







Model Number

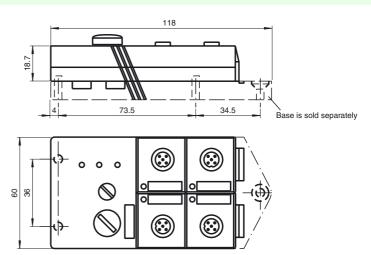
VAA-2EA-G2-ZE/E2

G2 flat module 2 inputs (PNP) and 2 electronic outputs

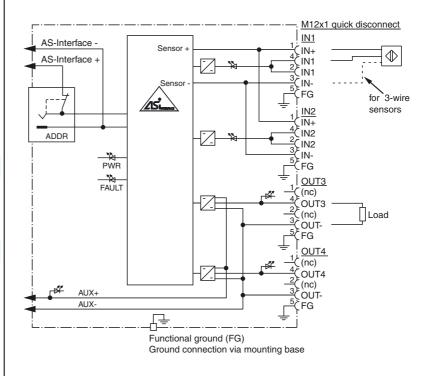
Features

- AS-Interface certificate
- Protection degree IP67
- Addressing jack
- Flat cable connection with cable piercing technique, variable flat cable guide
- 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 module
- Ground connection (PE) possible
- Function display for bus, ext. auxiliary voltage, inputs and outputs
- · Monitoring of sensor overloads

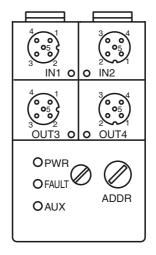
Dimensions



Electrical connection



Indicating / Operating means



Technical data			
General specifications			
Slave type	Standard	slave	
AS-Interface specification	V2.1		
Required master specification	≥ V2.0		
UL File Number	E87056		
Indicators/operating means LED FAULT	arror dien	olay; LED red	
LED PAOLI	red: comr	munication error on mg: overload of se	
LED PWR		ace voltage; LED	=
LED AUX		ary voltage U _{AUX} ;	-
LED IN LED OUT	_	state (input); 2 Lt state (output); 2 I	
	Switching	state (output), 2 i	LED yellow
Electrical specifications Auxiliary voltage (output) U _A	UX 24 V DC :	+ 15 % DEIV	
Protection class	UX 24 V DC :	± 15 % FELV	
Rated operational voltage U _e		1.6 V from AS-Inte	erface
Rated operational current I _e		(without sensors)	
Input		(
Number/Type	2 innute f	or 2- or 3-wire ser	nsors (PNP), DC
Supply	from AS-I		
Voltage	21 31 \	V	
Current loading capacity		A (T _B ≤ 40 °C),	
	≤ 120 mA	$(T_B \le 60 \text{ °C}), \text{ shows }$	ort-circuit proof
Input current	≤ 8 mA (li	imited internally)	
Switching point	< 1 F m 1		
0 (unattenuated) 1 (attenuated)	≤ 1.5 mA ≥ 4.5 mA		
Output	≥ 4.5 IIIA		
Number/Type	2 alactron	nic outputs, PNP	
Supply		rnal auxiliary volta	age Univ
Current	1.5 A per	' -	-90 CAUX
	3 A total ($(T_B \le 40 ^{\circ}C), 2 A$	total (T _B ≤ 60 °C)
Voltage	≥ (U _{AUX} -	0,5 V)	
Programming instructions			
Profile	S-3.F		
IO code	3 F		
ID code Data bits (function via AS-Interface)	Г	input	output
D0		IN1	-
D1		IN2	-
D2		-	OUT3
D3		-	OUT4
Parameter bits (programmable via A	S-i) function		
P0	P0 = 1 (b) fails, the or $P0 = 0$, m	outputs are de-en	itoring = ON, i.e. if communication ergised f communication fails, the outputs
P1 P2	not used		
P2 P3	not used		
Ambient conditions	1101 4304		
Ambient temperature	-25 60	°C (248 333 K)	
Storage temperature		°C (248 358 K)	
Mechanical specifications			
Protection degree	IP67		
Connection	flat cable	rcing method yellow/flat cable t tputs: M12 round	
	100 a		
Mass	100 g		
Mass Mounting	Mounting	base	
Mounting Compliance with standards and dire tives	Mounting	base	
	Mounting		

Function

The VAA-2EA-G2-ZE/E2 is an AS-Interface coupling module with 2 inputs and 2 outputs. Mechanical contacts and 2- and 3-wire sensors can be connected to the inputs. The outputs are electronic outputs, which can be loaded to 24 V DC and 1.5 A per output.

The IP67 flat module features an integrated addressing jack and is ideal for applications in the field.

Connection to the sensors/actuators is provided via M12 x 1 screw connections. The current switching state of each channel is indicated by an LED, located on the module's top side. Similarly, an LED is provided to monitor the AS-Interface communication and to indicate that the module has the address 0. If an AS-Interface communication error occurs, the outputs are de-energised. The input circuit is monitored for short cir-

cuits. LEDs are also provided to indicate AS-Interface voltage and external power supply. The U-G3FF mounting base is normally used for the connection of the AS-Interface flat cable and the external 24 V DC power supply. The specially designed base enables the user to connect flat cables from both sides. This means, for example, that 90° curves can be laid with very tight radii (variable flat cable guide).

Note:

The mounting base for the module is sold separately.

Accessories

VBP-HH1

AS-Interface handheld

VAZ-PK-1,5M-V1-G

Connection cable module/hand-held programming device

VAZ-FK-ED-G2

AS-Interface end seal

Matching system components

U-G3FF

AS-Interface module mounting base