

FDN20-32SN

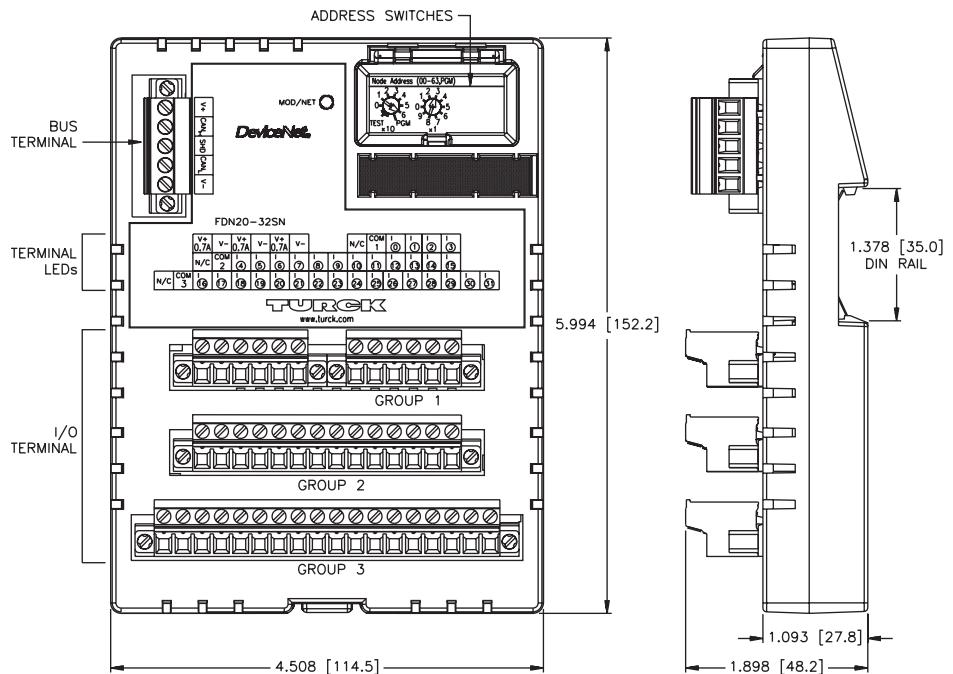


The station provides 32 inputs, which are NPN/PNP inputs. All inputs are isolated from DeviceNet™.

The FDN20-32SN supports explicitly messaging, poll, change of state, and cyclic I/O messages. These connections are established through UCMM or predefined master/slave connection sets.

FDN20-32SN

Dimensions



Integrated Design

- Extremely Flexible DeviceNet™ Station
- Integrated Pin Rail Mount

Application

- For Use with 32 NPN/PNP Inputs

Features

- Short-Circuit Protected
- All of the Inputs May Be Powered by DeviceNet™
- I/O is Separated into Three Isolated Groups

FDN20-32SN

Module Specifications

Supply Voltage

Bus Power	11-26 VDC
Internal Current Consumption	≤100 mA Plus Sum of Sensor and Output Currents (From Bus Power)

Input Circuits

Input Voltage (V+)	12-26 VDC (From Bus Power or External AUX Power Supply)
Input Short-Circuit (V+)	<700 mA (Total, Short-Circuit Protected)
Input Signal State	OFF 0-4 V, 0-0.5 mA ON 12-26 VDC, 1-3.4 mA
Input Delay	1 ms

Network Status LED

Green: Established Connection
 Flashing Green: Ready for Connection
 Flashing Red: Connection Time-Out
 Red: Connection Not Possible
 Flashing Amber: Detecting Baud Rate

Housing

Material	Nylon
Enclosure	IP20
Operating Temperature	-40° to +70°C (-40° to +158°F)
Relative Humidity	Non-condensing

I/O Data Mapping

Product Type/Code: F1015

	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-9	I-8
	2	I-23	I-22	I-21	I-20	I-19	I-18	I-17	I-16
	3	I-31	I-30	I-29	I-28	I-27	I-26	I-25	I-24
	4	IGS	-	-	-	-	-	-	-

Abbreviations

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

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

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Group 1, 2 and 3 Wiring:

Diagram 1: Dry Contacts

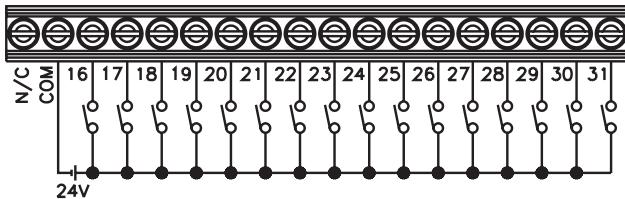


Diagram 2: PNP Inputs

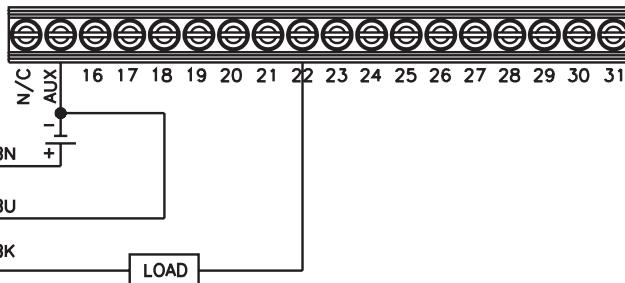


Diagram 3: NPN Inputs

