GE Series 90-30 Series Service Manual

IC693BEM334

1. Description

The GE Fanuc IC693BEM334 Genius Bus Controller provides the connection interface and communication card needed to make a Series 90-30 or Series 90-70 GE Fanuc PLC interact with up to 31 independent Genius Bus networks or branches. Field devices such as 115 Volts AC I/O blocks, DC I/O blocks, relay output blocks, RTD input blocks, and high-speed counter blocks can be connected into the Genius Bus and exchange data with the main PLC.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Series 90-30**
Part	**Number IC693BEM334**
Type	**of component Genius Bus Controller**
PLC	**Compatibility GE Fanuc 90-30 or 90-70 series**
Communication	**Protocol Supported Genius I/O Bus**
Wiring	**connections To a detachable terminal strip in the module**
User	**configuration Handheld device**
Power	**Supply 5V DC, from PLC backplane**
IP	**Rating IP 20**
The	**GE Fanuc IC693BEM334 Genius Bus Controller is a solid-state module used in a GE Fanuc Series 90-30 or Series 90-70 Programmable Logic Controller (PLC) to provide a gateway for connections with a Genius I/O Bus. It serves as a connection point and communication interface for the Genius I/O hosts to send and receive discrete, analog, or special-purpose signals to the Series 90-30 or 90-70 PLCs to control industrial machinery or application processes. Up to 31 GE Fanuc IC693BEM334 Genius Bus Controllers can be connected to an individual Series 90-30 or 90-70 PLC, with each one forming an independent Genius Bus network or branch that is able**

3. Product Information

The GE Fanuc IC693BEM334 Genius Bus Controller provides the connection interface and communication card needed to make a Series 90-30 or Series 90-70 GE Fanuc PLC interact with up to 31 independent Genius Bus networks or branches. Field devices such as 115 Volts AC I/O blocks, DC I/O blocks, relay output blocks, RTD input blocks, and high-speed counter blocks can be connected into the Genius Bus and exchange data with the main PLC.

Technical specifications for IC693BEM334

Brand GE Fanuc

Series Series 90-30

Part Number IC693BEM334

Type of component Genius Bus Controller

PLC Compatibility GE Fanuc 90-30 or 90-70 series

Communication Protocol Supported Genius I/O Bus

Wiring connections To a detachable terminal strip in the module

User configuration Handheld device

Power Supply 5V DC, from PLC backplane

IP Rating IP 20

The GE Fanuc IC693BEM334 Genius Bus Controller is a solid-state module used in a GE Fanuc Series 90-30 or Series 90-70 Programmable Logic Controller (PLC) to provide a gateway for connections with a Genius I/O Bus. It serves as a connection point and communication interface for the Genius I/O hosts to send and receive discrete, analog, or special-purpose signals to the Series 90-30 or 90-70 PLCs to control industrial machinery or application processes. Up to 31 GE Fanuc IC693BEM334 Genius Bus Controllers can be connected to an individual Series 90-30 or 90-70 PLC, with each one forming an independent Genius Bus network or branch that is able to communicate with the PLC but not with another similar networks or branches.

Many types of field devices are supported by the GE Fanuc IC693BEM334 Genius Bus Controller, including 115 Volts AC I/O blocks, DC I/O blocks, relay output blocks, RTD input blocks, and high-speed counter blocks. The incoming wiring to the GE Fanuc IC693BEM334 Genius Bus Controller is connected to a detachable terminal strip that is secured to the front side of the module. The user configuration of the module is done through a handheld monitor or HHM, which provides the human-machine interface for the machine language. Depending on the length of the Genius network, 75, 100, 120, or 150-ohm terminal resistors might be needed. An important consideration for installing the GE Fanuc IC693BEM334 Genius Bus Controller is to place it in a temperature-controlled and humidity-controlled environment in order to guarantee the best possible operation of the system.