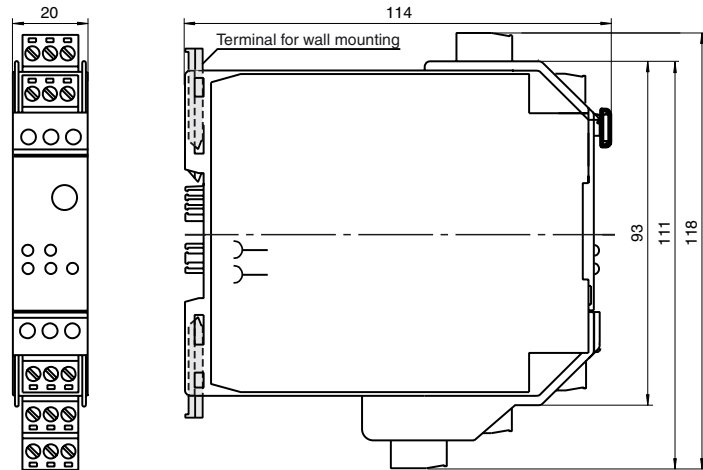


Dimensions



Electrical connection

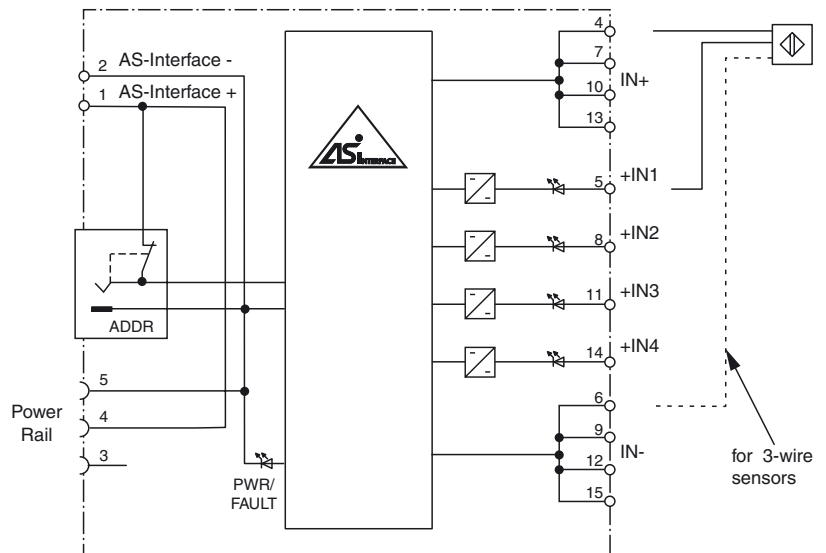
Model number

VAA-4E-KF2-ZE

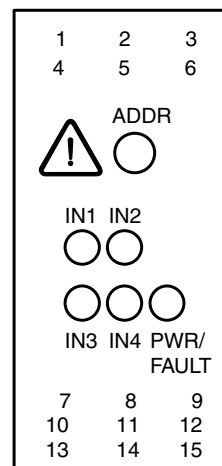
Cabinet module
4 inputs (PNP)

Features

- Housing with removable, coded terminals
- AS-Interface connection via Power Rail
- Addressing jack
- Inputs for 2- and 3-wire sensors
- Function display for bus and inputs
- Power supply of inputs from the module



Indicating / Operating means



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Technical data**General specifications**

Slave type	Standard slave
AS-Interface specification	V2.0
Required master specification	≥ V2.0
UL File Number	E87056

Indicators/operating means

LED PWR/FAULT	dual LED green/red green: AS-Interface voltage red: communication error or address 0 green/red flashing: overload sensor supply
LED IN	switching state (input); 4 LED yellow
LED OUT	Switching state (output); 4 LED yellow

Electrical specifications

Rated operating voltage	U_e	26.5 ... 31.6 V from AS-Interface
Rated operating current	I_e	≤ 50 mA (without sensors) / max. 200 mA
Protection class		III

Input

Number/Type	4 inputs for 2- or 3-wire sensors (PNP), DC
Supply	from AS-Interface
Voltage	21 ... 31 V DC
Current loading capacity	≤ 150 mA, short-circuit protected
Switching point	
0 (unattenuated)	≤ 2 mA
1 (attenuated)	≥ 4 mA

Programming instructions

Profile	S-0.0
IO code	0
ID code	0

Data bits (function via AS-Interface)	input	output
D0	IN1	-
D1	IN2	-
D2	IN3	-
D3	IN4	-

Parameter bits (programmable via AS-i) function

P0	not used
P1	not used
P2	not used
P3	not used

Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-25 ... 85 °C (-13 ... 185 °F)

Mechanical specifications

Degree of protection	IP20
Connection	removable coded terminals, Power Rail
Mass	90 g
Mounting	DIN mounting rail

Compliance with standards and directives

Standard conformity	
Degree of protection	EN 60529

Function

The VAA-4E-KF2-ZE AS-Interface coupling module is a cabinet module with 4 inputs. Its design, only 20 mm wide, occupies little space in a cabinet installation. The VAA-4E-KF2-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.

The module and the inputs are supplied by the AS-Interface cable (see connection diagram). A programming jack is available for address configuration.

Note:

If an overload occurs in the sensor power supply, the AS-Interface master indicates an error and the module disconnects from the AS-Interface.

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