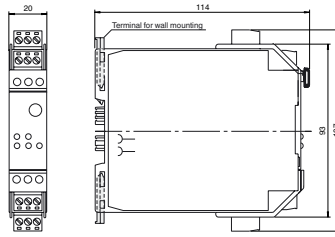


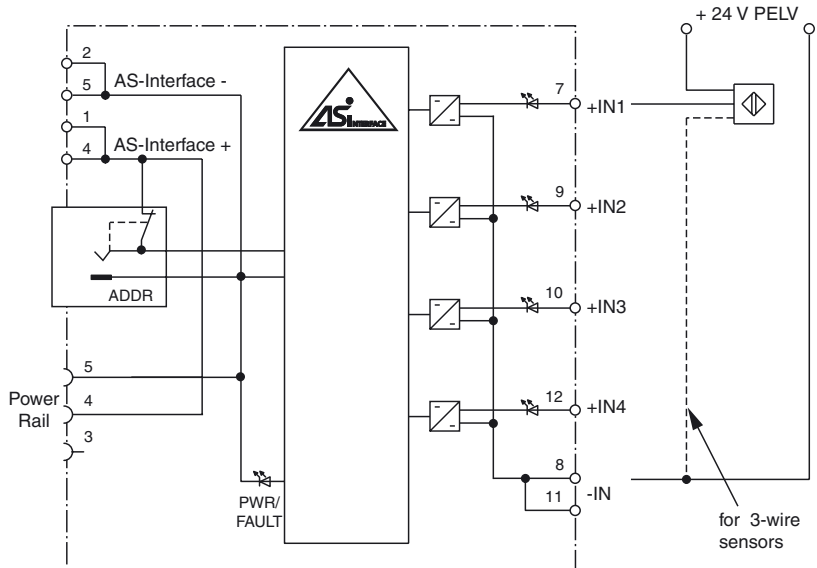
**Model number**  
**VAA-4E-KF-ZE**  
 Cabinet module  
 4 inputs (PNP)

- Features**
- AS-Interface certificate
  - Housing with removable, coded terminals
  - AS-Interface connection via Power Rail
  - Addressing jack
  - External power supply of sensors
  - Function display for bus and inputs

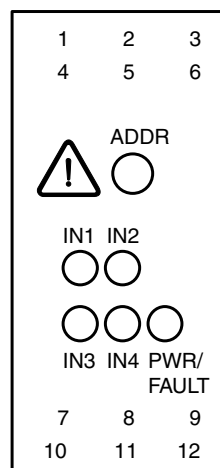
**Dimensions**



**Electrical connection**



**Indicating / Operating means**



**Technical data**

**General specifications**

Slave type	Standard slave
AS-Interface specification	V2.0
Required master specification	≥ V2.0
UL File Number	E106378

**Indicators/operating means**

Release date: 2019-01-09 10:14 Date of issue: 2019-01-09 087521\_Leng.xml

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

LED PWR/FAULT	dual-LED green/red green: AS-Interface voltage, normal operation red: communication error or address 0	
LED IN	switching state (input); 4 LED yellow	
<b>Electrical specifications</b>		
Rated operating voltage	$U_e$	26.5 ... 31.6 V from AS-Interface
Rated operating current	$I_e$	≤ 20 mA
Protection class	III	
<b>Input</b>		
Number/Type	4 inputs for sensors (PNP), DC	
Supply	external	
Switching point		
0 (unattenuated)	≤ 2 mA	
1 (attenuated)	≥ 4 mA	
<b>Programming instructions</b>		
Profile	S-0.0	
IO code	0	
ID code	0	
<b>Data bits</b> (function via AS-Interface)	<b>input</b>	<b>output</b>
D0	IN1	-
D1	IN2	-
D2	IN3	-
D3	IN4	-
<b>Parameter bits</b> (programmable via AS-i)	<b>function</b>	
P0	not used	
P1	not used	
P2	not used	
P3	not used	
<b>Ambient conditions</b>		
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)	
Storage temperature	-25 ... 85 °C (-13 ... 185 °F)	
<b>Mechanical specifications</b>		
Degree of protection	IP20	
Connection	removable coded terminals, Power Rail	
Mass	130 g	
Mounting	DIN mounting rail	
<b>Compliance with standards and directives</b>		
Standard conformity		
Degree of protection	EN 60529	

## Function

The VAA-4E-KF-ZE AS Interface coupling module is a cabinet module with 4 inputs. The design, only 20 mm wide, occupies little space in a cabinet installation. The VAA-4E-KF-ZE is installed by snapping it onto the 35 mm DIN rail per EN 50022, with the integrated Power Rail.

When an AS-Interface master/gateway is used in the cabinet housing, the AS-Interface signal is automatically transmitted via the Power Rail. The connection of the module to the AS-Interface cable is accomplished by simply snapping it onto the DIN rail.

The plug-in coded terminals of the inputs allow "online" maintenance, i. e. while the system is under power. The terminals are coded to prevent incorrect connections.

If a master/gateway other than the one in the cabinet housing is used, the connection to the AS-Interface cable is established via the same terminals. Once the AS-Interface cable has been connected to the terminals, the AS-Interface signal is automatically transferred to the Power Rail.

Power to the module is supplied by the AS-Interface cable and the outputs are powered externally (see connection diagram). A programming jack is available for address configuration.

## Accessories

### VBP-HH1-V3.0-KIT

AS-Interface Handheld with accessory

### VBP-HH1

Handheld programming device

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

Adapter cable module/hand-held programming device

### UPR-05

Universal Power Rail with end caps and cover, 5 conductors, length: 2 m