GE Versamax Series Service Manual

IC200PBI001

1. Description

The IC200PBI001 module is a Profibus Network Interface Unit or NIU from the Versamax series. It has been designed and manufactured by GE Fanuc.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Versamax**
Part	**Number IC200PBI001**
Description	**Network Interface Unit**
Current	**Consumption 250 milliamperes**
I/O	**Modules 64**
Network	**Address 1-125**
Network	**Data Rate 9.6 K baud - 12 M baud**
User	**Diagnostics Data 5 bytes**
Connector	**9 Pin D-sub**
The	**IC200PBI001 module is a Versamax Network Interface Unit or NIU by GE Fanuc. It is used control the I/O modules. The network interface unit is powered with a power supply that is installed directly on the unit. It consumes 250 milliamps of current from the 5 Volts bus, and 10 milliamps from the 3.3 Volts. There is a total of 64 I/O modules in a single network unit. It can be expanded by using expansion racks. It comes with a Profibus network address from 1 to 125. The network data rate ranges from 9.6 Kbaud to 12 Mbaud. The data rate is detected by the NIU automatically. The IC200PBI001 NIU runs with 5 bytes of memory of user diagnostics data. The front panel of the unit comes with 4 LED indicators to show the power, health, fault**

3. Product Information

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Technical specifications for IC200PBI001

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Series Versamax

Part Number IC200PBI001

Description Network Interface Unit

Current Consumption 250 milliamperes

I/O Modules 64

Network Address 1-125

Network Data Rate 9.6 K baud - 12 M baud

User Diagnostics Data 5 bytes

Connector 9 Pin D-sub

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The IC200PBI001 module's firmware can be updated easily. During the update process, the controller must be switched to the stope mode, and the network cable should be disconnected from the NIU. It can work with 375 bytes of I/O data at a time. The front side has a rotary switch that can be adjusted by using a flat screwdriver. This switch is used to select addresses in the 1-125 range. The IC200PBI001 NIU is easy to install and it can be simply clicked on to the DIN rail. The power supply can be connected to the NIU using a latch. The connectors and the latch should be matched and clicked together. It supports up to 32 stations without using repeaters. It is equipped with a 9-pin D-sub connector.