







Model number

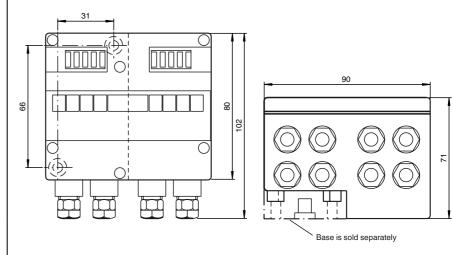
VAA-4E4A-G4-ZE/E2

G4 module IP65 4 inputs (PNP) and 4 electronic outputs

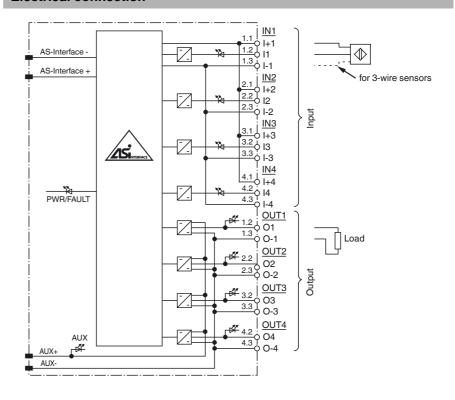
Features

- Protection degree IP65
- Flat or round cable connection (via standardized EEMS base, not included with delivery)
- Cable piercing method for flat cable
- Communication monitoring, turn-off
- Inputs for 2- and 3-wire sensors
- Power supply of outputs from the external auxiliary voltage
- Power supply of inputs from the mo-
- Function display for bus, ext. auxiliary voltage, inputs and outputs
- Monitoring of sensor overloads

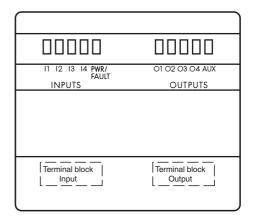
Dimensions



Electrical connection



Indicating / Operating means



Function

The AS-Interface Module VAA-4E4A-G4-ZE/E2 has 4 inputs and 4 outputs. Both 2-wire and 3-wire sensors and also mechanical contacts can be connected to the inputs. The sensors are supplied from the module. The outputs are electronic, which can be loaded to a max. 24 V DC and 1 A per output.

the G4 Module is particularly suitable for harsh field conditions. The connections to the sensors/actuators are made via cable glands and cage spring terminals. This makes the installation particularly user-friendly. Preaddressing can be carried out by plugging the module directly into the VBP-HH1 hand-held programming device adapter.

An LED is provided for each channel on the top of the module to indicate the current switching status. Communication monitoring is integrated in the module. In the event of faults on the bus the monitoring system switches off the current to the outputs.

Connection the AS-Interface transfer cable and the external 24 V DC supply can be achieved by means of flat or round cable. If the AS-Interface flat cable is used, the U-G1FF base component is required. The contact with the two cables is made via the AS-Interface-standardised EEMS interface, i. e. by means of the insulation penetration technique.

If a round cable is used, the U-G1PP base component is required. This base also provides the option of connecting both the AS-Interface cable and the external power supply.

Note:

The device features communication monitoring. When this is active, it switches off the power to the outputs when no communication has occurred on the AS-Interface cable for more than 40 ms.

In the event of overloading of the internal input power supply or output supply, a signal is communicated to the AS-Interface master via the "Peripheral error" function. Communication via the AS-Interface remains uninterrupted.

Accessories

VBP-HH1-V3.0-KIT

AS-Interface Handheld with accessory

VBP-HH1-V3.0

AS-Interface Handheld

VAZ-G4-B

Blind plug PG7

VAZ-G4-B1

Blind plug M12

PEPPERL+FUCHS

Standard conformity

Matching system components

II-G1FF

AS-Interface module mounting base for connection to flat cable (AS-Interface and external auxiliary power)

U-G1FFA

AS-Interface module mounting base with adressing jack for connection to flat cable (AS-Interface and external auxiliary power)

U-G1PP

AS-Interface module mounting base for connection to round cable (AS-Interface and external auxiliary power)

Noise immunity	EN 61000-6-2:2005, EN 50295:1999
Emitted interference	EN 61000-6-4:2007
Input	EN 61131-2:2007
Protection degree	EN 60529:2000
Fieldbus standard	EN 50295:1999, IEC 62026-2:2006

Notes

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

Release date: 2011-07-13 15:13 Date of issue: 2014-01-13 188589_eng.xml