GE Series 90-70 Series Service Manual

IC697MEM713

1. Description

The IC697MEM713 module is a programmable coprocessor module manufactured by GE Fanuc Automation. The module is classified under the Series 90-70 of the GE programmable coprocessor modules.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Series 90-70**
Part	**Number IC697MEM713**
Communication	**Two RS-422/RS-485 or RS-232 serial ports**
Status	**Indication Three LED ports**
Programming	**and Configuration IC647 or IC640 computer, or IBM-compatible PC**
Current	**required from 5V bus 1.0 Amp**
VME	**System designed to support the VME standard C.1**
Error	**checking CPU checksum routine**
MegaBasic	**Supported**
The	**GE Fanuc IC697MEM713 programmable coprocessor module is a high-performance microcomputer that has been designed to perform coprocessor functions and it combines the functions of the communications module and the ASCII module or Basic module. The IC697MEM713 module is made for the Series 90-70 GE Fanuc PLC. It is configured to function with 1 or 2 independent CCM ports or with just a single serial port. The IC697MEM713 module is a programmable coprocessor module and it can be programmed by using a powerful BASIC language known as the MegaBasic. This programming language effectively performs data acquisition, ensures effe**

3. Product Information

The IC697MEM713 module is a programmable coprocessor module manufactured by GE Fanuc Automation. The module is classified under the Series 90-70 of the GE programmable coprocessor modules.

Technical specifications for IC697MEM713

Brand GE Fanuc

Series Series 90-70

Part Number IC697MEM713

Communication Two RS-422/RS-485 or RS-232 serial ports

Status Indication Three LED ports

Programming and Configuration IC647 or IC640 computer, or IBM-compatible PC

Current required from 5V bus 1.0 Amp

VME System designed to support the VME standard C.1

Error checking CPU checksum routine

MegaBasic Supported

The GE Fanuc IC697MEM713 programmable coprocessor module is a high-performance microcomputer that has been designed to perform coprocessor functions and it combines the functions of the communications module and the ASCII module or Basic module. The IC697MEM713 module is made for the Series 90-70 GE Fanuc PLC. It is configured to function with 1 or 2 independent CCM ports or with just a single serial port. The IC697MEM713 module is a programmable coprocessor module and it can be programmed by using a powerful BASIC language known as the MegaBasic. This programming language effectively performs data acquisition, ensures effective data storage, and carries out the function of data retrieval while ensuring real-time computing.

The IC697MEM713 module features a Restart or Reset pushbutton that is used to place the module in "RUN Mode" or the "PROGRAM Mode." Note that pressing the Restart/Reset pushbutton for less than 5 seconds puts the IC697MEM713 module in the "RUN mode." This is referred to as a soft reset. Pressing the Restart/Reset pushbutton for more than 10 seconds makes the PCM enter the "PROGRAM DEVELOPMENT mode." The IC697MEM713 module features up to 3 LED indicators that are found on the top and front of the PCM. The first LED indicator shows the "OFF state," which means that the IC697MEM713 module is not functioning. This can occur in case of hardware malfunctioning. The second LED shows the "ON state," and the LED glows steadily unless there is a problem. The last LED flashes whenever there is a power-up diagnostics process taking place.