

FDNP-L0808G-TT/CS30105



This station provides eight inputs and eight outputs. There are four dual input connectors on the left and four dual output connectors on the right. This unit is specifically designed to work with two position valves. All inputs are powered by bus power. All outputs are powered by auxiliary power.

Each input connector provides V+, V-, Input A, and Input B. The V+ provides power to the attached sensor. The V+ is short-circuit protected and monitored as a group. Input A is indicated by the upper LED. Input B is indicated by the lower LED. A three-wire sensor will only use Input A, while a four-wire sensor will use both.

Each output connector provides AUX-, Output A, and Output B. Outputs are individually short-circuit protected, but monitored as a group. Output A is indicated by the upper LED. Output B is indicated by the lower LED. The AUX- is the output ground.

The node address can be set using the rotary switches located under the device cover

or through software node commissioning. The unit automatically detects the communication rate.

The FDNP-L0808G-TT/CS30105 supports explicit messaging, polled, change of state, and cyclic I/O messages. These connections are established through UCMM or predefined master/slave connection set.

Recommended Cordsets:

Bus line:
RSM RKM 579-*M

Auxiliary power:
RSM RKM 47-*M

Inputs / Outputs:
VB2-RS 4.4T-*/2 RK 4.4T-*/* or
RK 4.4T-*/-RS 4.4T

FDNP-L0808G-TT/CS30105

Advanced DeviceNet™ station

- 4 x 2 discrete inputs and
4 x 2 discrete outputs

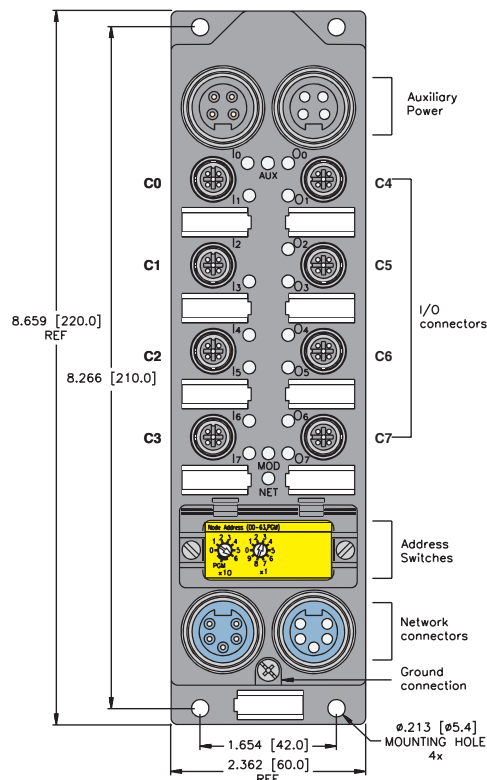
Applications

- For wet or dry environments
- For use with eight 3-wire or four 4-wire proximity or photoelectric sensors, and eight discrete actuators

Features

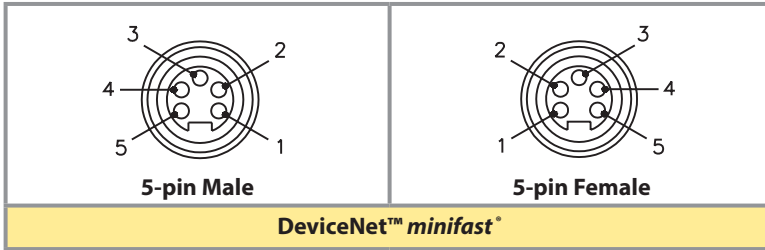
- PNP short-circuit protected inputs
- 0.5 amp short-circuit protected outputs
- Glass filled nylon with nickel plated brass connectors
- Rotary address switches

Dimensions

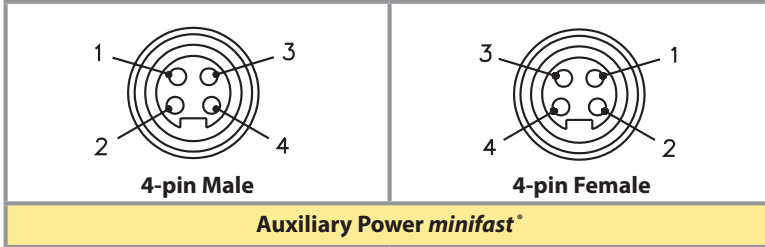


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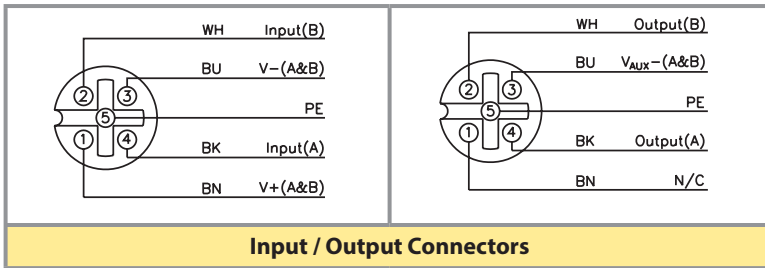
Connectors



1 = Shield
2 = V+
3 = V-
4 = CAN_H
5 = CAN_L



1 = V_{AUX} +
2 = Pass thru
3 = Pass thru
4 = V_{AUX} -



I/O Data Mapping

Item Number: F0249
Product Type / Code: 7/249

Input Data	Byte	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	0	I-7	I-6	I-5	I-4	I-3	I-2	I-1	I-0
1	-	-	-	-	IGS	IGS	IGS	IGS	
2	OS-7	OS-6	OS-5	OS-4	OS-3	OS-2	OS-1	OS-0	
3	-	APS	-	-	-	-	-	-	
Output Data	Byte	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	0	O-7	O-6	O-5	O-4	O-3	O-2	O-1	O-0

Abbreviations

I = Input Data (0=OFF, 1=ON)
O = Output Data (0 = OFF, 1 = ON)
OS = Output Status (0 = Working, 1 = Fault)
APS = Aux Power Status (0 = No Fault, 1 = Group Fault)
IGS = Input Group Short Status (0 = No Fault, 1 = Group Fault)

Module Specifications

Supply Voltage

Bus Power	11-26 VDC
Internal Current Consumption	< 75 mA (from bus power)
Auxiliary Power	18-26 VDC



Input Circuits (8) PNP 3-wire sensors or dry contacts

Input Voltage (V+)	13-26 VDC (from bus power)
Input Short-Circuit (V+)	700 mA - 2.0A (total)
Input Signal Current (I)	OFF <2 mA ON 3.0-3.4 mA at 24 VDC
Input Delay	2.5 ms

Output Circuits (8) DC actuators

Output Voltage	18-26 VDC (from auxiliary power)
Output Load Current	0.5 A per output (from auxiliary power)
Open Circuit Current	<1 mA per output
Maximum Switching Frequency	100 Hz

I/O LED Indications

Off = Not active
Green = Active

Module Status LED

Green = Operating
Flashing Green = Autobaud
Flashing Red = I/O Short

Network Status LED

Off = No connection
Green = Established connection
Flashing green = Ready for connection
Flashing red = Connection time-out
Red = Connection not possible

Auxiliary Power Status LED

Off = Power off
Green = Power on

Address via rotary switch

0-63
Address from internal EEPROM (rotary switch must be in PGM position)

Housing 220 x 60 x 40 (H x W x D)

Material	Glass-filled nylon, nickel plated brass connectors
Enclosure	NEMA 1, 3, 4, 6, 6P, 12, 13 and IEC IP 67, 68, and 69K
Operating Temperature	-40° to +70°C (-40° to 158° F)