

FDNQ-S0404G-T/CS30106



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

Each input connector provides V+, V-, and input. The V+ provides power to the attached sensor. The V+ is short-circuit protected and monitored as a group. The input will work with a PNP sensor or dry contact to V+.

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, 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

Inputs / Outputs: VB2 4.4T-1/-2RK 4T-*/*/S651 or RK 4.4T-*-*RS 4.4T

FDNQ-S0404G-T/CS30106

- Advanced DeviceNet™ station
- Four discrete inputs and four discrete outputs

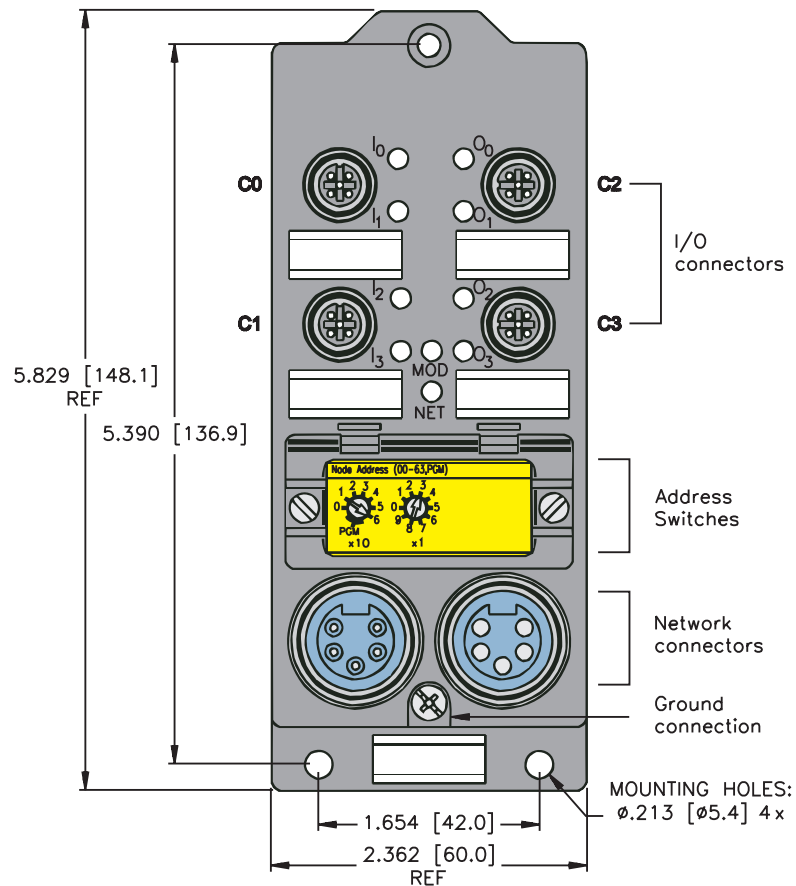
Applications

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

Features

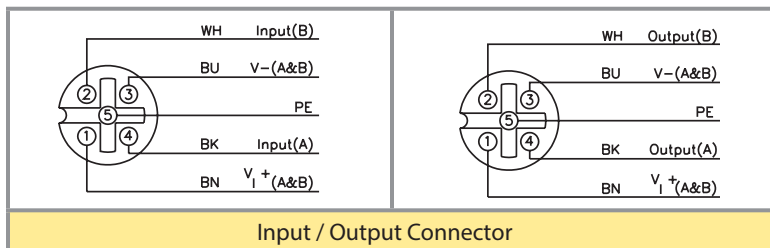
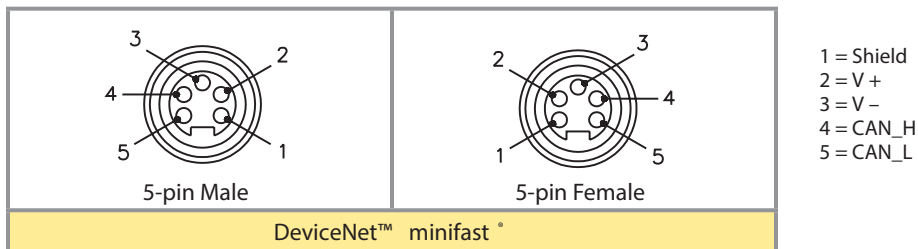
- PNP short-circuit protected inputs
- 0.5 amp short-circuit protected outputs
- Glass filled nylon with nickel plated brass connectors
- Rotary address switches

Dimensions



FDNQ-S0404G-T/CS30106

Connectors



I/O Data Mapping

Item Number F0251
Product Type / Code: 7/251

	7	6	5	4	3	2	1	0
Produce 0	OW-B	OW-A	ISC-B	ISC-A	I3	I2	I1	I0
Produce 1	-	-	-	-	OS-3	OS-2	OS-1	OS-0
Consume 0	-	-	-	-	O3	O2	O1	O0

Abbreviations

I = Input Data (0=OFF, 1=ON)
O = OutputData (0=OFF, 1=ON)
OS = Output Status (0= Working, 1=Fault)
ISC-n = Input Short Status for Connector n

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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)

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

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

Housing	148 x 60 x 40 (H x W x D)
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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)