

Discrete Input Economy Module



BL20-E-8DI-24VDC-P  
BL20-E-16DI-24VDC-P



- Modular I/O
- Fieldbus Independent Configuration
- IP 20 Protection
- Base and Electronics in One Part

**Electrical**

- Operating Current: <math>< 30\text{ mA}</math> from  $V_{MB}$   
<math>< 2\text{ mA}</math> from  $V_{IO}$

**Power Distribution**

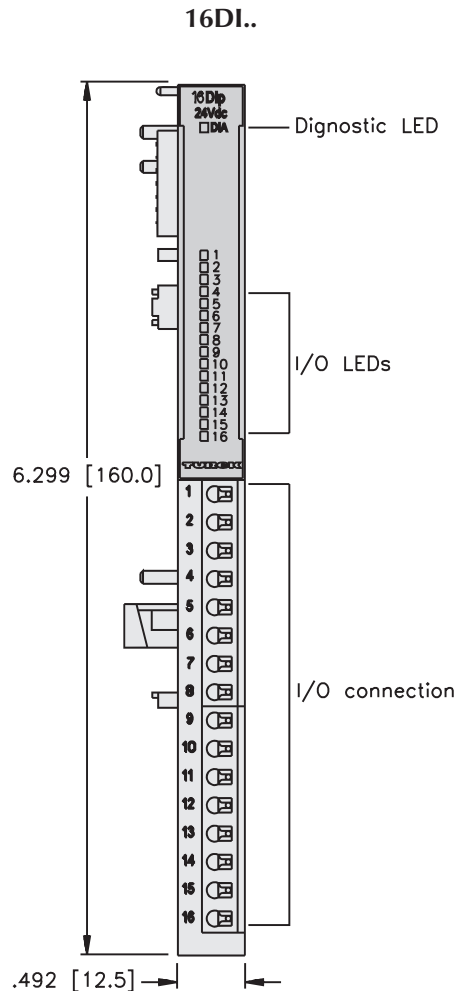
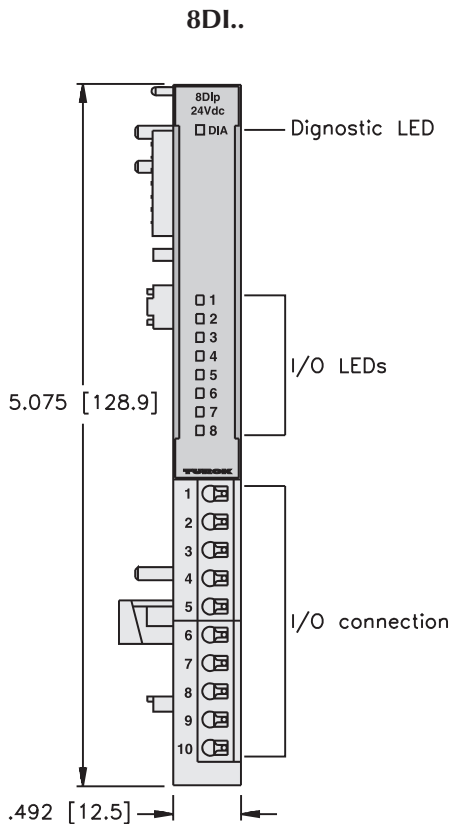
- Inputs:  $V_{IO}$
- Logic:  $V_{MB}$  and  $V_{IO}$

**Mechanical**

- Operating Temperature: 0 to +55°C (+32 to +131°F)
- Protection: IP 20

**Diagnostics**

- LED to indicate module bus communication status as well as I/O diagnostics
- LEDs for each I/O point to indicate on/off status



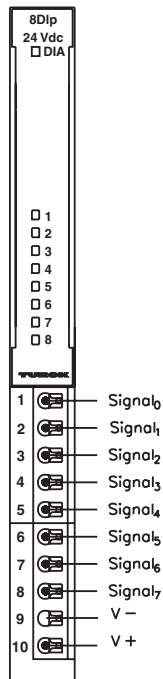
Inputs	Data
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Part Number	Count	Pinout	Style	Group Diagnostics	Individual Diagnostics	Wire-Break Detection	I/O Map
BL20-E-8DI-24VDC-P	8	B20-E1	PNP				1
BL20-E-16DI-24VDC-P	16	B20-E2	PNP				2

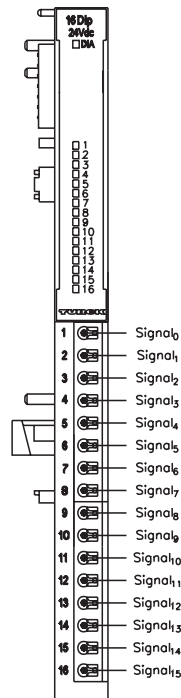
Note: This module can only be used with other tension clamp modules.

### Input Connectors

**B20-E1**



**B20-E2**



**I/O Data Map 1**

In	Byte	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	n-1	(Data from modules to the left)							
	n	I-7	I-6	I-5	I-4	I-3	I-2	I-1	I-0
	n+1	(Data from modules to the right)							

**I/O Data Map 2**

In	Byte	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	n-1	(Data from modules to the left)							
	n	I-7	I-6	I-5	I-4	I-3	I-2	I-1	I-0
	n+1	I-8	I-9	I-10	I-11	I-12	I-13	I-14	I-15
n+2	(Data from right)								