

Integrated Design

- AS-interface station
- Four input connectors

Applications

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

Features

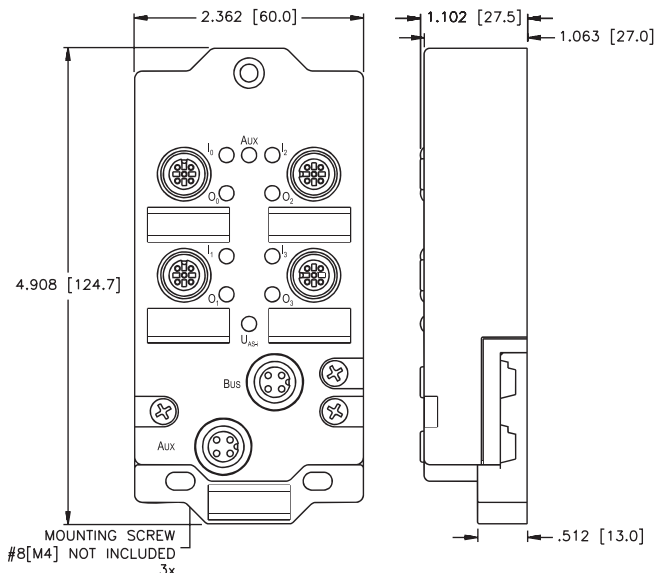
- Gas filled nylon with nickel plated brass connectors

This module provides four connectors with four PNP inputs and four PNP outputs each for connection to AS-interface®. The wiring is simple for a combined I/O device, such as a Parts Verification Array, or a splitter can be used for separate input and output devices.

A short-circuit on any output point is indicated by a fault signal per the AS-i V2.1 specification. All inputs are powered from the auxiliary power supply. All outputs are powered from the auxiliary power. The station is fully encapsulated and potted and 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 single addresses (1 to 31).

Dimensions



Type "I/O"

Style: 5-pin **eurofast**®

Cordset: Single Sensor use RK 4.4T*-RS 4.4T

Field Wireable: Single Sensor use BS 8141-0

J1

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

J3

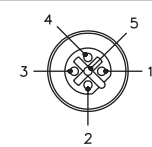
1 = V+
2 = Output 3
3 = V-
4 = Input
5 = N/C

J0

1 = V+
2 = Output 0
3 = V-
4 = Input
5 = Output 1

J2

1 = V+
2 = Output 2
3 = V-
4 = Input
5 = Output 3



I/O Systems

Type "Bus"

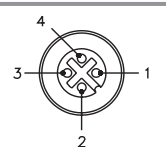
Style: 4-pin **eurofast**®

Cordset: Bus Line use RSC 254-*M

Field Wireable: Bus Line use RKC 2RSC-25

* Also supports standard flat AS-i cable

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



Bus

Type "Auxiliary"

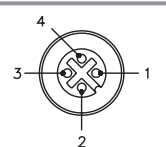
Style: 4-pin **eurofast**®

Cordset: Use RSC 254BK-*M (Right Angle: WSC 254BK-*M/C1251)

Field Wireable: Use BS 8141-0/PG 9/ASI

* Also supports standard flat AS-i cable

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



Auxiliary

Module Specifications

Electrical

Opening Voltage	18-30 Volts (from AS-i Network)
Internal Consumption	≤ 50 mA plus sum of sensor currents (from AS-i Network)

Input Circuits

Input Signal State	Off <2 mA On = 3.0-3.4 mA
Input Delay	2.5 ms

Output Circuits

Output Current	Up to 700 mA (from Auxillary power)
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LED Indications

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

Connections

AS-interface	eurofast ® or flat cable (via included base module)
Auxillary Power	eurofast or flat cable (via included base module)
I/O	eurofast
Splitter	VBRS 4.4-2RK 4T-*/* (sold separately)

Device Address

Address Adjustment	1 - 31
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Mechanical

Material	Glass filled nylon w/ nickel plated brass connectors
Operating Temperature	-25° to +70°C
Protection	IP 67

I/O Data	D3	D2	D1	D0	IO Code 7 ID Code F ID1 Code F ID2 Code E
	O3	O2	O1	O0	
	I3	I2	I1	I0	
Parameter Group	P3	P2	P1	P0	
	Not Used	Not Used	OGS Enable	Not Used	

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