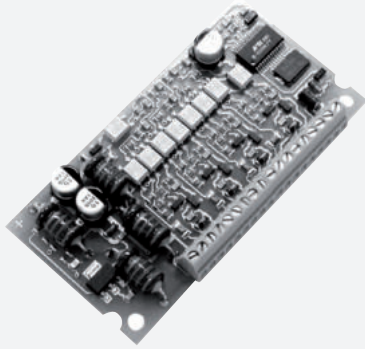




AS-Interface printed circuit board VBA-4E3A-CB-E/E2-S

- A/B node with extended addressing possibility for up to 62 nodes
- Integrated communication monitoring function
- Inputs and outputs short-circuit and overload proof
- No external power supply required
- Connection via screw terminals

Printed circuit board module 4 inputs / 3 outputs



Function

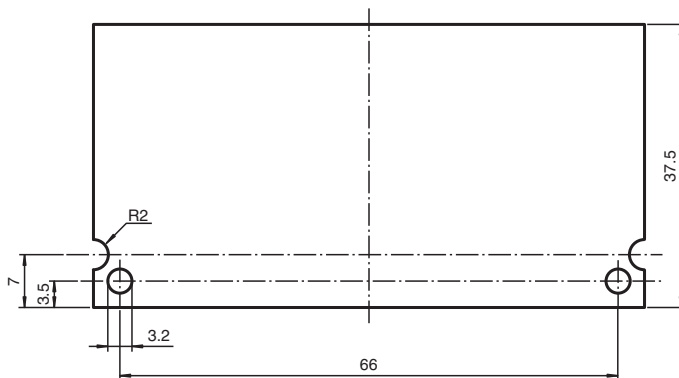
The VBA-4E3A-CB-E/E2-S AS-Interface coupling module is the circuit board solution for an AS-Interface slave. The module is ideal for integration into customer-specific electronics, e. g. keypads, actuators, etc. The circuit board is supplied by the AS-Interface. The inputs and outputs are short-circuit and overload-proof.

Note:

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

Pepperl+Fuchs can customise connectors and circuit board sizes e. g. for 2EA, 2E1A, ... models to meet your specific applications.

Dimensions



Technical Data

General specifications

Node type	A/B node
AS-Interface specification	V2.1
Required gateway specification	≥ V2.0

Electrical specifications

Rated operating voltage	U_e	26.5 ... 31.6 V from AS-Interface
Rated operating current	I_e	≤ 20 mA (without sensors)
Protection class		III

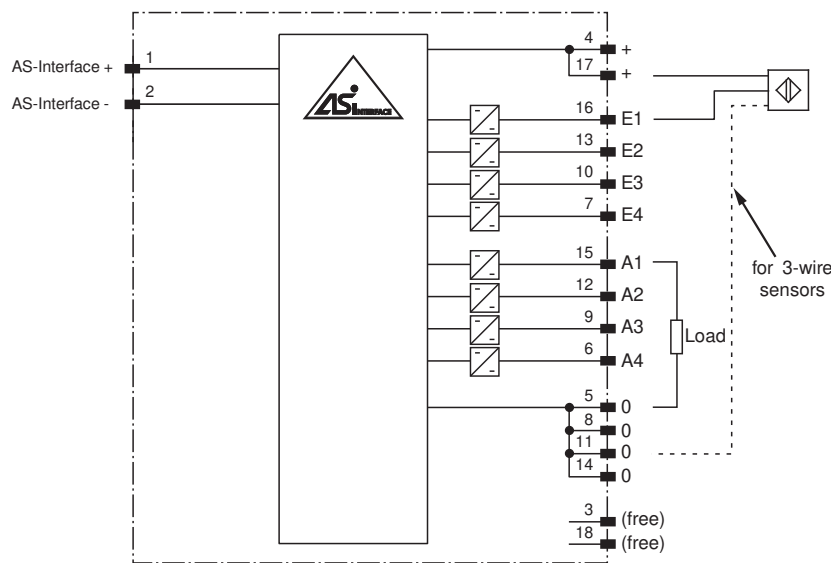
Input

Number/Type	Four inputs for mechanical contacts, two-wire and three-wire sensors
Supply	from AS-Interface
Voltage	21 ... 31 V
Input current	≤ 8 mA (limited internally)
Switching point	$U_{in} < 2 \text{ V}$: aus> $U_{in} > 10 \text{ V}$: on

Technical Data

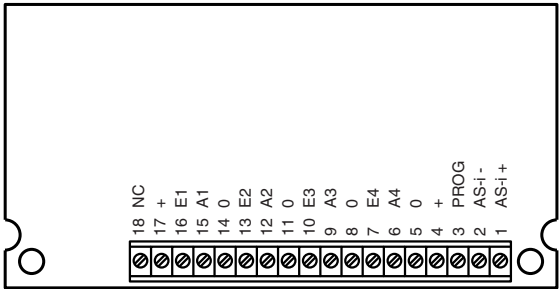
Output		
Number/Type		3 electronic outputs, PNP
Supply		from AS-Interface
Voltage		21 ... 31 V
Current		≤ 80 mA per output, ≤ 80 mA total
Programming instructions		
Profile		S-7.A.E
IO code		7
ID code		A
ID2 code		E
Data bits (function via AS-Interface)		InputOutput
D0		IN1 OUT1
D1		IN2 OUT2
D2		IN3 OUT3
D3		IN4 -
Parameter bits (programmable via AS-i)		function
P0		not used
P1		not used
P2		not used
P3		not used
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Storage temperature		-40 ... 70 °C (-40 ... 158 °F)
Mechanical specifications		
Degree of protection		IP20 (completely fitted) according to EN 60529
Connection		screw terminal strip
Dimensions		
Width		37.5 mm
Length		72.5 mm

Connection



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Assembly



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