

CE

ß 09 M12x1 M18x

Electrical connection

Dimensions

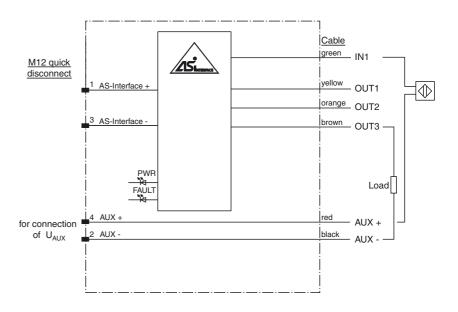
Model number

VAA-1E3A-M18-ZE/E2-V1

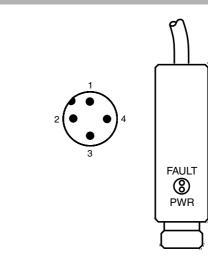
AS-Interface module in M18 stainless steel head ferrule 1 input/3 outputs

Features

- Input for 2-wire sensor ٠
- Function display for bus •
- For screw mounting in almost all me-• tric threads and PGs
- Unlimited addressing! •
- Power supply of the inputs and out-• puts from the external auxiliary voltage
- Including M25 adapter to M18 x 1 for • connection to MOVIMOT



Indicating / Operating means



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Refer to "General Notes Relating to Pepperl+Fuchs Product Information"

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AS-Interface sensor/actuator module

Technical data				
General specifications				
Slave type		Standard slave		
	aro	Standard Slave		
Functional safety related paramet	lers	350 a at 30 °C		
MTTF _d		350 a al 30 °C		
Indicators/operating means				
LED FAULT LED PWR		communication error / address is 0; L	ED red	
		AS-Interface voltage; LED green		
Electrical specifications				
	U _{AUX}	(protection class 3 according to VDE 0106/IEC 364-4-41)		
Rated operating voltage	U _e	26.5 31.6 V from AS-Interface		
Rated operating current	l _e	≤ 20 mA		
Input				
Number/Type			1 Input for 2-wire sensor	
Supply		from external auxiliary voltage U _{AUX}		
Switching point		OFF ≤ 0.8 mA ON ≥ 5 mA		
Output				
Number/Type		3 electronic outputs, PNP		
Supply		from external auxiliary voltage UAUX		
Current		20 mA per output		
Programming instructions				
Profile		S-9.F		
IO code		9		
ID code		F		
ID2 code		0		
Data bits (function via AS-Interface)		input	output	
D0		-	OUT1	
D1		-	OUT2	
D2		-	OUT3	
D3		IN1	-	
Parameter bits (programmable via AS-i)		function		
PO		not used		
P1		not used		
P2		not used		
P3		not used		
Ambient conditions				
Ambient temperature		0 70 °C (32 158 °F)		
Storage temperature		-40 70 °C (-40 158 °F)		
Mechanical specifications				
Protection degree		IP67 according to EN 60529 The protection class appplies only for installation of the module in a connection housing for parts of the module located outside of the connection housing (external M12 connection, inside cable connection). The housing duct must be sealed with a suitable adhesive.		
Connection AS-Interface and auxiliary voltage: M auxiliary voltage, input and outputs: 2				
Mass		110 g		

Function

The cylindrical AS-Interface module permits an easy connection of standard actuators to the AS-Interface. The input/output combination of 1:3 makes it particularly suitable for operation with motors (start/stop, forward/reverse, rotational speed 1/2, alarm indication); this means that all other actuators can also be easily connected to the AS-Interface. By means of mechanical adaptor nuts, the AS-Interface slave attaches to PG cable glands as well as metric cable glands. MOVI-MOT[®] from SEW-Eurodrive requires an M25 adaptor with M18 x 1 quick disconnects which is included in the delivery package. The mechanically strong and short design is an advantage of the stainless steel head ferrule in well-tried and tested Pepperl+Fuchs quality.

The M12 plug establishes a connection to AS-Interface and to the auxiliary supply. Two LEDs show the voltage supply and AS-Interface communication errors. Using additional auxiliary power does not overload the AS-Interface power supply. Therefore, up to 31 cylinder modules can be connected to the AS-Interface line.

Accessories

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

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