

Model number

VAA-2E1A-CB-N/E2-Y36498

Printed circuit board module 2 inputs / 1 output

Features

- AS-Interface certificate
- Inputs and outputs short-circuit and overload proof
- No external power supply required

Function

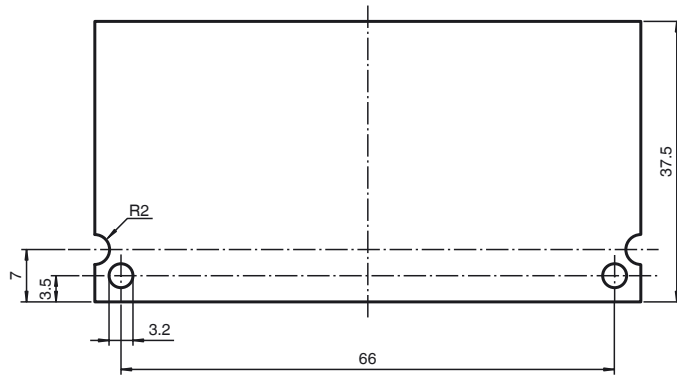
The AS-Interface interface module VAA-2E1A-CB-N/E2-Y36498 is the circuit board solution for an AS-Interface slave. The module is ideal for the integration in customer-specific electronics, e. g. key pads, actuators, etc. The printed circuit board is supplied wholly by the AS-Interface. The inputs and outputs are short-circuit and overload-proof.

Note:

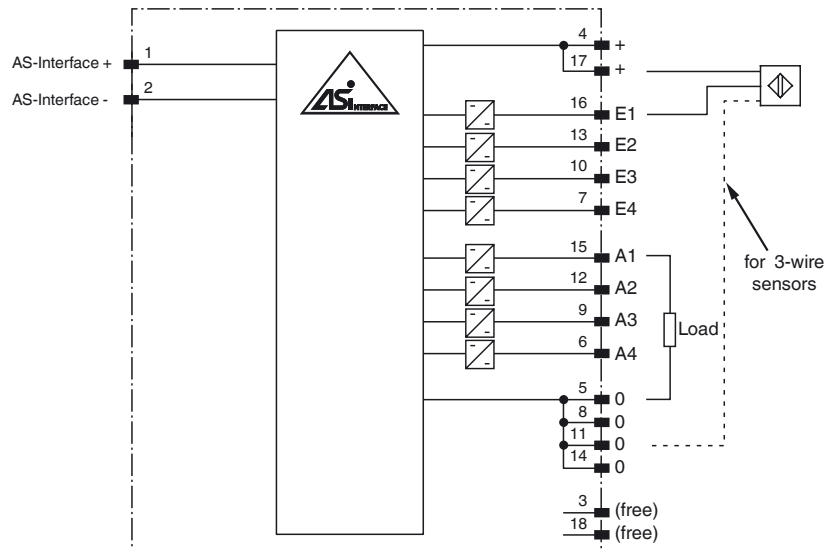
In the case of communication errors on the AS-Interface line, the outputs are de-energised via an integrated watchdog.

This printed circuit board offers the possibility of short-notice, customer-specific designs (e. g.: 2EA, 2E1A, ...). It is also possible to change circuit board dimensions and plug connections.

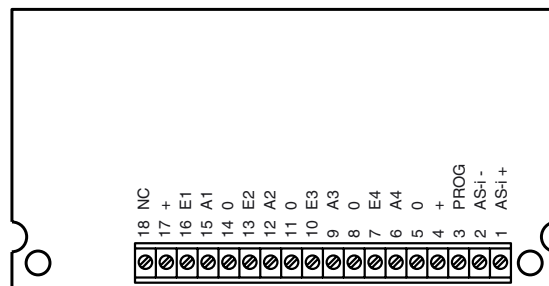
Dimensions



Electrical connection



Indicating / Operating means



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Technical data**General specifications**

Slave type	Standard slave
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Electrical specifications

Rated operating voltage	U_e	26.5 ... 31.6 V from AS-Interface
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Rated operating current	I_e	≤ 150 mA
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Protection class	III
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Input

Number/Type	2 inputs for NAMUR Sensors
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Supply	from AS-Interface
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Voltage	8 V
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Input current	≤ 8 mA (limited internally)
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Switching point	OFF ≤ 1.2 mA ON ≥ 2.1 mA according to DIN EN 60947-5-6
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Output

Number/Type	1 electronic output, PNP
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Supply	from AS-Interface
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Voltage	21 ... 31 V
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Current	max. 100 mA
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Programming instructions

Profile	S-7.0
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IO code	7
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ID code	0
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Data bits (function via AS-Interface)	input	output
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D0	-	OUT1 off
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D1	-	OUT1 on
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D2	IN1	-
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D3	IN2	-
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Parameter bits (programmable via AS-i)	function
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P0	not used
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P1	not used
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P2	not used
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P3	not used
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Ambient conditions

Ambient temperature	-25 ... 60 °C (-13 ... 140 °F)
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Storage temperature	-25 ... 85 °C (-13 ... 185 °F)
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Mechanical specifications

Degree of protection	IP00 (solder pins), IP20 (completely fitted); according to EN 60529
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Connection	Installed printed circuit board grid dimension 2.54 mm
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