

FDNQ-S0002G-T



This station provides two output connectors on the left. All outputs are powered by DeviceNet™.

Each output connector provides V+, V- and output. The V- is the sensor or output ground. Outputs are individually short-circuit protected, but monitored as a group.

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 FDNQ-S0404G-T supports explicit messaging, poll, change of state, and cyclic I/O messages. These connections are established through UCMM or predefined master/slave connection set.

FDNQ-S0002G-T

- Advanced DeviceNet™ station
- Two discrete outputs

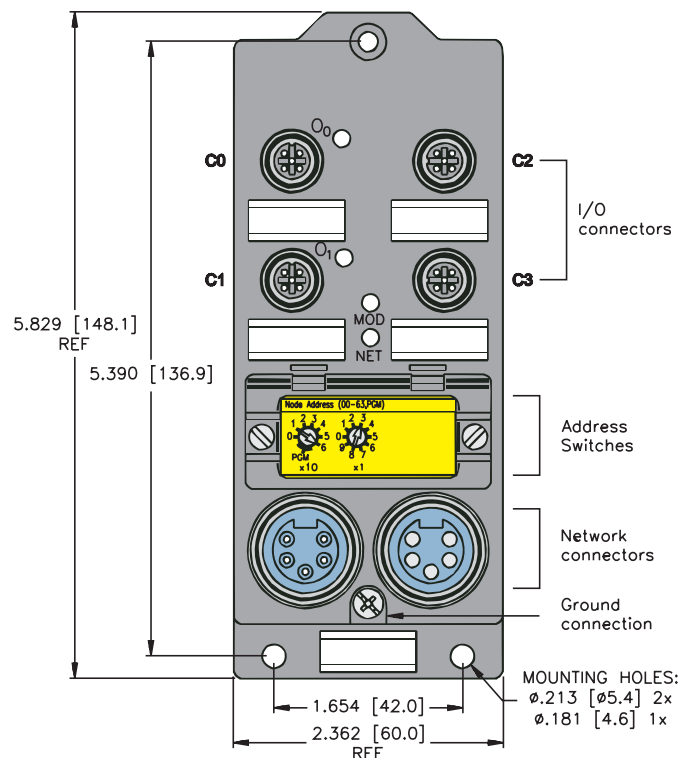
Applications

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

Features

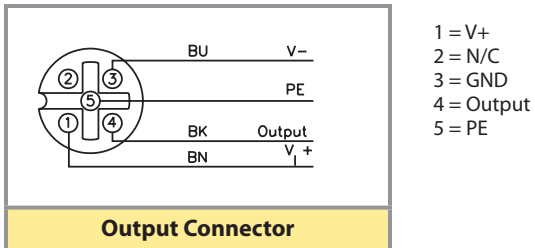
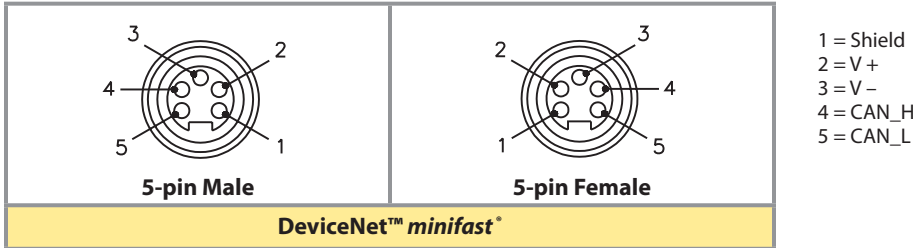
- PNP short-circuit protected inputs
- 0.5 amp short-circuit protected outputs
- Glass filled nylon with nickel plated brass connectors
- Rotary address switches

Dimensions



FDNQ-S0002G-T

Connectors



I/O Data Mapping

Item Number F0208
Product Type / Code: 7/7

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

Abbreviations

I = Input Data (0=OFF, 1=ON)
IGS = Input Group Status (0=Working, 1=Fault)
O = Output Data (0=OFF, 1=ON)
OS = Output Status (0=Working, 1=Fault)

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Module Specifications

Supply Voltage

Bus Power	11-26 VDC
Internal Current Consumption	≤75 mA, plus sum of sensor and output currents (from bus power)
Auxiliary Power	18-26 VDC

Input Circuits

(2) PNP 3-wire sensors or dry contacts

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

Output Circuits

(1) DC actuators

Output Voltage	18-26 VDC (from bus power)
Output Load Current	0.5 A per output (from bus power)
Maximum Switching Frequency	100 Hz

I/O LED Indications

Off = Not active
Green = Active

Module Status LED

Off = Power off
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

Adjustments

via rotary switch

Address	0-63
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Housing

148 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)