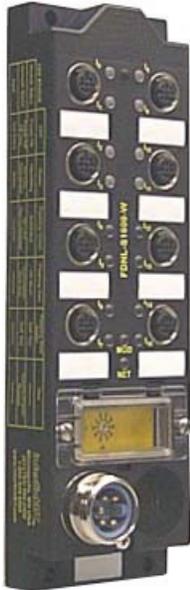


FDNL-S1600-W



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

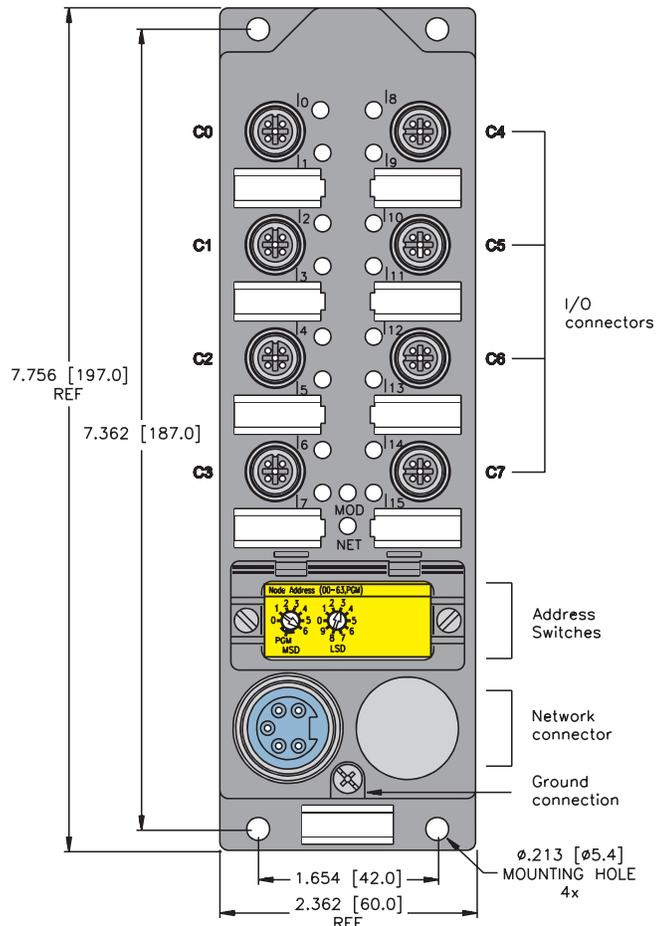
Applications

- 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

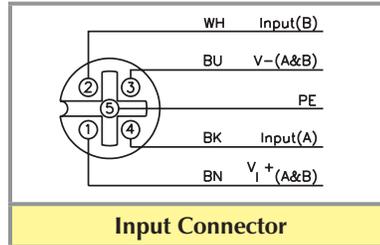
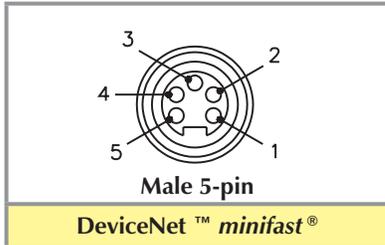
Dimensions



FDNL-S1600-W

Connectors

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



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 <i>minifast</i> ® connectors
Inputs	<i>eurofast</i> ® 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)