GE Series 90-70 Series Service Manual

IC697PWR720

1. Description

The IC697PWR720 is a Series 90-70, Power Supply Adapter module. This module is formerly produced by GE Fanuc, now acquired by Emerson Automation. It delivers 18 Amperes output current and voltage to rack such as 18 Amperes at 5VDC; 2 Amperes at 12 VDC and 1 Ampere at -12 VDC. This module is a single-slot module that is mounted to the Power supply slot.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Series 90-70**
Manufacturer	**GE Fanuc (Former); Emerson Automation (Current)**
Part	**Number IC697PWR720**
Series	**Series 90-70**
Type	**Power Supply adaper module (PSA)**
Product	**Description Power Supply Adapter Module**
Voltage	**5, 12, and -12 VDC**
Output	**voltage to rack +5.02 to +5.12 VDC (5.07 volts nominal); +11.58 to +12.42 VDC (+12 volts nominal); -11.4 to -12.6 VDC (-12 volts nominal)**
Current	**18, 2, and 1 A**
Output	**current to rack: +5 VDC at 18A; +12 VDC at 2A; -12 VDC at 1A**
Current	**required from 5V Bus 50 mA (.250W)**
Current	**Required from 5 V Bus 50 mA (.250W)**
Compatibility	**IC697 and WME integrator rack**
VME	**System designed to support the VME standard C.1**
Voltage	**regulation 5, 12 and -12 VDC**
Dual	**Rack operation Supported**
Jumper	**required When logic is negative**
Power	**Supply Expansion cable IC697CBL700**
Dual	**rack operations Yes**
Mounting	**location Power supply slot**
LED	**Yes**
Slot	**width Single slot**
Accessories	**Yes**
External	**Power supply IC697 power supply or 3rd party Power Supply**
Status	

3. Product Information

The IC697PWR720 is a Series 90-70, Power Supply Adapter module. This module is formerly produced by GE Fanuc, now acquired by Emerson Automation. It delivers 18 Amperes output current and voltage to rack such as 18 Amperes at 5VDC; 2 Amperes at 12 VDC and 1 Ampere at -12 VDC. This module is a single-slot module that is mounted to the Power supply slot.

Technical specifications for IC697PWR720

Brand GE Fanuc

Series Series 90-70

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

Part Number IC697PWR720

Series Series 90-70

Type Power Supply adaper module (PSA)

Product Description Power Supply Adapter Module

Voltage 5, 12, and -12 VDC

Output voltage to rack +5.02 to +5.12 VDC (5.07 volts nominal); +11.58 to +12.42 VDC (+12 volts nominal); –11.4 to –12.6 VDC (–12 volts nominal)

Current 18, 2, and 1 A

Output current to rack: +5 VDC at 18A; +12 VDC at 2A; –12 VDC at 1A

Current required from 5V Bus 50 mA (.250W)

Current Required from 5 V Bus 50 mA (.250W)

Compatibility IC697 and WME integrator rack

VME System designed to support the VME standard C.1

Voltage regulation 5, 12 and -12 VDC

Dual Rack operation Supported

Jumper required When logic is negative

Power Supply Expansion cable IC697CBL700

Dual rack operations Yes

Mounting location Power supply slot

LED Yes

Slot width Single slot

Accessories Yes

External Power supply IC697 power supply or 3rd party Power Supply

Status LED indicator Logicpower

Product Lifecycle Discontinued

The IC697PWR720 is a Power Supply Adapter module (PSA) that is part of the Series 90-70 Programmable Logic Controller (PLC) Platform. This module is formerly manufactured by GE Fanuc however, with the recent acquisition by Emerson Automation, the entire product series and modern product series are now under Emerson Automation. The IC697PWR720 mounts to the Power Supply slot of the Series 90-70 baseplate. The primary purpose of this module is to deliver the necessary voltage and current to the backplane to energize the electronic circuitries of the modules mounted on the baseplate. This module delivers 18 Amperes at 5VDC; 2 Amperes at 12 VDC and 1 Ampere at -12 VDC to the backplane. This PSA module also facilitates implementation of dual rack operation wherein an extension rack is interconnected to the baseplate without installation of a dedicated power supply, sourcing power to the rack where the IC697PWR720 is installed. To implement this supported feature of the IC697PWR720, a power supply extension cable is needed with catalog number IC697CBL700. This module is also designed incompatibility with VME standard C.1 This power supply Adapter module connects to the external power supply to energize the circuitry of the module and operate. Compatible power supplies for this PSA are an IC697 power supply module or a 3rd party external power supply device. The external power supply used with this module must have a minimum hold-up time of 5.05 ms and an input Power OK signal (TTL signal) to implement proper and orderly shutdown of the system.

The IC697PWR720 is a Power Supply Adapter module (PSA) that is part of the Series 90-70 Programmable Logic Controller (PLC) Platform. This module is formerly manufactured by GE Fanuc however, with the recent acquisition by Emerson Automation, the entire product series and modern product series are now under Emerson Automation. The IC697PWR720 mounts to the Power Supply slot of the Series 90-70 baseplate. The primary purpose of this module is to deliver the necessary voltage and current to the backplane to energize the electronic circuitries of the modules mounted on the baseplate. This module delivers 18 Amperes at 5VDC; 2 Amperes at 12 VDC and 1 Ampere at -12 VDC to the backplane. This PSA module also facilitates implementation of dual rack operation wherein an extension rack is interconnected to the baseplate without installation of a dedicated power supply, sourcing power to the rack where the IC697PWR720 in installed. To implement this supported feature of the IC697PWR720, a power supply extension cable is needed with catalog number IC697CBL700. This module is also designed in compatibility with VME standard C.1 This power supply Adapter module connects to the external power supply to energize the circuitry of the module and operate. Compatible power supply for this PSA are IC697 power supply module or a 3rd party external power supply device. The external power supply used with this module must have a minimum hold-up time of 5.05 ms and an input Power OK signal (TTL signal) to implement proper and orderly shutdown of the system.