TURCK

This module has four inputs. Inputs are protected against short-circuit as a group. If any input has shorted, the entire group of inputs are disconnected from bus power.

The PLC is informed of short conditions via the AS-interface® peripheral fault bit. The fault bit indicates that all of the inputs are no longer powered.

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).

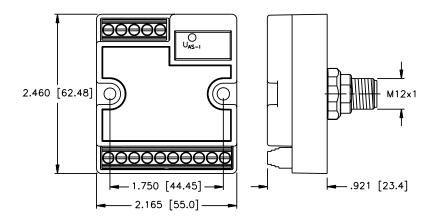## Integrated Design:

• AS-interface® station
• Four inputs

Applications:

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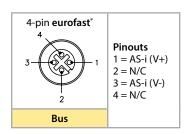• For use with four 3-wire discrete sensors

Features:

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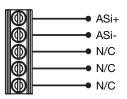• Glass filled nylon with nickel plated brass connectors

Dimensions:

2.460 [62.48]

1.750 [44.45]

2.165 [55.0]

M12x1

.921 [23.4]

Connector:

Type "AS-interface®"

4-pin **eurofast®**

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

Bus

Terminal Wiring:

ASi+
ASi-
N/C
N/C
N/C

V+
I_3
I_2
I_1
I_0
V+
V+
V-
V-
V-

Module Specifications:

Electrical

Operating Voltage	18-31 Volts (from AS-i Network)
Internal Current Consumption	25 mA plus sum of sensor currents (from AS-i Network)

Input Circuits

(4) PNP 3-wire sensors or dry contacts

Input Short-Circuit (I_{max})	130 mA (from AS-I Line)
I_{out} (max)	100 mA (for sensors)
Input Signal State	Off < 2mA
	On = 3.0 – 3.4 mA
Input Delay	2.5 ms

LED Indications

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

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
	Screw terminal torque = 0.5 Nm max.
	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 E**
	I_3	I_2	I_1	I_0	
Parameter Group	P_3	P_2	P_1	P_0	
	Not Used	Not Used	Not Used	IGS Enable	

Current parameter P_0 represents IGS and OGS simultaneously.
I/O faults are reported via the AS-i peripheral fault bit.