GE Series 90-30 Series Service Manual

IC693CHS398

1. Description

The IC693CHS398 is a 5-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 Five (5) 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 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 slots, total Six (6)**
Manufacturer	**GE Fanuc (Former); Emerson Automation (Current)**
Part	**Number IC693CHS398**
No.	**of I/O slots Five (5)**
Series	**Series 90-30**
Product	**Type I/O Expansion baseplate**
No.	**of Power supply slots One (1)**
Product	**Description 5-slot Expansion baseplate**
Number	**of Slots 5**
Slot	**assignment I/O module / Option modules: Slot 1-5 Unnumbered slot: Power supply module Expansion: Expansion cable**
No.	**of CPU slots None**
CPU	**Connection Required**
Rack	**address setting via DIP switch settings**
Slot	**1-5 assignment I/O modules; Option modules**
Number	**of CPUs Supported 1**
Compatible	**CPUs CPU 331, 340, 341, 350 or higher**
P/S	**Slot Power Supply Module**
Compatible	**CPU Systems PLCs and PCs with Personal Computer Interface Cards**
Compatible	**cables: IC693CBL300 3 feet (1 meter), continuous shield IC693CBL301 6 feet (2 meters), continuous shield IC693CBL302 50 feet (15 meters), continuous shield with built in terminator IC693CBL312 0.5 feet (.15 meters),**

3. Product Information

The IC693CHS398 is a 5-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 Five (5) 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 modules. It is designed for direct panels through the mounting tabs provided.

Technical specifications for IC693CHS398

Manufacturer GE Fanuc

Series Series 90-30

No. of slots, total Six (6)

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

Part Number IC693CHS398

No. of I/O slots Five (5)

Series Series 90-30

Product Type I/O Expansion baseplate

No. of Power supply slots One (1)

Product Description 5-slot Expansion baseplate

Number of Slots 5

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

No. of CPU slots None

CPU Connection Required

Rack address setting via DIP switch settings

Slot 1-5 assignment I/O modules; Option modules

Number of CPUs Supported 1

Compatible CPUs CPU 331, 340, 341, 350 or higher

P/S Slot Power Supply Module

Compatible CPU Systems PLCs and PCs with Personal Computer Interface Cards

Compatible cables: IC693CBL300 3 feet (1 meter), continuous shield IC693CBL301 6 feet (2 meters), continuous shield IC693CBL302 50 feet (15 meters), continuous shield with built in terminator IC693CBL312 0.5 feet (.15 meters), continuous shield IC693CBL313 25 feet (8 meters), continuous shield

Expansion slot 25-pin D-shell female connector

Grounding Common Ground Required

Number of permitted I/O expansion baseplate: CPU 331, 340, 341: Four (4) CPU 350: Seven (7)

Maximum expansion cable length 50 feet or 15 meters

Expansion Connector D-type Female Connector with 25 Pins

Mounting Panel Mounting

Expansion baseplate Supported

Product Lifecycle Status* Discontinued/Obsolete

Current load: 170 mA

Dimensions 10.43 x 5.12 x 5.59 in

Bus voltage: +5VDC

Mounting Panel mounting

Internal Power consumption 170 mA at 5 VDC

Product Lifecycle Discontinued

The IC693CHS398 is an Expansion baseplate from the series 90-30 PLC series, formerly by GE Fanuc now under Emerson Automation. This module is compatible with pairing with a CPU baseplate, connecting via the expansion port of the CPU baseplate. With the utilization of IC693CHS398, a higher number of I/O modules can be controlled by the Central Processing Unit (CPU) module. Depending on the CPU type being used, the number of expansion baseplates allowed, such as the IC693CHS398, per system varies specifically, up to 4 expansion baseplates at a time with any of the CPU 331, 340, and 341 and the up to 7 expansion baseplates at a time with CPU 350 and higher. The IC693CHS398 comes with Five (5) I/O slots that are also compatible with the installation of option modules. These slots are unique in size which prevents improper installation of modules. This baseplate requires a dedicated power supply module to operate. The power supply is mounted via the dedicated Power supply slot located on the left side of the hardware. An expansion baseplate port is also available on the rightmost side of the hardware where additional expansion baseplates can be connected. The IC693CHS398 measures 10.43 x 5.12 x 5.59 in. (W x H x D) with an internal power requirement of 170 mA at 5VDC. Up to a total of 50 feet or 15 meters of interconnecting cable is allowed along the expansion system to ensure continuous communication. This hardware does not support the installation of PCM, ADC, Bus Expansion Module (BEM), and CMM311 modules.

The IC693CHS398 baseplate is manufactured by GE Fanuc as part of Series 90-30 and it is an expansion baseplate. It is made to serve as part of a large-scale industrial control system. The IC693CHS398 expansion baseplate must always connect to the CPU baseplate in a PLC, but it can only connect to 1 CPU baseplate in total. However, it can connect to more than 1 additional expansion baseplate at a time. The total number of expansion baseplates that the GE Fanuc Series 90-30 IC693CHS398 expansion baseplate can connect to at a time depends on the type of CPU. CPU 331, 340, and 341 CPUs can support up to 4 expansion baseplates at a time, and the CPUs with numbers 350 or higher can support as many as 7 expansion baseplates at a time. For safety, the IC693CHS398 expansion baseplate and all the other expansion baseplates in a system must be installed with a common ground. The IC693CHS398 expansion baseplate has 5 slots for installing I/O modules and it connects to other baseplates with its 25-pin D-type female I/O expansion connector on its far right edge.