GE RX3i PacSystem Series Service Manual

IC694BEM321

1. Description

The GE Fanuc IC694BEM321 PACSystems RX3i Controller Module has been designed and is manufactured by GE Fanuc to serve as the master processor in an I/O Link network that can be extended to up to 16 slave devices. A total of 1024 inputs and 1024 outputs can be connected using the GE Fanuc proprietary network protocol I/O Link, making it an ideal solution when the users need an expandable and easy to deploy serial network to control their industrial processes.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**RX3i PacSystem**
Part	**Number IC694BEM321**
Module	**Type I/O Link Interface**
Number	**of Slots 1 (single slot)**
Backplane	**Support Universal Backplane**
I/O	**Points Up to 1024 inputs and 1024 outputs**
Communication	**Port RS485/422**
LEDs	**OK, ACTV, CFG**
Host	**CPUs PACSystems RX3i CPUs**
IP	**Rating IP20**
The	**GE Fanuc IC694BEM321 PACSystems RX3i Controller Module has been designed to serve as the master module in an I/O Link network formed by as many as 16 connected I/O slave modules. With a single GE Fanuc IC694BEM321 PACSystems RX3i Controller Module, it is possible to monitor the state of up to 1024 independent inputs and send out responses through 1024 independent outputs in order to control the application process or machine where the system is implemented. The installation process for this master module is the same as that for any other GE Fanuc module. It can be inserted into any available slot in a GE Series 90-30 PLC backplane or in a GE RX3i system.**

3. Product Information

The GE Fanuc IC694BEM321 PACSystems RX3i Controller Module has been designed and is manufactured by GE Fanuc to serve as the master processor in an I/O Link network that can be extended to up to 16 slave devices. A total of 1024 inputs and 1024 outputs can be connected using the GE Fanuc proprietary network protocol I/O Link, making it an ideal solution when the users need an expandable and easy to deploy serial network to control their industrial processes.

Technical specifications for IC694BEM321

Brand GE Fanuc

Series RX3i PacSystem

Part Number IC694BEM321

Module Type I/O Link Interface

Number of Slots 1 (single slot)

Backplane Support Universal Backplane

I/O Points Up to 1024 inputs and 1024 outputs

Communication Port RS485/422

LEDs OK, ACTV, CFG

Host CPUs PACSystems RX3i CPUs

IP Rating IP20

The GE Fanuc IC694BEM321 PACSystems RX3i Controller Module has been designed to serve as the master module in an I/O Link network formed by as many as 16 connected I/O slave modules. With a single GE Fanuc IC694BEM321 PACSystems RX3i Controller Module, it is possible to monitor the state of up to 1024 independent inputs and send out responses through 1024 independent outputs in order to control the application process or machine where the system is implemented. The installation process for this master module is the same as that for any other GE Fanuc module. It can be inserted into any available slot in a GE Series 90-30 PLC backplane or in a GE RX3i system.

The only prerequisite about the number of GE Fanuc IC694BEM321 PACSystems RX3i Controller Modules that can be installed in a single network is that the network must be able to supply all the necessary power for the connected devices. Each device is powered from the PLC or RX3i backplane, and they each need 5 Volts DC for correct operation. Slave modules are connected in series by using the RS485 or RS422 serial protocols. The GE Fanuc IC694BEM321 PACSystems RX3i Controller Module has a single serial port inside the front protective cover, because it only needs to be connected to the first slave processor. The remaining processors are connected one after the other in a daisy-chain formation. The cable connector used for this I/O Link network comes with 20 pins and is known as the Honda-type connector. The operating status of the module can be verified from the 3 LEDs placed at the top of the front of the device.