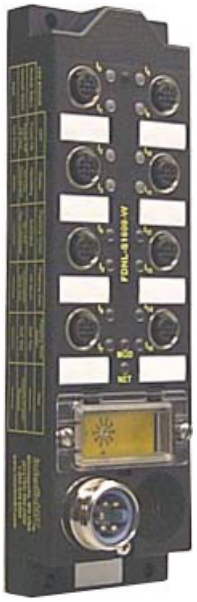
FDNL-S1600-W



This station takes in up to 16 discrete 3-wire inputs or eight discrete 4-wire input points per node. There are two inputs per connector - one on pin 4 and one on pin 2.

Inputs are monitored for short-circuits as a group. A short condition is indicated by a red MOD status LED and the IGS bit. The LED and status bit automatically reset when the fault is removed.

The node address can be set by the rotary switches located under the device cover or through software node commissioning. The unit can automatically detect the network communication rate.

The FDNL-S1600-W supports explicit messages, polled, change of state, and cyclic I/O messages.

Recommended Cordsets:
Bus line: RSM RKM 579-*M
Inputs: VBRS 4.4- 2RK 4T-*/* or RK 4.4T-*-RS 4.4T,
BS8141-0 (male field wireable)
Bus T: RSM 2RKM 57 /C1125

FDNL-S1600-W

- Advanced DeviceNet™ station
- 8 x 2 discrete inputs

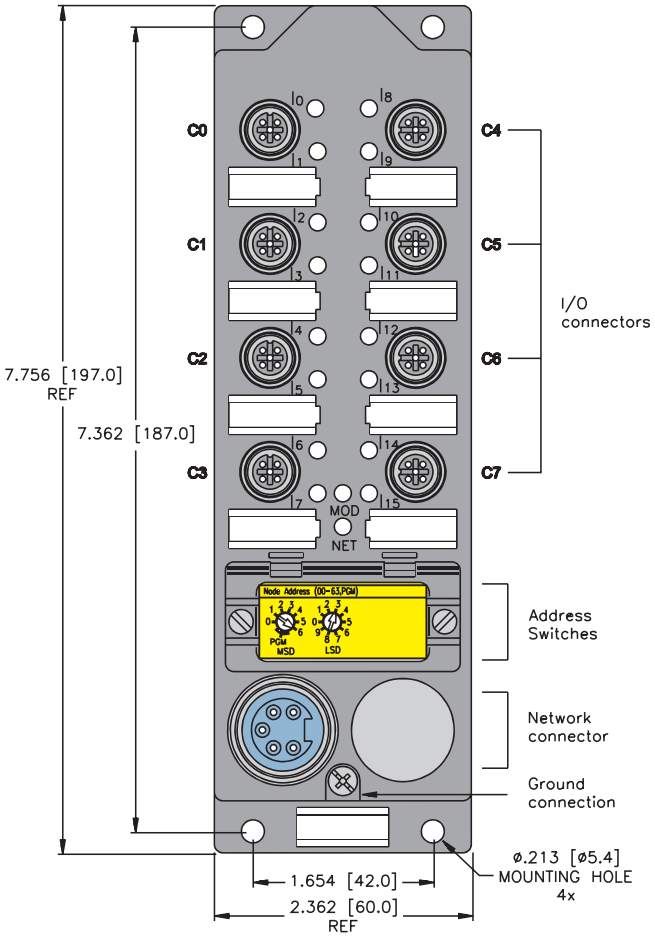
Applications

- For high density applications
- For use with eight 4-wire sensors or 16 3-wire sensors through input splitters

Features

- PNP short-circuit protected inputs
- Glass filled nylon with nickel plated brass connectors
- Rotary address switches
- Automatic detection of network communication rate

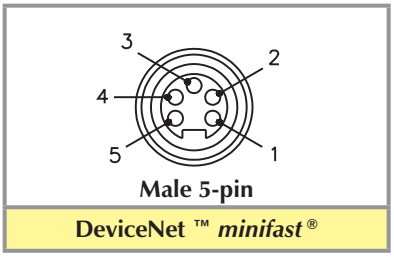
Dimensions



FDNL-S1600-W

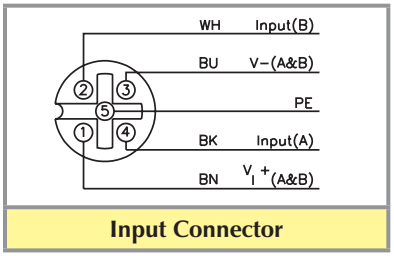
Connectors

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



Male 5-pin

DeviceNet ™ *minifast*®



Input Connector

I/O Data Mapping

Item Number F0125
Product Type / Code: 7/2001

	Byte	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
Input Data	0	I-7	I-6	I-5	I-4	I-3	I-2	I-1	I-0
	1	I-15	I-14	I-13	I-12	I-11	I-10	I-09	I-08
	2	IGS							

Abbreviations

I = Input Data (0=OFF, 1=ON)
IGS = Input Group Status (0=Working, 1=Fault)

FDNL-S1600-W

Module Specifications

Supply Voltage	
Bus Power	11-26 VDC
Internal Current Consumption	<50 mA (at 24 VDC) plus sum of sensor currents (from bus power)
Input Circuits	(16) PNP 3-wire sensors or dry contacts
Input Voltage (V+)	13-26 VDC (from bus power)
Input Short-Circuit (V+)	700 mA - 2.0 A (total)
Input Signal Current (I)	OFF <2 mA ON 3.0-3.4 mA at 24 VDC
Input Delay	2.5 ms
Input 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
Connections	
Bus line	5-pin ***minifast*** ® connectors
Inputs	***eurofast*** ® connectors
Address	
	0-63 Address from internal EEPROM (rotary switch must be in PGM position)
Housing (mm)	197 x 60 x 40 (H x W x D)
Material	Glass-filled nylon, nickel plated brass connectors
Mounting	4 through-holes, 4.5 diameter
Enclosure	NEMA 1, 3, 4, 6, 6P, 12, 14 and IEC IP 67, 68, and 69K
Operating Temperature	-40° to +70°C (-40° to 158° F)