

FDNQ-CSG44-T



This station has four inputs and four outputs. The input and output circuits are combined in one connector.

Each connector has both input LED and output LED associated with it. The LED turns green if the I/O point is on. Inputs are monitored for short-circuit protection as a group. Outputs are monitored for short-circuit protection 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 can automatically detect the network communication rate.

The FDNQ-CSG44-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-CSG44-T

- Advanced DeviceNet™ station
- Four combined input and output connectors

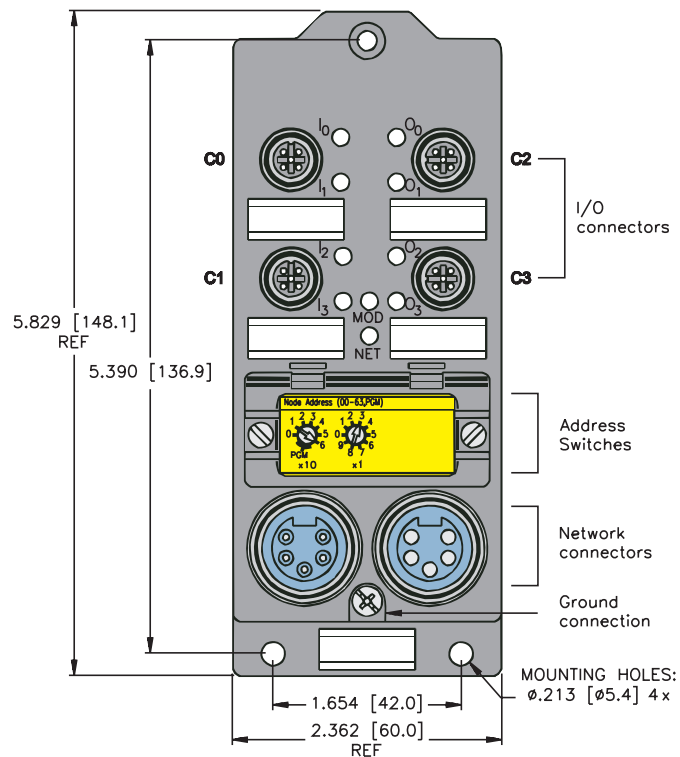
Applications

- For wet or dry environments
- For use with part verification array, 3-wire sensors or discrete actuators

Features

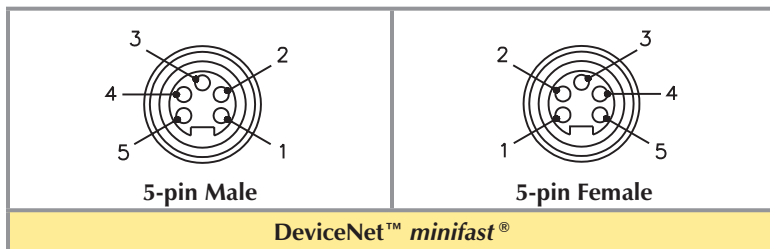
- PNP short-circuit protected inputs
- 0.5 amp short-circuit protected outputs powered via bus
- Glass filled nylon with nickel plated brass connectors
- Rotary address switches

Dimensions

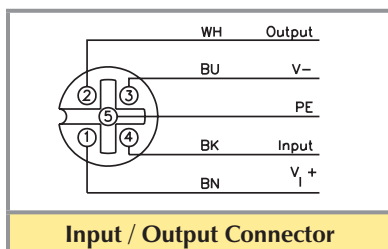


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Connectors



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



I/O Data Mapping

Item Number F0120
Product Type / Code: 7/1921

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

Abbreviations

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

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 push buttons, 3-wire sensors or dry contacts

Input Voltage (V+)	13-26 VDC
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

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Output Circuits

(4) DC actuators

Output Voltage	18-26 VDC optically isolated
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

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

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)