GE Series 90-70 Series Service Manual

IC697CHS790

1. Description

The IC697CHS790 is a 9-slot, rear mount PLC rack from the Series 90-70 Programmable Logic Controller (PLC) platform. Formerly manufactured by GE Fanuc, now under Emerson Automation, this baseplate mainly features Nine (9) slots and One (1) Power Supply slot. This rack measures 11.15H x 19W x 7.5D (283mm x 483mm x 190mm). It supports extended I/O where Two (2) racks can be extended and share power supply modules.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Series 90-70**
Manufacturer	**GE Fanuc (Former); Emerson Automation (Current)**
Product	**Description 9-slot , rear mount, rack**
Part	**Number IC697CHS790**
Series	**Series 90-70**
No.	**of I/O slots 9 slot plus power supply**
Description	**Programmable controller mounting rack**
Part	**Number IC697CHS790**
Dimensions	**11.15H x 19W x 7.5D (283mm x 483mm x 190mm)**
Voltage	**5 Volts DC**
Product	**Description Standard PLC Rack**
Mounting	**Panel mounting**
Current	**20 Amperes**
Supported	**mounting Rear and Front mounting**
VME	**System designed to support the VME standard C.1**
Dimension	**7.5 x 19 x 11.5 inches**
Rear	**mounting 10" (255 mm) enclosure**
Rack	**extension Supported**
Standard	**VME**
Front	**Mounting 19" Standard rack**
Supported	**Two (2)**
Maximum	**5 Volt Current 20 amps (100 watt 120/240 VAC or 125 VDC power supply) 11 amps (55 watt 120/240 VAC or 125 VDC power supply) 18 amps (90 watt 24 VDC power supply) 18 amps (90 watt 48 VDC power supply)**
Power	**supply extension cable IC697CBL700**
Number	**of Slots 9**
Current	**Required from**

3. Product Information

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Technical specifications for IC697CHS790

Brand GE Fanuc

Series Series 90-70

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

Product Description 9-slot , rear mount, rack

Part Number IC697CHS790

Series Series 90-70

No. of I/O slots 9 slot plus power supply

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Mounting Panel mounting

Current 20 Amperes

Supported mounting Rear and Front mounting

VME System designed to support the VME standard C.1

Dimension 7.5 x 19 x 11.5 inches

Rear mounting 10" (255 mm) enclosure

Rack extension Supported

Standard VME

Front Mounting 19" Standard rack

Supported Two (2)

Maximum 5 Volt Current 20 amps (100 watt 120/240 VAC or 125 VDC power supply) 11 amps (55 watt 120/240 VAC or 125 VDC power supply) 18 amps (90 watt 24 VDC power supply) 18 amps (90 watt 48 VDC power supply)

Power supply extension cable IC697CBL700

Number of Slots 9

Current Required from I/O Bus 0.5 amps

Enclosure Depth 10 inches

I/O References User configurable without the use of module jumpers or DIP switches

Rack Identification Four (4) jumpers behind rack power supply

Dimensions 11.15" (H) 19.00" (W) 7.5" (D) or 283mm (H) x 483mm (W) x 190mm (D)

VME System VME standard C.1

Compatible modules All IC697 modules

Product lifecycle Discontinued

The IC697CHS790 is a 9-slot, rear mount rack that is part of the Series 90-70 Programmable Logic Controller (PLC) series formerly by GE Fanuc Automation, now under Emerson Automation. This hardware provides the mounting location to any IC697 modules via the electronic mounting slots available. It allows any installed module to connect to the backplane to receive backplane power and communicate with an a communication adapter or a Central Processing Unit (CPU). The IC697CHS790 mounting slots are intended to any IC697 modules. Another mounting slot is also provided that is intended for installation of the rack power supply. This rack measures 11.15H x 19W x 7.5D (283mm x 483mm x 190mm) and supports extended I/O where additional Two (2) racks can be extended and share the same power supply module. The IC697CHS790 I/O configuration is softer configurable while rack identification or addressing is provided by the Four (4) jumpers located behind the rack power supply. Being a rear mount rack, a 10” deep space is required to properly install this hardware. In application where heat build-up is a concern, this rack has a specific fan accessory which can be used to prevent the occurrence of such condition. Compatible rack fan assembly includes IC697ACC721 for 120 VAC power source; IC697ACC724 for 240 VAC power source and IC697ACC744 for 24 VDC power source. When utilizing rack extension, appropriate power supply cable for use is required to power up the succeeding rack. Appropriate power supply extension cable has catalog number IC697CBL700 Power supply extension cable kit. aThe IC697CHS790 is a 9-slot, rear mount rack that is part of the Series 90-70 Programmable Logic Controller (PLC) series formerly by GE Fanuc Automation, now under Emerson Automation. This hardware provides the mounting location to any IC697 modules via the electronic mounting slots available. It allows any installed module to connect to the backplane to receive backplane power and communicate with a communication adapter or a Central Processing Unit (CPU). The IC697CHS790 mounting slots are intended for any IC697 modules. Another mounting slot is also provided that is intended for the installation of the rack power supply. This rack measures 11.15H x 19W x 7.5D (283mm x 483mm x 190mm) and supports extended I/O where additional Two (2) racks can be extended and share the same power supply module. The IC697CHS790 I/O configuration is softer configurable while rack identification or addressing is provided by the Four (4) jumpers located behind the rack power supply. Being a rear mount rack, a 10” deep space is required to properly install this hardware. In an application where heat build-up is a concern, this rack has a specific fan accessory that can be used to prevent the occurrence of such a condition. The compatible rack fan assembly includes IC697ACC721 for 120 VAC power source; IC697ACC724 for 240 VAC power source and IC697ACC744 for 24 VDC power source. When utilizing rack extension, an appropriate power supply cable for use is required to power up the succeeding rack. Appropriate power supply extension cable has catalog number IC697CBL700 Power supply extension cable kit.

The IC697CHS790 rack is a programmable controller rack by GE Fanuc. It has a current rating of 20 Amps and a voltage rating of 5 Volts DC. It is a Series 90-70 controller rack with 9 mounting slots. It is used for industrial automation and it can configure the CPU and the input/output module. It is housed inside an enclosure with depth of 10 inches. It is compact in

size and it has dimensions of 7.5 inches in depth, 19 inches in width, and 11.15 inches in height. The IC697CHS790 rack does not require slots or jumpers with the input/output module. The IC697CHS790 rack provides provision for 2-rack operations by using a single power unit for extended I/O requirements. The module supports slot addressing. It allows for the user configuration of I/O point references for switches and jumpers. The IC697CHS790 rack comes with a mechanical interlocking feature that prevents the accidental or unauthorized interchange of one module for another. The bundle of the wire is transported from the bottom of the terminal board to protect the terminal board housing. The IC697CHS790 rack supports the power supply extension cable as an accessory. The extension cable must be secured before the power is applied. To reduce system noise immunity in the rack, the power supply mounting must be secured, the GND terminal should be connected to either side of the rack and also connected to the earth ground. The IC697CHS790 rack also has a ground shield with the bottom rail of the rack. The rack is designed to comply with the VME standards.