

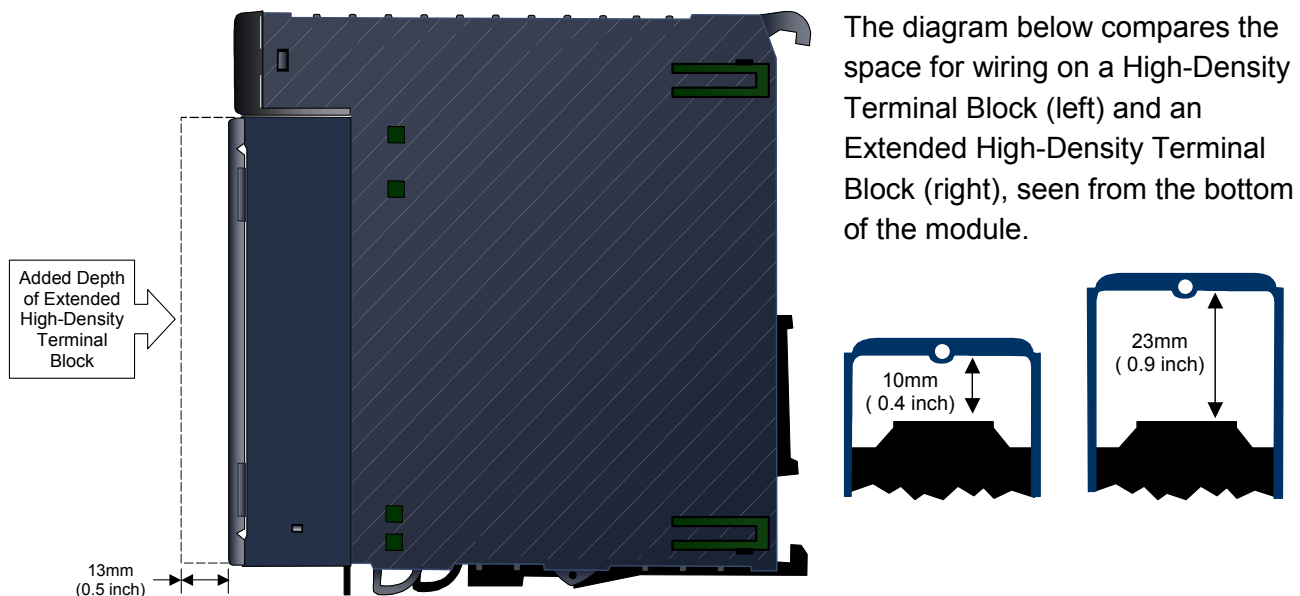
# Chapter 15 *High-density Terminal Blocks*

This chapter describes Terminal Blocks for high-density RX3i modules.

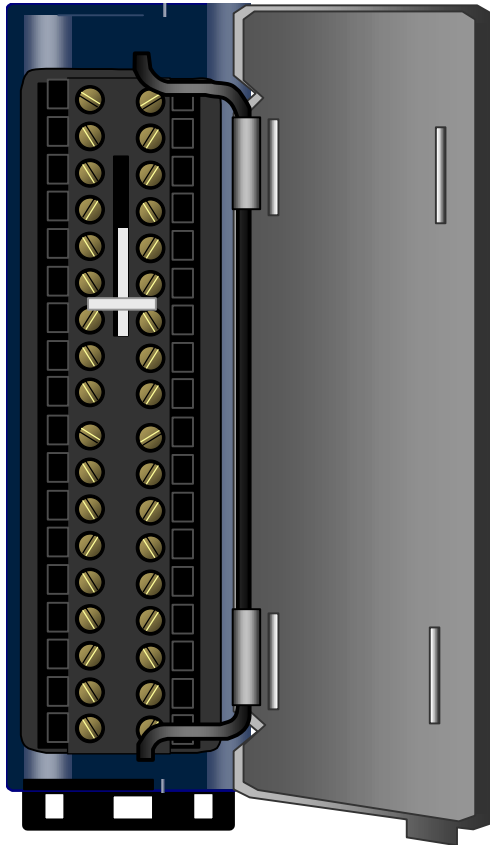
<b>Terminal Block Type</b>	<b>Catalog Number</b>
Box-style Terminal Block, 36 pins, One	IC694TBB032
Spring-style Terminal Block, 36 pins, One	IC694TBS032
Extended Box-style Terminal Block, 36 pins, One	IC694TBB132
Extended Spring-style Terminal Block, 36 pins, One	IC694TBS132

## *Extended High-Density Terminal Blocks*

Extended High-Density Terminal Blocks IC694TBB132 and IC694TBS132 are functionally-identical to High-Density Terminal Blocks IC694TBB032 and IC694TBS032. The Extended High-Density Terminal Blocks have an outer cover that is approximately ½-inch (13mm) deeper, to accommodate wires with thicker insulation, such as that typically used with AC I/O modules.



## Box-style Terminal Blocks, 36 Pins: IC694TBB032 and TBB132



**Box-style Terminal Blocks**, IC694TBB032 and IC694TBB132, are used with high-density PACSystems RX3i modules and equivalent Series 90-30 PLC modules. These terminal blocks provide 36 screw terminals for field wiring to the module.

Terminal Blocks IC694TBB032 and TBB132 are functionally identical. Terminal Block IC694TBB032 comes with a standard-depth outer cover. When installed, it is the same depth as most other PACSystems and Series 90-30 PLC modules.

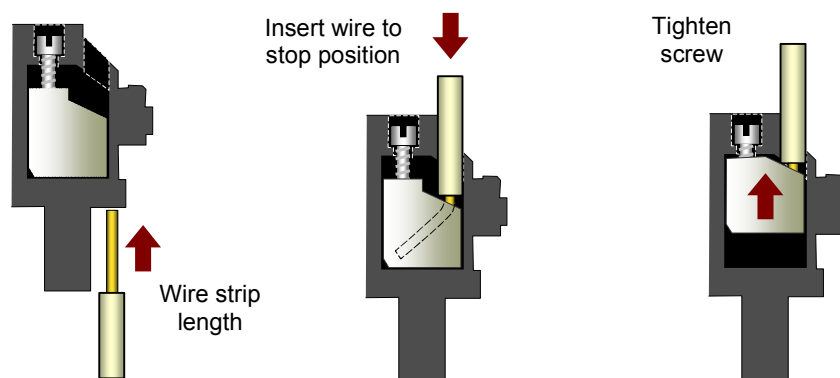
Extended Terminal Block IC694TBB132 comes with an outer cover that is approximately ½-inch (13mm) deeper than Terminal Block IC694TBB032, to accommodate wires with thicker insulation, such as that typically used with AC I/O modules.

### Specifications: TBB032 and TBB132

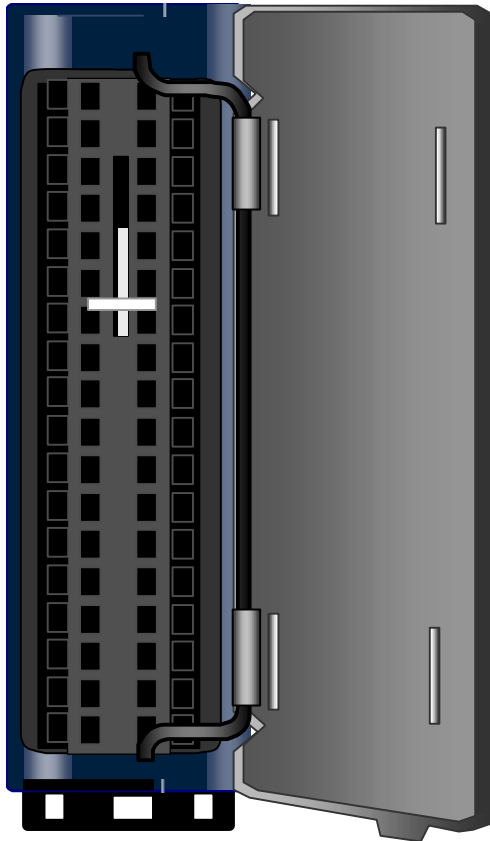
Torque	7 lb-in
Wire strip length	0.310 inches (7.87 mm)
Wire gauges supported	#14-26 AWG (solid or stranded)

### Connecting Field Wiring to a Box-Style High-density Terminal Block

The bottom of the terminal block can be used as a gauge for the wire strip length, as shown below. The stripped wire must be fully-inserted into the terminal block so that the insulation meets the stop position inside the terminal, and the end of the wire is bent. Tightening the terminal screw raises the wire and clamps it in place.



*Spring-style Terminal Blocks, 36 Pins: IC694TBS032 and TBS132*



**Spring-style Terminal Blocks**, IC694TBS032 and IC694TBS132, are used with high-density PACSystems RX3i modules and equivalent Series 90-30 PLC modules. These terminal blocks provide 36 spring-style terminals for field wiring to the module.

Terminal Blocks IC694TBS032 and TBS132 are functionally identical. Terminal Block IC694TBS032 comes with a standard-depth outer cover. When installed, it is the same depth as most other PACSystems and Series 90-30 PLC modules.

Extended Terminal Block IC694TBS132 comes with an outer cover that is approximately 1/2-inch (13mm) deeper than Terminal Block IC694TBS032, to accommodate wires with thicker insulation, such as that typically used with AC I/O modules.

**Specifications: TBS032 and TBS132**

Wire strip length	0.310 inches (7.87 mm)
Wire gauges supported	#14-28 AWG (solid or stranded)

## *Installing and Removing High-density Terminal Blocks*

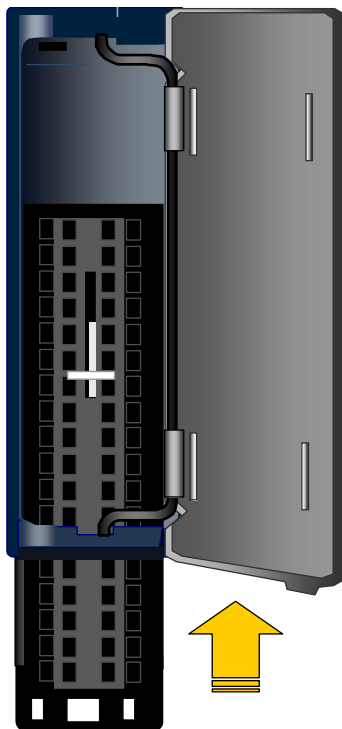
This section has special installation instructions for High-density Terminal Blocks. See chapter 2 for general installation information.

### **Warning**

**Field power must be turned off when installing or removing a Terminal Block assembly.**

## *Installing or Removing a Module's Terminal Block Assembly*

1. Install the small catalog number label (for example: "ALG600") supplied with the module in the slot on the top of the Terminal Block.
2. Complete the module wiring and secure the wire bundles to the tie-downs on the bottom of the Terminal Block

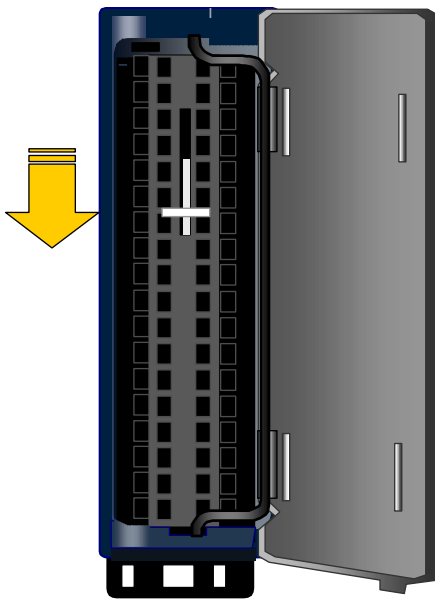
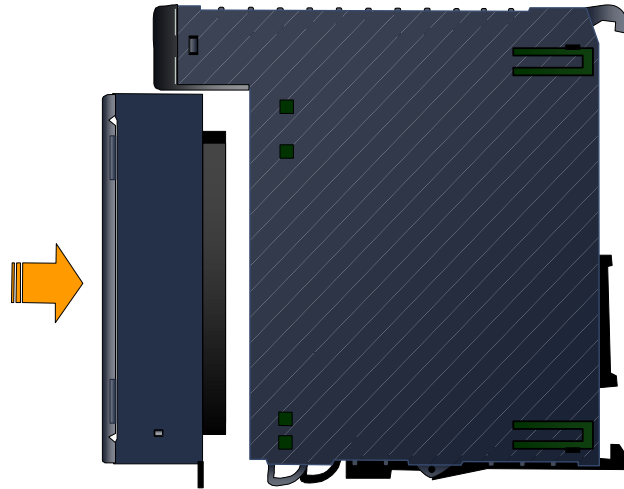


### ***Inserting a Terminal Block in its Cover***

1. Align the top of the Terminal Block with the bottom of the cover, making sure that the notches in the Terminal Block match up with the grooves in the cover.
2. Slide the Terminal Block upward until it clicks into place.

### ***Installing a High-density Terminal Block Assembly***

1. Press the terminal block assembly straight toward the module until it is partially seated.
2. Open the door on the front of the terminal block and push the latch (see below) up very firmly until it reaches the top of the slot and clicks into place.
3. Check to be sure the terminal block is fully seated.



### ***Removing a High-density Terminal Block from the Module***

1. Open the terminal block door.
2. Push the latch down as shown at left very firmly until the terminal block is released.
3. Pull the terminal block away from the module until the contacts have separated.

### ***Removing a Terminal Block from its Cover***

To remove a Terminal Block from its cover:

1. Grasp the sides of the Terminal Block cover.
2. Pull down on the bottom of the Terminal Block.