GE Series 90-70 Series Service Manual

IC697PWR711

1. Description

The GE Fanuc IC697PWR711 is a Power Supply module that is part of the GE Fanuc Series 90-30 platform. This power supply is used can be used to power One (1) or Two (2) racks. It may be configured for 120VAC / 240VAC input dictated by the jumper setting. It has +5VDC and +/-12VDC outputs with load capacity of 100 Watts, maximum.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**90-30 PLC**
Part	**Number IC697PWR711**
Nominal	**rated voltage 120/240 VAC**
Input	**Power 160 watts maximum at full load**
Product	**Type Power Supply Module**
Load	**Capacity 100 Watts**
No.	**of Outputs Three (3)**
Output	**Voltage +5 VDC: 4.90 to 5.25 volts (5.07 volts nominal) +12 VDC: 11.75 to 12.6 volts ' -12 VDC: -12.6 to -11.75 volts**
Input	**Voltage Range, AC 90-132 VAC / 180-264 VAC**
Input	**Frequency Range 47-63 Hz**
Input	**Half Cycle Peak Inrush 55 amps (typical), 77 amps (maximum)**
Overvoltage	**Limit +5 VDC Output: 5.7 to 6.7 volts**
Overcurrent	**limit +5 VDC output: 26 amp, maximum +12 VDC output: 4 amp, maximum -12 VDC output: 2 amp, maximum**
Holdup	**Time: 21 milliseconds minimum**
Type	**Power module**
AC	**Input 90 to 264 VAC**
Frequency	**47 to 63 Hz**
DC	**Input 100 to 150 VDC**
Voltage	**regulation 5, 12, and -12 VDC**
Power	**Factor > 0,93**
Output	**power 100 Watts maximum (total for all 3 outputs)**
Operating	**temmperature 0-60 degrees Celsius**
The	**IC697PWR711 is a power supply module from the Ge Fanuc 90-30 Serie**

3. Product Information

The GE Fanuc IC697PWR711 is a Power Supply module that is part of the GE Fanuc Series 90-30 platform. This power supply is used can be used to power One (1) or Two (2) racks. It may be configured for 120VAC / 240VAC input dictated by the jumper setting. It has +5VDC and +/-12VDC outputs with load capacity of 100 Watts, maximum.

Technical specifications for IC697PWR711

Brand GE Fanuc

Series 90-30 PLC

Part Number IC697PWR711

Nominal rated voltage 120/240 VAC

Input Power 160 watts maximum at full load

Product Type Power Supply Module

Load Capacity 100 Watts

No. of Outputs Three (3)

Output Voltage +5 VDC: 4.90 to 5.25 volts (5.07 volts nominal) +12 VDC: 11.75 to 12.6 volts ' -12 VDC: -12.6 to -11.75 volts

Input Voltage Range, AC 90-132 VAC / 180-264 VAC

Input Frequency Range 47-63 Hz

Input Half Cycle Peak Inrush 55 amps (typical), 77 amps (maximum)

Overvoltage Limit +5 VDC Output: 5.7 to 6.7 volts

Overcurrent limit +5 VDC output: 26 amp, maximum +12 VDC output: 4 amp, maximum -12 VDC output: 2 amp, maximum

Holdup Time: 21 milliseconds minimum

Type Power module

AC Input 90 to 264 VAC

Frequency 47 to 63 Hz

DC Input 100 to 150 VDC

Voltage regulation 5, 12, and -12 VDC

Power Factor > 0,93

Output power 100 Watts maximum (total for all 3 outputs)

Operating temmperature 0-60 degrees Celsius

The IC697PWR711 is a power supply module from the Ge Fanuc 90-30 Series Programmable Logic Controller (PLC) family. This module has a selectable input voltage compatibility such as 120 VAC and 240 VAC, dictated by an external jumper setting. For both the nominal vali input voltages, the applicable voltage range are 90 to132 VAC or 180 to 264 VAC, with frequency of 47 to 63 Hz.

The IC697PWR711 has output voltage supply of +5VDC, 12VDC and -12VDC and logic level sequencing signals towards the backplane. This power supply is mounted on the leftmost location of the 90-30 rack, attached via the 48-pin backplane connector. This power supply is capable of supplying power to a second rack provided that the total load of the additional rack will not exceed the total 100 Watt capacity of the IC697PWR711. Specifically, the 2nd rack must be less than 5.2 amperes. Additionally, powering the 2nd rack requires use of 3-feet connecting cable. The 2nd rack must be within the reach of this cable as it is not designed to operated more than 3 ft.

The has a slide in rack mount construction. The +5VDC delivers maximum output of 18 amperes, +12VDC a maximum output of 2 Amperes and maximum 1 Ampere from the -12VDC output. This power supply has an internal electronic short-circuit and overcurrent protection. For branch circuit fusing, an external switch that is appropriately sized must be installed. This power supply has an ON / OFF switch to put the power supply to active operation.

This module features a slide-in rack construction and 2-rack operation from a single power supply. The GE Fanuc Automation IC697PWR711 power supply module includes electronic short circuit protection and a power factor correction when it is operating with AC voltage. If the GE Fanuc Automation IC697PWR711 power supply module is meant to have continuous operations in environments with high temperatures and low line voltages, its specifications must be derated to guarantee safe operations. Normal operations are only possible with temperatures below 60 degrees Celsius. The GE Fanuc Automation IC697PWR711 power supply module is installed in the left slot of a GE IC697 rack or any VME integrator rack and it is a plug-in module type. This module comes with an input half-cycle peak inrush current of 3 Amps.