



Model number

VAA-4A-G6-E2

G6 compact module
4 electronic outputs

Features

- AS-Interface certificate
- Compact design, can be mounted in any position
- Degree of protection IP67
- Connections via round connector
- Power supply of outputs from the external auxiliary voltage
- Function display for bus, external auxiliary voltage and outputs

Function

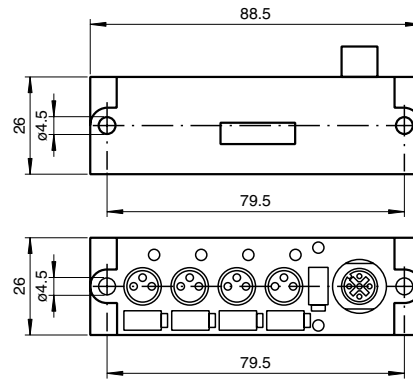
The VAA-4A-G6-E2 is an AS-Interface compact module with 4 current sourcing outputs. Each output can be loaded to 24 V DC and 0.5 A.

Its particularly flat and narrow design makes the IP67 compact module particularly suitable for applications in handling machines, robots etc. To achieve this protection class, the entire electronics were encapsulated. This module has the further advantage that it may be mounted in any position.

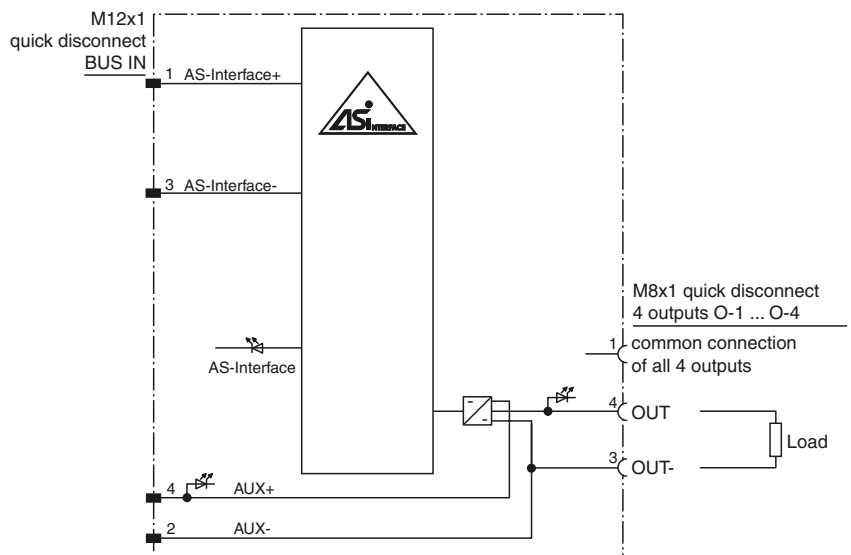
The connection to the AS-interface cable is established via an M12 x 1 quick disconnect. Please refer to the technical data for the pin assignments. An advantage of this connection is that it does not require a separate base. Address configuration can also be carried out using a standard cable with M12 x 1 screw connections.

Connection to the actuators is provided via M8 x 1 screw connections. The current switching state of each channel is indicated by an LED. The LEDs are well visible on the module's top side. The voltages of the AS-Interface and of the external power supply are also indicated by an LED each.

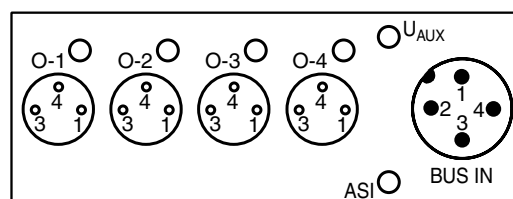
Dimensions



Electrical connection



Indicating / Operating means



Release date: 2019-01-09 10:19 Date of issue: 2019-01-09 098394_eng.xml

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 U _{AUX}	ext. auxiliary voltage U _{AUX} ; LED green
LED AS-i	AS-Interface voltage; LED green
LED OUT	Switching state (output); 4 LED yellow

Electrical specifications

Auxiliary voltage (output)	U _{AUX}	24 V DC ± 15 % PELV
Rated operating voltage	U _e	26.5 ... 31.6 V from AS-Interface
Rated operating current	I _e	≤ 40 mA
Protection class		III

Output

Number/Type	4 electronic outputs, PNP
Supply	from external auxiliary voltage U _{AUX}
Current	0.5 A per output, 2 A total (T _B ≤ 40 °C), 0.4 A per output, 1.6 A total (T _B ≤ 60 °C)
Voltage	≥ (U _{AUX} - 0.5 V)

Programming instructions

Profile	S-8.0
IO code	8
ID code	0

Data bits (function via AS-Interface)	input	output
D0	-	OUT1
D1	-	OUT2
D2	-	OUT3
D3	-	OUT4

Parameter bits (programmable via AS-i) function

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

Ambient conditions

Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Storage temperature	-20 ... 85 °C (-4 ... 185 °F)

Mechanical specifications

Degree of protection	IP67
Connection	AS-Interface and auxiliary voltage: M12 x 1 quick disconnect actuators: M8 x 1 quick disconnect
Mounting	screw mounting

Compliance with standards and directives

Directive conformity	observe notices on the certificate of conformity.
Standard conformity	
Noise immunity	EN 61000-6-2:2001
Emitted interference	EN 61000-6-4:2001
AS-Interface	EN 50295:1999
Degree of protection	EN 60529

Accessories**VBP-HH1-V3.0-KIT**

AS-Interface Handheld with accessory

VBP-HH1

Handheld programming device

VAZ-2T5-G2

Splitter box AS-Interface and auxiliary voltage to 5 x M12 round connector

VAZ-2T1-FK-1M-PUR-V1-W

Splitter box AS-Interface and auxiliary voltage to 1 x M12 round connector