper between GND and 1CH or the parameter P1 can deactivate input channel 2. The jumper has priority here. If no jumper is set and P1 = 1, then both channels are active. Do not connect the 1CH 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

288595\_eng.xm 2019-08-23 :issne: Date of

Release date: 2019-08-23 12:41

2

Relative humidity	85 % , noncondensing
Climatic conditions	For indoor use only
Altitude	≤ 2000 m above MSL
Shock and impact resistance	15 g, 11 ms in 6 spatial directions, 3 shocks 10 g, 16 ms in 6 spatial directions, 1000 shocks
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 <sup>2</sup> 1.5 mm <sup>2</sup> flexible (without wire end ferrule): 0.20 mm <sup>2</sup> 2.5 mm <sup>2</sup> flexible (with wire end ferrule): 0.25 mm <sup>2</sup> 1.5 mm <sup>2</sup>
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.