GE Series 90-30 Series Service Manual

IC693CPU340

1. Description

The GE Fanuc IC693CPU340 module is a PLC CPU module. The IC693CPU340 module is based on a 20 Megahertz 80C188XL series microprocessor.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Series 90-30**
Part	**Number IC693CPU340**
Product	**type CPU module**
Clock	**speed 20 Megahertz**
Microprocessor	**80C188XL**
Register	**memory 19.9 kilobytes**
User	**program memory 32 kilobytes**
I/O	**points 512**
Current	**input 490 milliamps**
Voltage	**input 5 Volts DC**
The	**IC693CPU340 module is a 20 Megahertz CPU module for the Series 90-30 PLC systems from GE Fanuc. The IC693CPU340 module is based on the 80C188XL processor. The input points and output points supported by the IC693CPU340 module are 512 of each. The total register memory is 19.9 kilobytes. The maximum user program memory is 32 kilobytes. The IC693CPU340 module does not support floating point math. The IC693CPU340 module uses flash memory for user program storage. Flash memory operations, including the read, write, and verify functions, are accessed from the Program Utilities Function menu or from another Program Utilities screen in the Logicmaster 90-30, 20, or Micro programming software. The State Logic Processor (SLP) modul**

3. Product Information

The GE Fanuc IC693CPU340 module is a PLC CPU module. The IC693CPU340 module is based on a 20 Megahertz 80C188XL series microprocessor.

Technical specifications for IC693CPU340

Brand GE Fanuc

Series Series 90-30

Part Number IC693CPU340

Product type CPU module

Clock speed 20 Megahertz

Microprocessor 80C188XL

Register memory 19.9 kilobytes

User program memory 32 kilobytes

I/O points 512

Current input 490 milliamps

Voltage input 5 Volts DC

The IC693CPU340 module is a 20 Megahertz CPU module for the Series 90-30 PLC systems from GE Fanuc. The IC693CPU340 module is based on the 80C188XL processor. The input points and output points supported by the IC693CPU340 module are 512 of each. The total register memory is 19.9 kilobytes. The maximum user program memory is 32 kilobytes. The IC693CPU340 module does not support floating point math. The IC693CPU340 module uses flash memory for user program storage. Flash memory operations, including the read, write, and verify functions, are accessed from the Program Utilities Function menu or from another Program Utilities screen in the Logicmaster 90-30, 20, or Micro programming software. The State Logic Processor (SLP) module is installed in a Series 90-30 PLC ladder logic control system to provide real-time multi-tasking control for machine applications. The Series 90-30 SLP module can only be installed in a Series 90-30 PLC system that uses a model 331 CPU module, a model 340 CPU module like the IC693CPU340 module, or a model 341 CPU module. The number of 16-channel analog input modules supported by the IC693CPU340 module is 12. The number of 2-channel analog voltage output modules supported by the IC693CPU340 module is 30. The number of 2-channel current output modules supported by the IC693CPU340 module is 15. The number of 8-channel output modules supported by the IC693CPU340 module is 32. The IC693CPU340 module supports 32 high-speed counter modules. The IC693CPU340 module supports 16 I/O processor modules. The current consumption of the IC693CPU340 module is 490 milliamps at 5 Volts DC. The IC693CPU340 module is a modular CPU. GE Fanuc also manufactures embedded CPUs which are comparatively more cost-effective but less powerful than the CPU modules.