GE Versamax Series Service Manual

IC200BEM003

1. Description

The IC200BEM003 module is a master module manufactured by GE Fanuc that can send and receive data on the PROFIBUS network. It is compatible with the Versamax, PROFINET, and CPU 005 systems.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Versamax**
Part	**Number IC200BEM003**
Description	**VersaMax master module**
Data	**3854 input/output**
Data	**Rate 9.6 k baud to 12 M baud**
Connector	**9 Pin D-sub**
Dimensions	**4.3 x 2.63 x 1.95 inches**
Power	**Consumption 450 milliamperes**
Bus	**Voltage 5 Volts**
Slave	**Devices 125**
Isolation	**(Frame to Ground) 250 Volts AC**
Isolation	**(Network to Backplane) 1500 Volts AC for 1 min.**
The	**IC200BEM003 module is a Versamax master module designed by GE Fanuc. It can easily send/receive data on a V1 PROFINET network. It supports variable data rates. A total of 3584 bytes of input data and 3584 bytes of output data can be processed by using the module. The module features the Sync and Freeze modes. This network interface module data rates ranges between 9.6 k Baud and 12 M baud. The IC200BEM003 module uses the linear bus network topology that is terminated at both of the ends. It uses shielded twister pair cable for data and information transmissions. The network module uses the 9-Pin D-sub connector**

3. Product Information

The IC200BEM003 module is a master module manufactured by GE Fanuc that can send and receive data on the PROFIBUS network. It is compatible with the Versamax, PROFINET, and CPU 005 systems.

Technical specifications for IC200BEM003

Brand GE Fanuc

Series Versamax

Part Number IC200BEM003

Description VersaMax master module

Data 3854 input/output

Data Rate 9.6 k baud to 12 M baud

Connector 9 Pin D-sub

Dimensions 4.3 x 2.63 x 1.95 inches

Power Consumption 450 milliamperes

Bus Voltage 5 Volts

Slave Devices 125

Isolation (Frame to Ground) 250 Volts AC

Isolation (Network to Backplane) 1500 Volts AC for 1 min.

The IC200BEM003 module is a Versamax master module designed by GE Fanuc. It can easily send/receive data on a V1 PROFINET network. It supports variable data rates. A total of 3584 bytes of input data and 3584 bytes of output data can be processed by using the module. The module features the Sync and Freeze modes. This network interface module data rates ranges between 9.6 k Baud and 12 M baud. The IC200BEM003 module uses the linear bus network topology that is terminated at both of the ends. It uses shielded twister pair cable for data and information transmissions. The network module uses the 9-Pin D-sub connector for connections. It is small in size with compact dimensions of 4.3 inches in width, 2.63 inches in height, and 1.956 inches in depth.

The Versamax IC200BEM003 module is an intelligent module that comes with slave status array table, slave diagnostics address, and other features. It consumes a total of 450 milliamps of current from the 5 Volts output. The IC200BEM003 module can be configured by using a host controller with the software utility using the Windows operating system. The front part of the module has LED indicators that illuminate when there is communication activity. The IC200BEM003 module can support up to 125 slave devices and it can be configured by software. The network to frame ground isolation rating is 250 Volts AC, and the PROFIBUS network to backplane rating is 1500 Volts AC for 1 minute. The module has been certified with the UL standard for installation in hazardous areas.