GE Series 90-30 Series Service Manual

IC693CHS392

1. Description

The IC693CHS392 is a 10-slot expansion baseplate from the Series 90-30 Programmable Logic Controller (PLC) platform. Formerly manufactured by GE Fanuc, now under Emerson Automation, this baseplate mainly features Ten (10) I/O slots, 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

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Series 90-30**
Manufacturer	**GE Fanuc (Former); Emerson Automation (Current)**
Part	**Number IC693CHS392**
Series	**Series 90-30**
Description	**Expansion baseplate**
Product	**Description 10-slot expansion baseplate**
Voltage	**5 Volts DC**
No.	**of I/O slots Ten (10)**
Current	**150 milliAmps**
No.	**of CPU slots None**
Compatibility	**90-30 PLCs**
Slot	**1-5 assignment I/O modules; Option modules**
P/S	**Slot Power Supply Module**
Installation	**Environment Indoor Environments Only**
Expansion	**slot 25-pin D-shell female connector**
Maximum	**Number of CPUs Supported 7**
Maximum	**expansion cable length 50 feet or 15 meters**
Dimensions	**443 x 142 x 130 millimeters**
Expansion	**baseplate Supported**
Product	**Lifecycle Status* Discontinued/Obsolete**
Dimensions	**17.44 x 12 x 5.59 in**
Mounting	**Panel mounting**
Internal	**Power consumption 150 mA at 5 VDC**
Product	**Lifecycle Discontinued**
The	**IC693CHS392 is a Series 90-30 Platform compatible Expansion baseplate. This hardware allows interconnection of the additional baseplate that hosts Series**

3. Product Information

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Technical specifications for IC693CHS392

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Series Series 90-30

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

Part Number IC693CHS392

Series Series 90-30

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Mounting Panel mounting

Internal Power consumption 150 mA at 5 VDC

Product Lifecycle Discontinued

The IC693CHS392 is a Series 90-30 Platform compatible Expansion baseplate. This hardware allows interconnection of the additional baseplate that hosts Series 90-30 modules to maximize the central controller’s capability and comply with the control requirement of the system especially to accommodate a higher number of I/O points and implement specialty functions. The IC693CHS392 is formerly manufactured by GE Fanuc Automation that is now acquired by Emerson Automation. This baseplate provides Ten (10) installation slots where up to 10 Series 90-30 standard I/O modules and option modules can be installed. This baseplate is compatible for use with CPUs 331, 340, and 341 wherein a maximum of Four (4) baseplates can be interconnected and CPU 350 and higher wherein up to Seven (7) can be installed. When interconnecting baseplates to the CPU baseplate, the maximum cable length must not exceed 50 feet or 15 meters otherwise, the expansion baseplate cannot be recognized by the CPU or the entire configuration is invalid. In addition, intelligent modules such as the PCM, ADC, BEM330, and CMM modules are not compatible with installation to the expansion baseplate. These modules are installed on the CPU baseplate. Aside from the I/O slots, a power supply slot is provided to this baseplate where the power supply module that is used to energize and distribute power is installed. Expansion ports are also available allowing interconnection of other expansion baseplates. This baseplate is designed for panel mounting only, fastened through the provided mounting tabs located on the extreme left and right sides of the hardwire. Proper grounding must also be observed to protect modules and minimize electrical noise.

The IC693CHS392 baseplate is an expansion baseplate by GE Fanuc. It is compatible with a Series 90-30 GE PLC system. It is a PLC chassis but it can also be used as an extension for other I/O that are in a different location. The baseplate is used along with a PLC system or by connecting it with a personal computer that is using a PCI card. It can connect up to 7 CPUs at a time depending upon the CPU model. The baseplate is powered with a voltage rating of 5 Volts DC. It has a current rating of 150 milliAmps. The baseplate is 443 millimeters in length, 142 millimeters in width, and 130 millimeters in height. The IC693CHS392 baseplate is equipped with a 25-pin female D-type I/O expansion connector on the right side for efficient connection with other baseplates. The IC693CHS392 baseplate has a power supply port, a CPU slot, and non CPU slots. It can easily be mounted in a Series 90-30 PLC system. A DIP switch is also present in the baseplate along with all of the slots. The IC693CHS392 baseplate is built with open architecture and it can be easily accessed during the installation and replacement processes. It can be used for indoor applications only and it should be thoroughly protected against water splashes. The baseplate should be kept away from all sources of dust and heat. The expansion slot supports many devices but not intelligent option modules like the PCM, ADC, and CMM devices. During the installation process, the distance between the interconnecting expansion baseplate plate and CPU baseplate should not be more than 15 meters.

Revisions