GE Series 90-70 Series Service Manual

IC697BEM741

1. Description

The GE Fanuc IC697BEM741 FIP Bus controller for the Series 90-70 FIP Bus controller system. This module is installed in a single slot of the GE IC697 PLC VME integrator rack, and it has draws 1.3 Amps of backplane current at 5 Volts DC.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Series 90-70**
Part	**Number IC697BEM741**
Description	**FIP Bus Controller**
Application	**FIP or WorldFIP (EN50170) Fieldbus Network**
Operating	**Voltage 5.0 Volt DC**
Backplane	**Current 1.3 Amps**
I/O	**Capacity 128 Field Devices**
Location	**IC697 PLC VME Integrator Rack**
Connectors	**Dual FIP Bus Connectors and and a 15-Pin Serial Connector**
LED	**Indicators 6 LEDs**
Configuration	**Windows-based Logicmaster 90-70**
Average	**Weight 4.0 Pounds**
The	**IC697BEM741 FIP Bus controller is a dual-channel bus controller for the GE Fanuc Series 90-70 FIP Bus controller system. This FIP Bus controller allows the GE IC697 PLCs to connect to the 1.0 Megabit FIP or the WorldFIP (EN50170) Fieldbus network. The IC697BEM741 FIP Bus controller can accommodate up to 128 field devices, including a field control I/O module (using the FIP Bus interface unit), FIP field bus network interfaced Series 90-70 and Series 90-30 PLCs, Series 90-30 I/O racks (using FIP remote I/O scanner modules), and generic devices such as bus-**

3. Product Information

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Technical specifications for IC697BEM741

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Series Series 90-70

Part Number IC697BEM741

Description FIP Bus Controller

Application FIP or WorldFIP (EN50170) Fieldbus Network

Operating Voltage 5.0 Volt DC

Backplane Current 1.3 Amps

I/O Capacity 128 Field Devices

Location IC697 PLC VME Integrator Rack

Connectors Dual FIP Bus Connectors and and a 15-Pin Serial Connector

LED Indicators 6 LEDs

Configuration Windows-based Logicmaster 90-70

Average Weight 4.0 Pounds

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The GE Fanuc IC697BEM741 FIP Bus controller occupies a single slot in the GE IC697 PLC VME Integrator rack (the IC697CHS782 or the IC697CHS783 rack). The IC697BEM741 FIP Bus Controller can be configured with the Windows-based Logicmaster Series 90-70 programming software or the CIMPLICITY Control 90 programming software. The IC697BEM741 Bus controller comes with 6 LED indicators on the front panel. The top 2 LED lights (the "MODULE OK" and "RUN" LEDs) show the module's operation status, while the bottom 4 LEDs indicate the communication status on the device. The IC697BEM741 Bus controller also has a pushbutton directly under the LED indicators for local resetting. It comes with a 15-pin serial connector that connects to a PC for upgrading operating firmware, and it also has 2 FIP Bus 9-pin connectors (Channels 1 and 2) for connecting to 2 FIP Busses.