

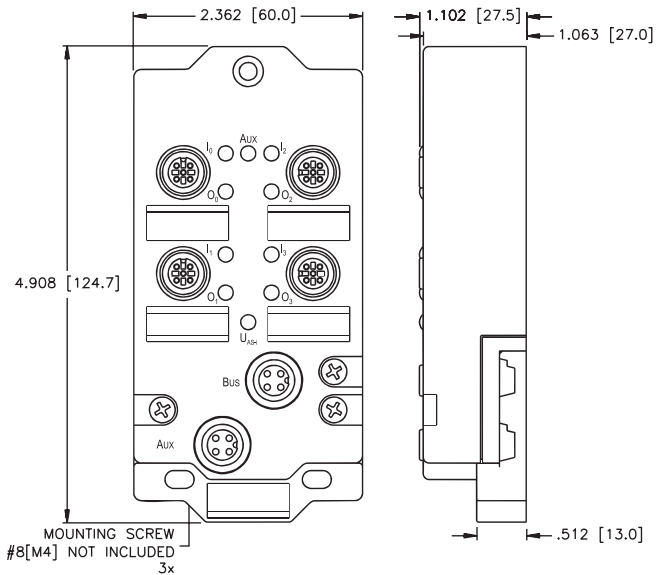


This module provides four connectors with one PNP input and one PNP output each for connection to AS-interface®. The wiring is simple for a combined I/O device, such as a Parts Verification Array, or a splitter can be used for separate input and output devices.

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.

**Dimensions**



**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

<p><b>Type "I/O"</b></p> <p><b>Style:</b> 5-pin <b>euromast</b>®</p> <p><b>Cordset:</b> Single Sensor use RK 4.4T-*RS 4.4T</p> <p><b>Field Wireable:</b> Single Sensor use BS 8141-0</p>	<p>1 = V+</p> <p>2 = Output</p> <p>3 = V-</p> <p>4 = Input</p> <p>5 = PE</p>	<p><b>I/O Systems</b></p>
<p><b>Type "Bus"</b></p> <p><b>Style:</b> 4-pin <b>euromast</b>®</p> <p><b>Cordset:</b> Bus Line use RSC 254-*M (Right Angle: WSC 254-*M/C1251)</p> <p><b>Field Wireable:</b> Bus Line use BS 8141-0/PG 9/ASI</p> <p>* Also supports standard flat AS-i cable</p>	<p>1 = AS-i V+</p> <p>2 = N/C</p> <p>3 = AS-i V-</p> <p>4 = N/C</p>	<p><b>Bus</b></p>

**Module Specifications**

**Electrical**

Operating Voltage	18-31 Volts (from AS-i Network)
Internal Consumption	35 mA plus sum of sensor current (from AS-i Network)

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

Input Short-Circuit	400 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

**Output Circuits**

Output Current	Up to 200 mA (total shared w/inputs)
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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	<b>eurofast</b> ® or flat cable (via included base module)
I/O	<b>eurofast</b>
Splitter	VBRS 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

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

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