



Integrated Design

- AS-interface® station
- Four input and four outputs

Applications

- For wet and dry environments
- For use with four 3-wire discrete sensors

Features

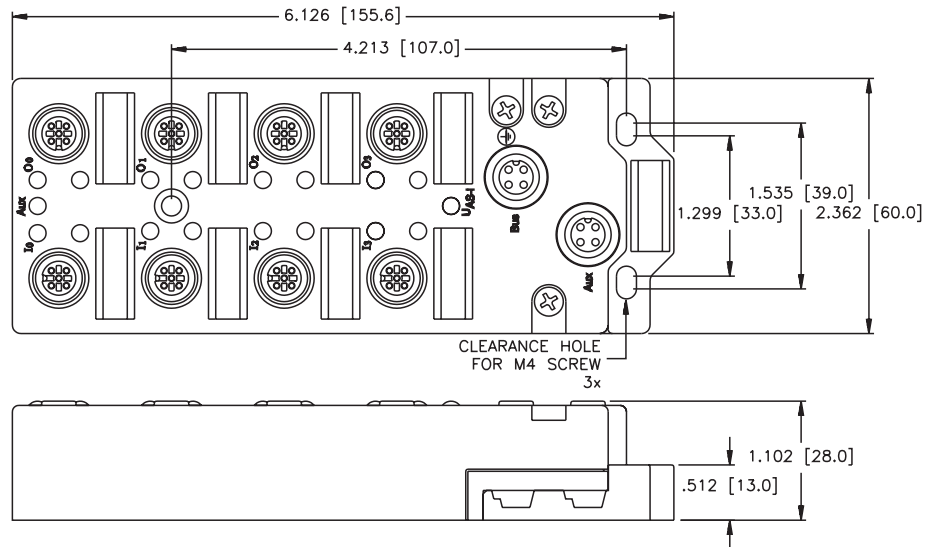
- PNP short-circuit protected inputs
- Gas filled nylon with nickel plated brass connectors

This module provides eight connectors; four with PNP inputs and four with PNP outputs for connection to AS-interface®.

A short-circuit on any I/O point is indicated by a fault signal per the AS-i V3.0 specification. All inputs and outputs are powered from the auxiliary power supply. The station is fully encapsulated and potted; it is intended for use directly on a machine with no need for a separate enclosure.

This module supports both round cable (via a **eurofast**® connector) and AS-i standard flat cable. This station supports extended address mode (1-31 A/B).

Dimensions:



Type "I/O"

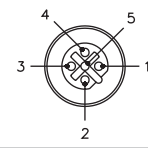
Style: 5-pin **eurofast**
Cordset: RK 4.4T-*RS 4.4T
Field Wireable: BS 8141-0

J1-J4

1 = V+
2 = N/C
3 = V-
4 = Input
5 = PE

J5-J8

1 = N/C
2 = Output
3 = V-
4 = N/C
5 = PE



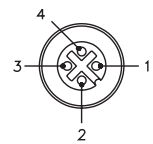
I/O Systems

Type "Bus"

Style: 4-pin **eurofast**
Cordset: Bus Line, RSC 254-*M (Right Angle: WSC 254-*M/C1251)
Field Wireable: Bus Line, BS 8141-0/PG9/ASI

Note: Also supports standard flat AS-i cable

1 = AS-i V+
2 = N/C
3 = AS-i V-
4 = N/C



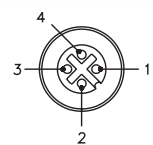
Bus

Type "Auxiliary"

Style: 4-pin **eurofast**
Cordset: Bus Line, RSC 254BK-*M (Right Angle: WSC 254BK-*M/C1251)
Field Wireable: Bus Line, BS 8141-0/PG9/ASI

Note: Also supports standard flat AS-i cable

1 = Aux V+
2 = N/C
3 = Aux V-
4 = N/C



Auxiliary

* Cable length in meters.

FAS8-S0404H-A

Module Specifications:

Electrical

Operating Voltage	18-31 Volts (from AS-i Network)
Internal Consumption	<50 mA

Input Circuits (4) PNP 3-wire sensors or dry contacts

Input Short-Circuit	700 mA (total from auxiliary power, shared with all inputs)
Input Signal State	Off <2 mA On = 3.0-3.4 mA
Input Delay	2.5 ms

Output Circuits

Output Current	Up to 2 A per output (from Auxillary power)
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LED Indications

I/O LED	Off = Off Green = On
AS-i Network	Red = Shorted (just for outputs) Off = Off Green = Ok Red/Green = Fault

Connections

AS-interface	euromast ® or flat cable (via included base module)
Auxillary Power	euromast or flat cable (via included base module)
I/O	euromast

Device Address

Address Adjustment	1-31 A/B
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Mechanical

Material	Glass filled nylon w/ nickel plated brass connectors
Operating Temperature	-25° to +70°C
Protection	IP67

I/O Data	D3	D2	D1	D0	IO Code 7 ID Code A ID2 Code 7
	O3	O2	O1	O0	
	I3	I2	I1	I0	
Parameter Group	P3	P2	P1	P0	
	Not Used	Not Used	OGS Enable	IGS Enable	

Current parameter P0 represents IGS and P1 represents OGS.
Input faults are reported via the AS-i peripheral fault bit.