

### TBI-24/0C Isolated Digital Input Board



The TBI-24/0 board provides interface between 24 digital signal sources and a digital input port.

### TBI-0/24C Isolated Digital Output Board



The TBI-0/24 board provides interface between the lines of a digital output port and switching devices.

### TBI-16/8 Multipurpose Digital I/O Board



The TBI-16/8 board provides a combination of 16 input and 8 output channels.

## SPECIFICATIONS

Input channels working voltage range: 3 to 52 V

Minimum threshold current for the channel: 4 mA

Input signal delay:

TBI-24/0C-3: 100 ns

TBI-24/0C-1, -2: 25  $\mu$ s

Built-in dry contact power source (for TBI-24/0C-2): 9 V

Power voltage: 5 V  $\pm$ 10%

Current consumption:

TBI-24/0C-1: 250 mA

TBI-24/0C-2: 450 mA

TBI-24/0C-3: 420 mA

Output voltage: up to 60 VDC

Output load current: 800 mA

Channel control lines: TTL levels

Input channels: 16, similar to the ones of the TBI-24/0

Output channels: 8, similar to the ones of the TBI-0/24.

### TBI terminal block boards common specifications:

The boards can be mounted on a DIN-rail. They are equipped with LEDs for channels status monitoring.

Channels: 24, single-ended or differential

Individual channel isolation: 1500 V

Operating temperature: from -40°C to +85°C

RH: up to 95%, noncondensing

## ORDERING INFORMATION

#### DIB91201

TBI-24/0C-1, isolated digital input terminal block board, 24 inputs, 30 kHz

#### DIB91202

TBI-24/0C-2, isolated digital input terminal block board, 24 inputs, 30 kHz, on-board dry contact power supply

#### DIB91203

TBI-24/0C-3, isolated digital input terminal block board, 24 inputs, 10 MHz

**ACS00002** FC26-60, ribbon cable, 26 threads, IDC connector, 0.6 m (2 ft)

#### DIB91301

TBI-0/24C, isolated digital output terminal block board, 24 outputs

**ACS00002** FC26-60, ribbon cable, 26 threads, IDC connector, 0.6 m (2 ft)

#### DIB91501

TBI-16/8, multipurpose terminal board, 16 inputs outputs, 8 outputs

**ACS00002** FC26-60, ribbon cable, 26 threads, IDC connector, 0.6 m (2 ft)