FDN20-4S-4XSG-E/C1261

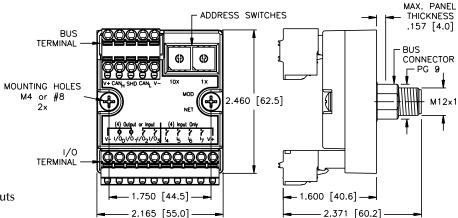


The station provides a connection for 8 I/O points. The first 4 points can be either inputs or outputs. The other 4 points are inputs only. All inputs and outputs are powered by DeviceNet[™]. This is ideal for small systems that don't require auxiliary power.

To use an I/O point as an input, simply leave the corresponding output OFF. To use an I/O point as an output, simply turn on the corresponding output bit. The output will switch on high. Note that this will in turn cause the corresponding input bit to turn on. If the corresponding input does not turn on, the output is shorted.

The FDN20-4S-4XSG-E/C1261 supports explicit messaging, poll, change of state, and cyclic I/O messages. These connections are established through UCMM or predefined master/slave connection set.

Dimensions



FDN20-4S-4XSG-E/C1261

Integrated Design

- Extremely flexible DeviceNet station
- Four inputs and four inputs/outputs

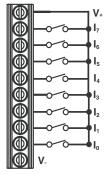
Application

- For operator stations
- For use with PNP Sensors or 0.5 Amp outputs

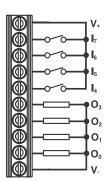
Features

- PNP short-circuit protected inputs
- 0.5 Amp short-circuit protected outputs]
- All of the I/O is powered by DeviceNet
- Nickel plated brass connector
- Removable terminal blocks

Terminal Wiring



To connect as inputs



To connect as outputs (I/O points 0-3 shown as outputs)

FDN20-4S-4XSG-E/C1261

DeviceNet [™] Style: 5-Pin eurofast [®] Cordset: Bus Line use RSC RKC 579-*M Tee: Bus Line use RSC 2RKC 57	$1 = Shield$ $2 = V +$ $3 = V -$ $4 = CAN_H$ $5 = CAN_L$	5 1 2 Male	► 15.3 [.602] ► 13.6 [.535]
		Through Bus	Mounting Hole

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	(4-8) PNP 3-wire sensors or dry contacts				
Input Voltage (V+)	18-26 VDC (from bus power)				
Input Short-Circuit (V+)	<700 mA (total, short-circuit protected)				
Input Signal Current (Input)	OFF 0-4 V, 0-0.5 mA				
	ON 8-24 VDC, 1-3.4 mA				
Input Delay	2.5 ms				
Output Circuits	(4) DC Actuators				
Output Voltage	18-26 VDC (from bus power)				
Output Load Current	0.5 Amps each (from bus power)				
Maximum Switching Frequency	100 Hz				
Rotary Switch					
	0-63: Address from switch				
	64-79: Address from EEPROM				
	80-99: Reserved				
Network Status LED					
	Green: Established Connection				
	Flashing Green: Ready for Connection				
	Flashing Red: Connecton Time-Out				
	Red: Connection Not Possible				
Housing					
Material	Nylon				
Enclosure	IP 20				
Operating Temperature					

FDN20-4S-4XSG-E/C1261

I/O Data Mapping

Product Type/Code: 1007

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

Abbreviations

I = Input Data (0 = OFF, 1 = ON)

O = Output Data (0 = OFF, 1 = ON)

IGS = Input Group Status (0 = Working, 1 = Fault)

OGS = Output Group Status (0 = Working, 1 = Fault)