GE Field Control Series Service Manual

IC670GBI001

1. Description

Genius Bus Interface GBI001 GE Fanuc Field Control IC670 IC670G IC670GB IC670GBI IC670GBI00 The GE Fanuc IC670GBI001 bus interface is intended for Field Control series IC670, IC670G, IC670GB, IC670GBI, and IC670GBI00 modules. The unit has a nominal rated voltage of 115 Volts AC and 125 Volts DC. Technical specifications for IC670GBI001

2. Specifications

Specification	Value
Brand	**Allen Bradley / Rockwell Automation**
Series	**Field Control**
Part	**Number IC670GBI001**
Type	**Bus interface unit**
Compatibility	**Field control IC670 / IC670G / IC670GB / IC670GBI / IC670GBI00**
Nominal	**rated voltage 115 Volts AC, 125 Volts DC**
Voltage	**range 90 to 135 Volts AC / 105 to 150 Volts DC**
Frequency	**47 to 63 Hertz**
Power	**at 115 Volts AC 48 Volt-Amps (maximum) at full load**
Power	**at 125 Volts AC 24 Watts (maximum) at full load**
Inrush	**current 20 Amps (peak), 3 milliseconds (maximum)**
Power	**supply output 6.5 Volts DC**
Holdup	**time 20 milliseconds (maximum) Description**
The	**IC670GBI001 bus interface is a GE Fanuc component used with Field Control devices. GE Fanuc is a well-known producer of technical solutions for a variety of industries, and the GE IC670GBI001 bus interface module is resistant to common conditions in industrial environments such as noise, vibration, high and low temperatures, and humidity. The IC670GBI001 bus interface unit has a nominal rated voltage of 115 Volts AC and 125**

3. Product Information

Genius Bus Interface GBI001 GE Fanuc Field Control IC670 IC670G IC670GB IC670GBI IC670GBI00 The GE Fanuc IC670GBI001 bus interface is intended for Field Control series IC670, IC670G, IC670GB, IC670GBI, and IC670GBI00 modules. The unit has a nominal rated voltage of 115 Volts AC and 125 Volts DC. Technical specifications for IC670GBI001

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Series Field Control

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Type Bus interface unit

Compatibility Field control IC670 / IC670G / IC670GB / IC670GBI / IC670GBI00

Nominal rated voltage 115 Volts AC, 125 Volts DC

Voltage range 90 to 135 Volts AC / 105 to 150 Volts DC

Frequency 47 to 63 Hertz

Power at 115 Volts AC 48 Volt-Amps (maximum) at full load

Power at 125 Volts AC 24 Watts (maximum) at full load

Inrush current 20 Amps (peak), 3 milliseconds (maximum)

Power supply output 6.5 Volts DC

Holdup time 20 milliseconds (maximum) Description

The IC670GBI001 bus interface is a GE Fanuc component used with Field Control devices. GE Fanuc is a well-known producer of technical solutions for a variety of industries, and the GE IC670GBI001 bus interface module is resistant to common conditions in industrial environments such as noise, vibration, high and low temperatures, and humidity. The IC670GBI001 bus interface unit has a nominal rated voltage of 115 Volts AC and 125 Volts DC and an input frequency range of 47 to 63 Hertz. The voltage range of the unit is 90 to 135 Volts AC and 105 to 150 Volts DC. The IC670GBI001 bus interface module has a power consumption rating of 48 Volt-Amps (maximum) at 115 Volts AC at a full load and a power consumption of 24 Watts (maximum) at 125 Volts AC at a full load. The unit has a holdup time of 20 milliseconds and a power supply output voltage of 6.5 Volts DC.

The IC670GBI002 bus interface module operates perfectly with other components like a bus interface unit power supply and a bus interface unit terminal block. The IC670GBI001 module has a top-quality housing made from aluminum and it includes LED indicators for status updates along with an HHM connector for a hand-held monitor. The IC670GBI001 bus interface unit has a logic power supply and it features configuration files that are stored in the memory of the terminal block. The 4 included indicators are the "PWR," "OK," "RUN" and "BUS B" LEDs. The LEDs indicate the proper functioning of the module and the status of communication with the CPU. Since the IC670GBI002 unit can be used on a DC power supply, the backplane current may be limited by lower input voltages.