

FDNQ-S0201G-T



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

The input connector provides V+, V-, and 2 inputs. The V+ provides power to the attached sensor. The V+ is short-circuit protected and monitored as a group. The inputs 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. The output is short-circuit protected.

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-S0201G-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

Input: VBRS 4.4-2RK 4T-*/* or RK 4.4T-*RS 4.4T

Output: RK 4.4T-*RS 4.4T

FDNQ-S0201G-T

- Advanced DeviceNet™ station
- Two discrete inputs and one discrete output

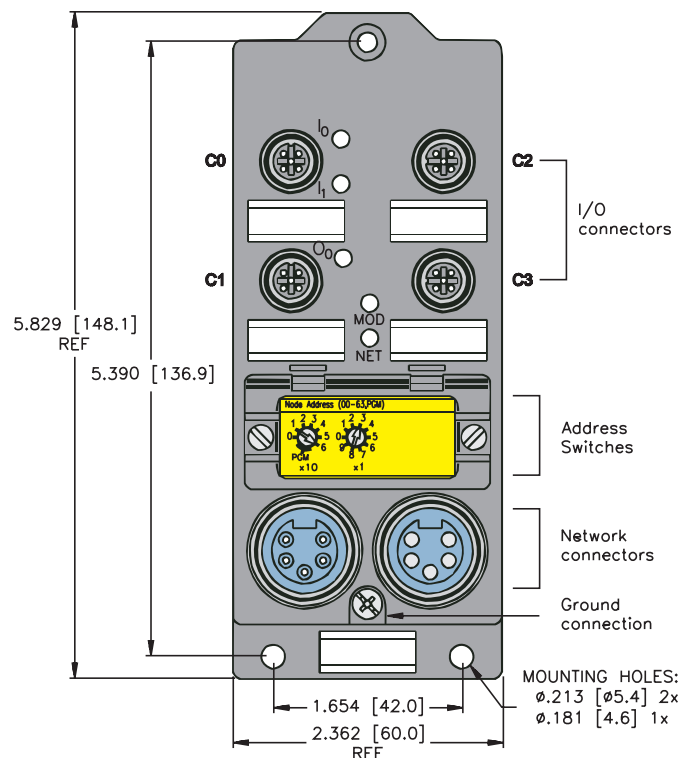
Applications

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

Features

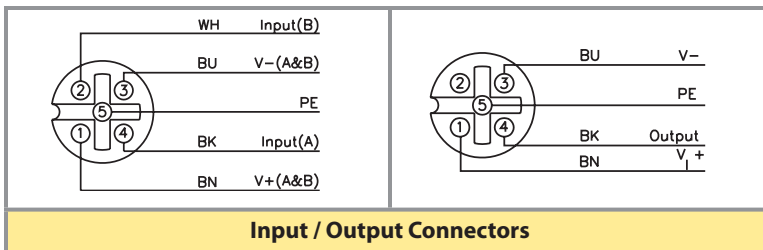
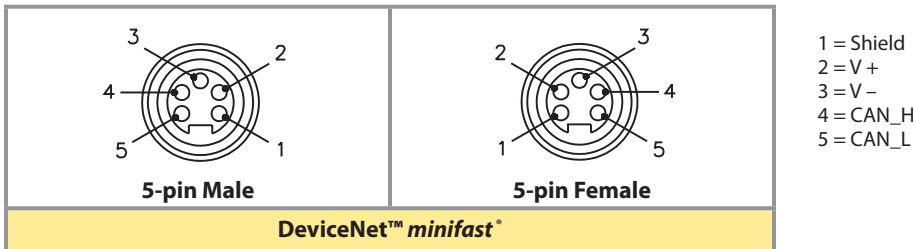
- PNP short-circuit protected inputs
- 0.5 amp short-circuit protected output
- Glass filled nylon with nickel plated brass connectors
- Rotary address switches

Dimensions



FDNQ-S0201G-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 (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)