









# **Model number**

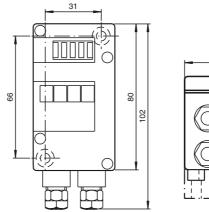
# VBA-2E2A-G4-ZE/E2

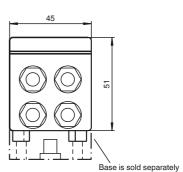
G4 module IP67 2 inputs (PNP) and 2 electronic outputs

#### **Features**

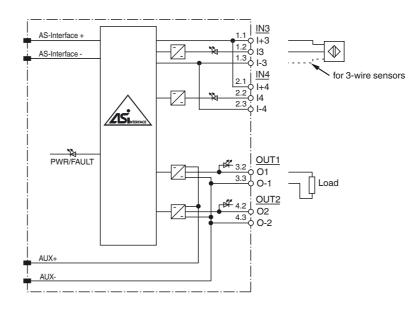
- Protection degree IP67
- A/B slave with extended addressing possibility for up to 62 slaves
- Flat or round cable connection (via standardized EEMS base, not included with delivery)
- Cable piercing method for flat cable
- · Communication monitoring
- Inputs for 2- and 3-wire sensors
- Power supply of outputs from the external auxiliary voltage
- Supply for inputs from AS-Interface
- Function display for bus, inputs and outputs
- LED indicator for overload on sensor supply
- · Detection of output overload

# **Dimensions**

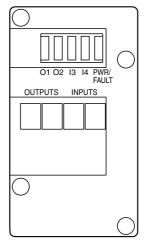




# **Electrical connection**



# **Indicating / Operating means**



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#### **Function**

VBA-2E2A-G4-ZE/E2 AS-Interface module is equipped with 2 inputs and 2 outputs. The inputs permit the connection of mechanical contacts and of 2- and 3-wire sensors, The sensors are supplied via the module. The outputs are electronic outputs, which can be loaded to 24 V DC and 1 A per output.

The IP67 rated G4 module is particularly suitable for rough conditions. Sensors and actuators attach to cable glands and cage tension spring terminals thus making the installation especially user-friendly. For pre-addressing the module it can be plugged directly onto the adapter of the hand-held programming device VBP-HH1.

The current switching state of each channel is indicated by an LED, located on the module's top side. In the case of communication errors on the bus, the outputs are de-energised via an integrated watchdog.

Both flat and round cables can be used for the connection of the AS-Interface transmission line and the external 24 V DC power supply. Use the U-G1FF base for the AS-Interface flat cable. The AS-Interface standardised EEMS interface, uses the cable piercing method to connect both the yellow and black flat cables.

Use the U-G1PP base for a round cable. The AS-Interface-cable as well as the external power supply may be connected within the U-G1PP base.

#### Note:

The device incorporates communication monitoring, which switches off power to the outputs if no communication has taken place on the AS-Interface line for longer than 40 ms.

An overloading of the internal input supply or of the outputs is signalled to the AS-Interface master via the "Peripheral fault" function. Communication via the AS-Interface remains

#### **Accessories**

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

AS-Interface Handheld with accessory

**PEPPERL+FUCHS** 

#### VBP-HH1-V3.0

AS-Interface Handheld

### VAZ-G4-B

Blind plug PG7

#### VAZ-G4-B1

Blind plug M12

Protection degree

EN 60529:2000

# **Matching system components**

#### U-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)

# **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.

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