# GE RX3i PacSystem Series Service Manual

IC694TBB032

## 1. Description

The IC694TBB032 is a High-Density, box-style terminal block that is part of the PACSystem RX3i PAC series formerly by GE Intelligent Platforms, now under Emerson Automation. This terminal block requires tightening torque of 7 lb-in and is designed to accommodate a wire size range of #14-26 AWG solid or stranded wire.

## 2. Specifications

| Specification | Value |
|---|---|
| Brand | GE Fanuc |
| Series | PACSystem RX3i |
| Manufacturer | GE Fanuc |
| Manufacturer | GE Intelligent Platforms (GE IP); Emerson Automation (Current) |
| Part | Number IC694TBB032 |
| Product | Description Box style terminal block |
| Series | PACSystem RX3i |
| Description | Terminal block |
| No. | of terminal 36 terminal |
| Part | Number IC694TBB032 |
| Terminals | 36 |
| Terminal | type Screw type terminals |
| Product | Description Box style terminal block |
| Size | 0.5 inches depth |
| Compatible | modules RX3i and equivalent Series 90-30 High-density I/O modules; Individually isolated, 16-channel modules |
| No. | of pins 36 |
| Tightening | Torque 7 lb-inch |
| Torque | 7 lb-in |
| Stripping | length 0.310 inches of 7.87 mm |
| Wire | Strip Length 0.310 inches (7.87 mm) |
| Wire | size #14-26 AWG (solid or stranded) |
| Wire | size #14-26 American Wire Gauge (AWG) |
| Mounting | Chassis |
| Removable | Yes |
| Wire | type Solid or Stranded wire |
| Wire | Gauge 14-26 AWG |
| Depth | same depth as other PACsystem Rx3i and Series 90-30 modules |
| Connection | Type Screw type |
| Removal | detection Module based |
| Compatible | I/O Modules PACS |

## 3. Product Information

The IC694TBB032 is a High-Density, box-style terminal block that is part of the PACSystem RX3i PAC series formerly by GE Intelligent Platforms, now under Emerson Automation. This terminal block requires tightening torque of 7 lb-in and is designed to accommodate a wire size range of #14-26 AWG solid or stranded wire.

Technical specifications for IC694TBB032

Brand GE Fanuc

Series PACSystem RX3i

Manufacturer GE Fanuc

Manufacturer GE Intelligent Platforms (GE IP); Emerson Automation (Current)

Part Number IC694TBB032

Product Description Box style terminal block

Series PACSystem RX3i

Description Terminal block

No. of terminal 36 terminal

Part Number IC694TBB032

Terminals 36

Terminal type Screw type terminals

Product Description Box style terminal block

Size 0.5 inches depth

Compatible modules RX3i and equivalent Series 90-30 High-density I/O modules; Individually isolated, 16-channel modules

No. of pins 36

Tightening Torque 7 lb-inch

Torque 7 lb-in

Stripping length 0.310 inches of 7.87 mm

Wire Strip Length 0.310 inches (7.87 mm)

Wire size #14-26 AWG (solid or stranded)

Wire size #14-26 American Wire Gauge (AWG)

Mounting Chassis

Removable Yes

Wire type Solid or Stranded wire

Wire Gauge 14-26 AWG

Depth same depth as other PACsystem Rx3i and Series 90-30 modules

Connection Type Screw type

Removal detection Module based

Compatible I/O Modules PACSystem RX3i High-Density I/O Modules; Series 90-30 Equivalent modules

No. of units per module One (1) per high-density module

PACSystem RX3i High-Density I/O Modules Series 90-30 Modules

Product Lifecycle Active

Supported Removal and Insertion Under Power

Not supported Weight

0.35 lbs Product Lifecyle

The IC694TBB032 is a terminal block component that is mainly part of the PACSystem RX3i Programmable Automation Controller (PAC) series. This series is formerly produced by GE Intelligent Platforms (GE IP) however, recently acquired by Emerson Automation. This module is a 36-pin, box-style terminal block that comes with screw-type connections. The IC694TBB032 is designed to be used with High-density I/O modules particularly, discrete input and output modules. It is also compatible with some Series 90-30 I/O modules. This terminal assembly comes in Two (2) parts, the module cover and the terminal block itself. These components are assembled together which is then attached to the I/O module. Recommended wire size for signal termination must be # 14-26 American Wire Gauge (AWG), solid or stranded copper wire. Each conductor must be stripped at a maximum length of 0.310 inches o7 7.87 mm from the tip to properly terminate. The terminal block is also provided with a stripping reference at the bottom which can be used to comply with the recommended stripping length. Each connection must be tightened up to 7 lb-in. Removable terminal blocks such as the IC694TBB032 are designed to provide modularity and ease of maintenance. In case of a module failure, the electronic assembly can be easily replaced without the need of dismantling the existing connections. This effectively lessens the downtime or maintenance time of the module and simplifies the troubleshooting method however, during replacement of electronics assembly, it is recommended to remove power from the module to prevent possible equipment damage.

The GE Fanuc IC694TBB032 terminal block is a terminal block from the RX3i series. It is equipped with 36 pins for connections. The front of the block has a terminal block door and the rear end of the block is designed with open architecture. The outer cover of the block has thicker insulation than the inner section to accommodate the thicker wires. The terminal block is a box-style block and it is made of high-quality materials. It is a high strength and compact component. This box-style terminal block is 0.5 inches deep and is able to accommodate the 0.31-inch strip wire. The IC694TBB032 terminal block can be used with high-density modules and I/O modules. The box has screw terminals that are used for making the connections. The IC694TBB032 terminal block have the same depth as the PAC systems and the GE Series 90-30 modules. The block supports wire gauges between 14 and 26 AWG. The wires may be solid or stranded. The bottom section of the terminal block can be used for the wire strip. The wire should be properly accommodated inside the terminal block for proper insulation inside the terminal. During installation, the wire should be handled carefully and it should not be bent too much. The IC694TBB032 terminal block is easy to manage and install. The block can be easily removed and replaced. The latch should be pushed down after opening the terminal block door. The blocks all slide upwards until the click into place. The terminal block should be installed in a well-ventilated room to maintain the specified operating temperature.