

This *busstop*® station has two input connectors. Each connector provides one input. The LED at each input point turns green when the input is on. Inputs are protected against short-circuit as a group. If any input is shorted, the entire group of inputs are disconnected from bus power.

The PLC is informed of short conditions via the input data map. The IGS bit indicates that all of the inputs are no longer powered.

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-S0200-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-S0200-T

- Advanced DeviceNet™ station
- Two input connectors

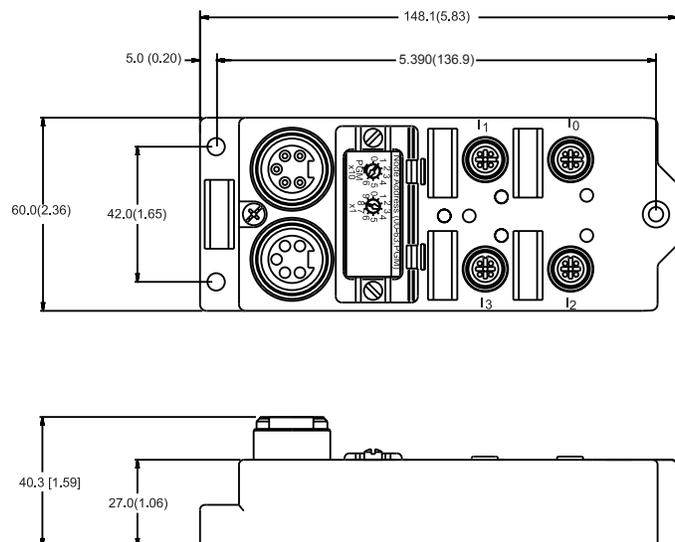
### Applications

- For wet or dry environments
- For use with four three-wire discrete sensors

### Features

- PNP short-circuit protected inputs
- Glass filled nylon with nickel plated brass connectors
- Rotary Address Switches

## Dimensions



## Connectors

<p><b>Type "S"</b></p>	<p><b>Style: 5-Pin eurofast®</b></p> <p><b>Cordset: Single Sensor use RK 4.4T-*-RS 4.4T</b></p> <p><b>Field Wireable: Single Sensor use BS 8141-0</b></p>	<p>1 = V+ 2 = N/C 3 = V- 4 = Input 5 = PE</p> <p><b>Single Sensor</b></p>
<p><b>DeviceNet</b></p>	<p><b>Style: 5-Pin minifast®</b></p> <p><b>Cordset: Bus Line use RSM RKM 579- *M</b></p> <p><b>Tee : Bus Line use RSM 2RKM 57</b></p>	<p>1 = Shield 2 = V + 3 = V - 4 = CAN_H 5 = CAN_L</p> <p><b>Male</b>      <b>Female</b></p> <p><b>Through Bus</b></p>

## Module Specifications

## FDNQ-S0200-T Two PNP Input, Group Diagnostic

### Supply Voltage

Bus power	11-26 VDC
Internal current consumption	≤75 mA plus sum of sensor and output currents (from bus power)

### Input Circuits

Input voltage (V+)	13-26 VDC (from bus power)
Input short circuit (V+)	<700 mA (total, short-circuit protected)
Input signal current (Input)	OFF < 2 mA ON 3.0-3.4 mA at 24 VDC
Input delay	2.5 ms

### I/O LED Indications

OFF= Off
Green= On

### Module Status LED

Green: working properly
Flashing Green: detecting autobaud rate
Flashing Red: I/O short-circuit

### Network Status LED

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

Material	glass filled nylon with nickel plated brass connectors
Enclosure	NEMA 1,3,4,12,13 and IEC IP 67
Operating temperature	-40° to 70°C (-40° to 158°F)

### I/O Data Mapping

Product Code: 7/3

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

### Abbreviations

I = Input Data (0=OFF, 1=ON)	O = Output Data (0=OFF, 1=ON)
ISS = Input Short Status (0=Working, 1=Fault)	OS = Output Status (0=Working, 1=Fault)
IOS = Input Open Status (0=Working, 1=Fault)	OGS = Output Group Status (0=Working, 1=Fault)
IGS = Input Group Status (0=Working, 1=Fault)	APS = Aux Power Status (0=OFF, 1=ON)