GE Series 90-30 Series Service Manual

IC693PCM300

1. Description

The GE Fanuc IC693PCM300 Programmable Coprocessor Module (PCM) is a high-performance microcomputer designed and manufactured to adapt to a wide variety of devices using serial ports for communicating with a Series 90-30 PLC. It can be configured to act as a Communications Coprocessor Module (CCM) or an ASCII/BASIC Module (ABM), depending on the application.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Series 90-30**
Part	**Number IC693PCM300**
Number	**of Serial Ports 2**
CCM	**Operation Supported**
ASCII/BASIC	**Module Operation Supported**
Hot-Swapping	**Not Supported**
Number	**of LEDs 3**
MegaBasic	**Interface Functions Supported**
The	**GE Fanuc IC693PCM300 Programmable Coprocessor Module (PCM) is a solid-state microcomputer module that is made to act as a coprocessor in a GE-Fanuc Series 90-30 PLC. Depending on the application that the PLC is handling, the PCM can function as a Communications Coprocessor Module (CCM) or an ASCII/BASIC Module (ABM). It comes from the factory with 2 serial ports that can be used either as connection points for the Communications Coprocessor Module function or for running the MegaBasic applications. Installing the GE Fanuc IC693PCM300 Programmable Coprocessor Module is very simple because it only occupies a single slot in any Series 90-30 baseplate, but precautions should be taken because it does not allow for hot-swapping operations.**

3. Product Information

The GE Fanuc IC693PCM300 Programmable Coprocessor Module (PCM) is a high-performance microcomputer designed and manufactured to adapt to a wide variety of devices using serial ports for communicating with a Series 90-30 PLC. It can be configured to act as a Communications Coprocessor Module (CCM) or an ASCII/BASIC Module (ABM), depending on the application.

Technical specifications for IC693PCM300

Brand GE Fanuc

Series Series 90-30

Part Number IC693PCM300

Number of Serial Ports 2

CCM Operation Supported

ASCII/BASIC Module Operation Supported

Hot-Swapping Not Supported

Number of LEDs 3

MegaBasic Interface Functions Supported

The GE Fanuc IC693PCM300 Programmable Coprocessor Module (PCM) is a solid-state microcomputer module that is made to act as a coprocessor in a GE-Fanuc Series 90-30 PLC. Depending on the application that the PLC is handling, the PCM can function as a Communications Coprocessor Module (CCM) or an ASCII/BASIC Module (ABM). It comes from the factory with 2 serial ports that can be used either as connection points for the Communications Coprocessor Module function or for running the MegaBasic applications. Installing the GE Fanuc IC693PCM300 Programmable Coprocessor Module is very simple because it only occupies a single slot in any Series 90-30 baseplate, but precautions should be taken because it does not allow for hot-swapping operations.

Devices like industrial computers, peripheral monitors, process controllers can communicate with a GE Fanuc Series 90-30 PLC by using the GE Fanuc IC693PCM300 Programmable Coprocessor Module as an interface or communication gateway. A wide variety of MegaBasic operator interface functions such as data acquisition, data storage and retrieval, and real-time computing can be edited, configured, and adapted for the monitoring and control of different application processes and machinery from the GE Fanuc IC693PCM300 Programmable Coprocessor Module. User memory is maintained on the module even after a power interruption by the use of an internal lithium battery included from the factory. There are 3 status LEDs on the module which include 1 OK LED that indicates the module's status and 2 user-configurable LEDs called User 1 and User 2. The OK LED will be on when the module is working properly, off when the module is not working, and it will be flashing during the power-up diagnosis.