This module provides one connector with four PNP inputs and four PNP outputs each for connection to AS-interface®.
The wiring is simple screw terminals to support multiple I/O configurations.

A short-circuit on any I/O point is indicated by a fault signal per the AS-i v3.0 specification. All inputs are powered from the auxillary power supply.

All outputs are powered from the auxillary power.

The node address can be set using an AS-i handheld addressing tool or via software through the AS-i master.

This station supports extended address mode (1-31 A/B).

Integrated Design:

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

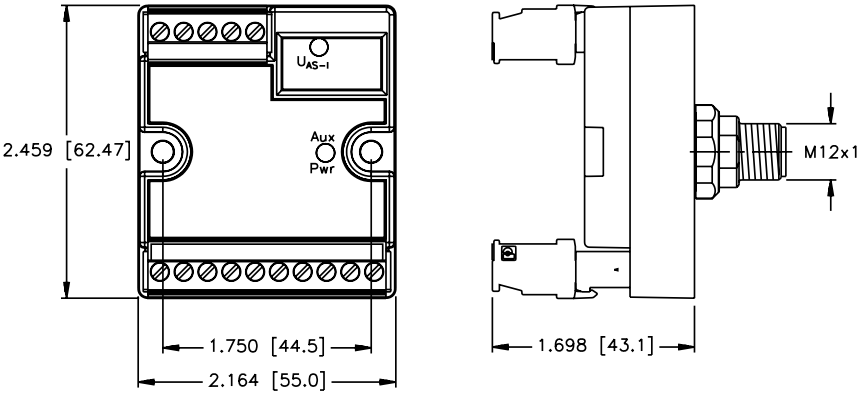
Applications:

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

Features:

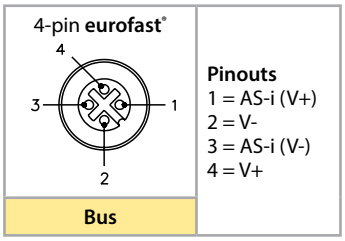
- PNP short-circuit protected inputs
- Short-circuit protected outputs
- Glass filled nylon with nickel plated brass connectors
- Removable terminal blocks

Dimensions:

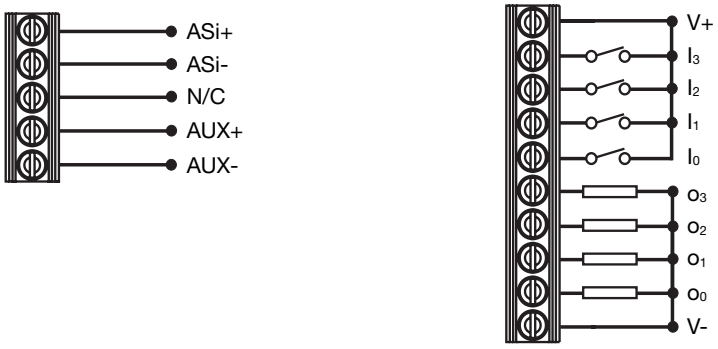


Connector:

Type "Bus"



Terminal Wiring:



Module Specifications:

Electrical

Operating Voltage	18-31 Volts (from AS-i Network)
Internal Current Consumption	30 mA
Auxiliary Power Consumption	≤ 1 A (total)

Input Circuits

(4) PNP 3-wire sensors or dry contacts

Input Short-Circuit (I_{max})	700 mA (from auxiliary power)
I_{out} (max)	700 mA (shared by sensors)
Input Signal State	Off < 2mA On = 3.0 – 3.4 mA
Input Delay	2.5 ms

Output Circuits

Output Current	≤ 1 A (from auxiliary power, shared with inputs and outputs)

LED Indications

Aux LED	Off = Off Green = On
AS-i Network LED	Off = Off Green = Ok Red/Green = Fault

Connections

AS-interface®	**eurofast**® or 5-pin screw terminals
Auxillary Power	**eurofast** or 5-pin screw terminals Screw terminal torque = 0.5 Nm max.

Device Address

Address Adjustment	1A – 31A / 1B – 31B (V3.0)

Mechanical

Material	Nylon
Operating Temperature	-13° to +158°F (-25° to +70°C)
Protection	IP20 Pollution degree 2 environment

Data and Parameter Bit:

I/O Data	D_3	D_2	D_1	D_0	**IO Code 7** **ID Code A** **ID2 Code 7**
	O_3	O_2	O_1	O_0	
	I_3	I_2	I_1	I_0	
Parameter Group	P_3	P_2	P_1	P_0	
	Not Used	Not Used	OGS Enable	IGS Enable	

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