GE Field Control Series Service Manual

IC670FBI001

1. Description

Field Bus Interface for FBI001 GE Fanuc Field Control IC670 IC670F IC670FB IC670FBI IC670FBI00 The Field Control IC670FBI001 I/O base has a nominal rated voltage of 115 Volts AC and 125 Volts DC, along with an input frequency range of 47 to 63 Hertz. The base unit is manufactured by GE Fanuc and it consumes 48 Volt-Amps of power at 115 Volts AC and 24 Watts of power at 125 Volts AC. Technical specifications for IC670FBI001

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Field Control**
Part	**Number IC670FBI001**
Type	**I/O base**
Style	**Connector / hot insertion**
Compatibility	**IC670C / IC670CH / IC670CHS**
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	**IC670FBI001 I/O Base is a GE Fanuc I/O base for the GE Field Control series. The base unit is a connector style base that supports hot insertion and that is intended for products with the numbers IC670C, IC670CH, and IC670CHS in their catalog numbers. The IC670FBI001 Field Control Base Unit features a terminal block with barrier terminals that have keying slots that allow for the proper installation of the modules. The I/O terminal block has a hot-insertion featur**

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Series Field Control

Part Number IC670FBI001

Type I/O base

Style Connector / hot insertion

Compatibility IC670C / IC670CH / IC670CHS

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 IC670FBI001 I/O Base is a GE Fanuc I/O base for the GE Field Control series. The base unit is a connector style base that supports hot insertion and that is intended for products with the numbers IC670C, IC670CH, and IC670CHS in their catalog numbers. The IC670FBI001 Field Control Base Unit features a terminal block with barrier terminals that have keying slots that allow for the proper installation of the modules. The I/O terminal block has a hot-insertion feature for the installation of modules and for providing a secure method of module installation. The IC670FBI001 Base has a projecting alignment slot which allows for the easy installation of modules and which does not affect other devices connected in the system. Even though installation of modules will not require the usage of any special tools, the users must be aware that proper alignment and secured cable connections are obligatory for the system to work properly.

The GE Fanuc IC670FBI001 I/O Base is connected to a power source with voltage range of 90 to 135 Volts AC or 105 to 150 Volts DC. The nominal rated voltage is 115 Volts AC and 125 Volts DC. In addition to that, the terminal block has a standard input frequency of 47 to 63 Hertz. The voltage of the power supply output is 6.5 Volts DC and the maximum holdup time is 20 milliseconds. When the product is connected to a 115 Volts AC power source, the maximum power consumption rating at a full load is 48 Volt-Amps. On the other hand, the maximum power consumption at a full load with 125 Volts AC voltage is 24 Watts. The inrush current of the IC670FBI001 I/O Base peaks at 20 Amps and the maximum duration is 3 milliseconds.