# GE Series 90-30 Series Service Manual

IC693CHS397

## 1. Description

The IC693CHS397 is a 5-slot baseplate from the Series 90-30 Programmable Logic Controller (PLC) platform. Formerly manufactured by GE Fanuc, now under Emerson Automation, this baseplate mainly features Four (4) I/O slots, One (1) CPU slot, One (1) Power Supply slot, and One (1) expansion port. This module supports the installation of standard Series 90-30 I/O modules and specialty modules. It is designed for direct panels through the mounting tabs provided.

## 2. Specifications

| Specification | Value |
|---|---|
| Manufacturer | **GE Fanuc** |
| Series | **Series 90-30** |
| No. | **of CPU slots One (1)** |
| Manufacturer | **GE Fanuc (Former); Emerson Automation (Current)** |
| Part | **Number IC693CHS397** |
| No. | **of Power supply slots One (1)** |
| Series | **Series 90-30** |
| Product | **Type CPU Baseplate** |
| Slot | **assignment CPU / Specialty module: Slot 1 I/O module / Option modules: Slot 2-5 Unnumbered slot: Power supply module Expansion cable: Expansion cable** |
| Product | **Description 5-slot CPU baseplate** |
| Number | **of Slots 5** |
| Default | **rack address Rack number 0** |
| No. | **of I/O slots Four (4)** |
| Number | **of I/O Slots Four (4)** |
| Number | **of permitted CPU baseplate per system: One (1)** |
| Slot | **1 assignment CPU / Specialty modules** |
| I/O | **Expansion Bus Connector 1** |
| Mounting | **Panel Mounting** |
| Slot | **2 - 5 assignment I/O modules / Option modules** |
| Installation | **Rack Rack 0** |
| Current | **load: 270 mA** |
| P/S | **Slot Power Supply Module** |
| Expansion | **Connector Type 25-Pine D-Type Female Connector** |
| Bus | **voltage: +5VDC** |
| Expansion | **slot 25-pin D-shell female connector** |
| Expansion | **and Remote Baseplates Supported** |
| Maximum | **expansion cabl** |

## 3. Product Information

The IC693CHS397 is a 5-slot baseplate from the Series 90-30 Programmable Logic Controller (PLC) platform. Formerly manufactured by GE Fanuc, now under Emerson Automation, this baseplate mainly features Four (4) I/O slots, One (1) CPU slot, One (1) Power Supply slot, and One (1) expansion port. This module supports the installation of standard Series 90-30 I/O modules and specialty modules. It is designed for direct panels through the mounting tabs provided.

Technical specifications for IC693CHS397

Manufacturer GE Fanuc

Series Series 90-30

No. of CPU slots One (1)

Manufacturer GE Fanuc (Former); Emerson Automation (Current)

Part Number IC693CHS397

No. of Power supply slots One (1)

Series Series 90-30

Product Type CPU Baseplate

Slot assignment CPU / Specialty module: Slot 1 I/O module / Option modules: Slot 2-5 Unnumbered slot: Power supply module Expansion cable: Expansion cable

Product Description 5-slot CPU baseplate

Number of Slots 5

Default rack address Rack number 0

No. of I/O slots Four (4)

Number of I/O Slots Four (4)

Number of permitted CPU baseplate per system: One (1)

Slot 1 assignment CPU / Specialty modules

I/O Expansion Bus Connector 1

Mounting Panel Mounting

Slot 2 - 5 assignment I/O modules / Option modules

Installation Rack Rack 0

Current load: 270 mA

P/S Slot Power Supply Module

Expansion Connector Type 25-Pine D-Type Female Connector

Bus voltage: +5VDC

Expansion slot 25-pin D-shell female connector

Expansion and Remote Baseplates Supported

Maximum expansion cable length 50 feet or 15 meters

Product Lifecycle Status* Discontinued/Obsolete

Expansion baseplate Supported

Dimensions 10.43 x 5.12 x 5.59 in

Mounting Panel mounting

Internal Power consumption 270 mA at 5 VDC

Product Lifecycle Discontinued

The IC693CHS397 is a 5-slot baseplate from the Series 90-30 Programmable Logic Controller (PLC) family. During the product series active lifecycle, this hardware was part of GE Fanuc Automation however, the PLC series and other products were recently acquired by Emerson Automation. The IC693CHS397 has a total of Five (5) slots and another uncounted slot that is dedicated to the power supply module. This baseplate has One (1) slot dedicated to the Central Processing Unit (CPU) or specialty modules, Four (4) slots assigned for I/O, and option modules. It is also provided with an expansion slot located on the rightmost side of the hardware which can be used for rack extension. Only One (1) CPU is allowed to be installed on this baseplate. Additionally, the same slot for the CPU (Slot 1) is also designed compatibly with communication modules such as a FIP Remote I/O scanner and similar modules. Slot 2 and other I/O slots come in a unique size that does not fit any other modules. This provides connection safety and prevents damage to other modules during installation. The provided baseplate expansion port is a 25-pin D-shell, female connector mounted on the rightmost side of the hardware. When connecting an expansion cable or implementing multiple expansion baseplates, ensure that the total length of the cable shall not exceed 50 feet or 15 meters. The IC693CHS397 is designed for panel mounting through the provided mounting tabs. This hardware measures 10.43 x 5.12 x 5.59 in. (W x H x D) with an internal power consumption of 270 mA at 5 VDC.

The GE Fanuc IC693CHS397 5-slot baseplate from GE Fanuc Series 90-30 and it is made to host modular CPUs or Central Processing Units, I/O and specialty modules. The IC693CHS397 baseplate has 5 slots for installing a variety of CPUs and other devices that make up a complete PLC or programmable logic controller. Technically, the GE Fanuc IC693CHS397 baseplate has 6 slots total, not just 5, but the first slot on the left is not numbered because it is always and only used for hosting power supply modules. This power supply slot is a different size and shape than the 5 slots that are numbered, and its size and shape can only accommodate a power supply and nothing else. The 5 main slots in the GE Fanuc Series 90-30 IC693CHS397 5-slot CPU baseplate include 1 CPU slot which gives the baseplate its name and 4 non-CPU slots that can host I/O modules. There is also an I/O expansion bus connector at the far right edge of the IC693CHS397 baseplate that can be used to expand the I/O communication capabilities of the baseplate beyond what the 4 I/O slots can handle. Expansion baseplates and remote baseplates can be connected to the IC693CHS397 CPU baseplate as part of a larger PLC system, but a PLC can only have 1 CPU baseplate in it. The CPU baseplate is always installed in rack number 0 in the PLC system. Because the IC693CHS397 CPU baseplate supports a modular CPU, it is easy to replace or upgrade the CPU module when necessary.