



Model Number

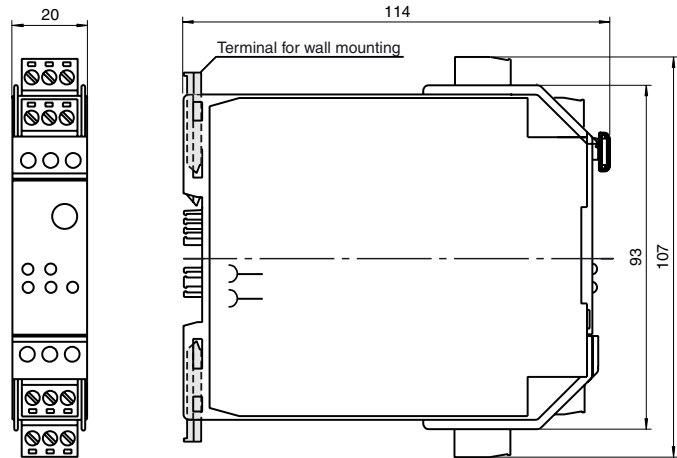
VAA-4E-KF-ZE

Cabinet module
4 inputs (PNP)

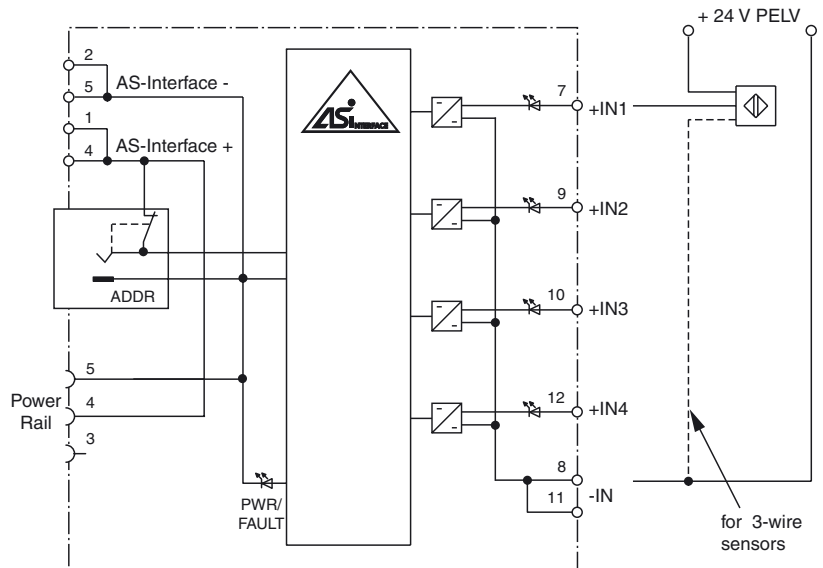
Features

- 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

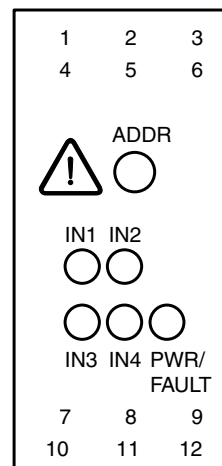
Dimensions



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

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

Electrical specifications

Protection class	III
Rated operational voltage	U_e 26.5 ... 31.6 V from AS-Interface
Rated operational current	I_e ≤ 20 mA

Input

Number/Type	4 inputs for sensors (PNP), DC
Supply	external
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 (248 ... 343 K)
Storage temperature	-25 ... 85 °C (248 ... 358 K)

Mechanical specifications

Protection degree	IP20
Connection	removable coded terminals, Power Rail
Mass	130 g
Mounting	DIN rail

Compliance with standards and directives

Standard conformity	
Protection degree	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
AS-Interface handheld

VAZ-PK-1,5M-V1-G
Connection cable module/hand-held programming device

UPR-05
Universal Power Rail

UPR-E
End cap