



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 I/O point is indicated by a fault signal per the AS-i V2.1 specification. All I/O is powered from the AS-i supply. 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 **euromast**® connector) and AS-i standard flat cable. This station supports single addresses (1 to 31) only.

Integrated Design

- AS-interface station
- Four input and four outputs

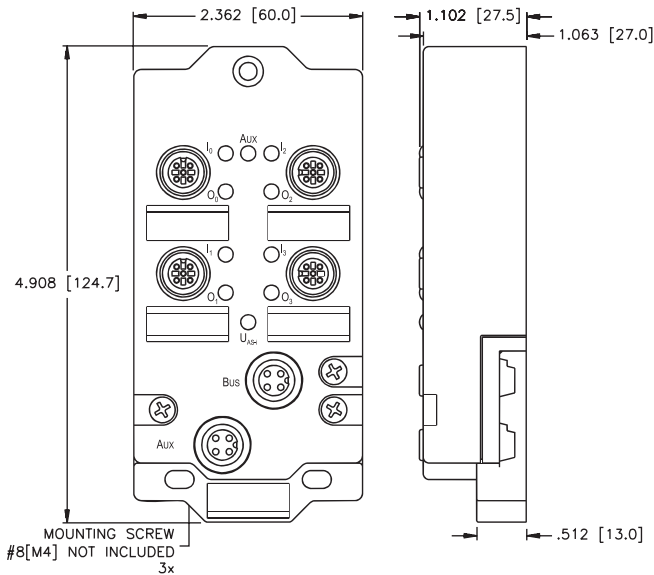
Applications

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

Features

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

Dimensions



Type "I/O"

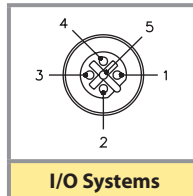
Style: 5-pin **euromast**®

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

Splitter: VB2-RS 4.4T-*2FKM 4.4/S651

Field Wireable: Single Sensor use BS 8141-0

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



Type "Bus"

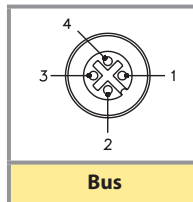
Style: 4-pin **euromast**®

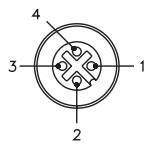
Cordset: Bus Line use RSC 254-*M (Right Angle: WSC 254-*M/C1251)

Field Wireable: Bus Line use BS 8141-0/PG 9/ASI

* Also supports standard flat AS-i cable

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



<p>Type “Auxiliary”</p> <p>Style: 4-pin <i>eurofast</i>®</p> <p>Cordset: Use RSC 254BK-*M (Right Angle: WSC 254BK-*M/C1251)</p> <p>Field Wireable: Use BS 8141-0/PG 9/ASI</p> <p>* Also supports standard flat AS-i cable</p>	<p>1 = Aux V+</p> <p>2 = N/C</p> <p>3 = Aux V-</p> <p>4 = N/C</p>	
<p>Auxiliary</p>		

Module Specifications

Electrical

Operating Voltage	18-31 Volts (from AS-i Network)
Internal Consumption	35 mA

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

Input Short-Circuit	180 mA (total shared w/outputs, short-circuit protected)
Input Signal State	Off <2 mA
	On = 3.0-3.4 mA
Input Delay	2.5 ms
Input Current	Up to 400 mA (from auxiliary power)

Output Circuits

Output Current	Up to 700 mA (from auxiliary 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	<i>eurofast</i> ® or flat cable (via included base module)
Auxiliary Power	<i>eurofast</i> or flat cable (via included base module)
I/O	<i>eurofast</i>
Splitter	VBR5 4.4-2RK 4T-*/* (sold separately)

Device Address

Address Adjustment	1A - 31A
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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 ID2 Code E
	O3	O2	O1	O0	
	I3	I2	I1	I0	
Parameter Group	P3	P2	P1	P0	
	Not Used	Not Used	OGS Enable	IGS Enabled	

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