GE Field Control Series Service Manual

IC670MDL233

1. Description

In Stock! 120VAC Input, 8 Point, Isolated GE Fanuc Field Control MDL IC670 IC670MD IC670MDL The IC670MDL233 isolated input module by GE Fanuc has a rated voltage of 120 Volts AC and a frequency of 47 to 63 Hertz. The user input current of the unit is 13 milliamps per point and it has an input impedance of 10K typical.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Field Control**
Part	**Number IC670MDL233**
Rated	**Voltage 120 Volts AC**
Input	**Voltage Range 0 to 132 Volts DC**
Number	**of Inputs 8**
Input	**Frequency 47 to 63 Hertz**
Current	**(User Input) 13 milli Amps per point at rated voltage**
Isolation	**Voltage 250 Volts AC (continuous) / 1500 Volts AC for 1 minute**
Input	**Impedance 10K typical**
On-state	**Voltage 70 to 120 Volts AC**
Off-state	**Voltage 0 to 20 Volts AC**
On-state	**Current 5 to 15 milliamps**
Off-state	**Current 0 to 2.5 milliamps**
Response	**Time (On) 10 milliseconds (typical) / 20 milliseconds (maximum)**
Response	**Time (Off) 20 milliseconds (typical) / 40 milliseconds (maximum) Description**
The	**IC670MDL233 input module is designed and produced by GE Fanuc and it features 120 Volts AC isolated inputs. This Field Control module has 8 discrete inputs and it has a frequency of 50 to 60 Hertz. The module requires bus interface power and the attached input devices are powered by an internal power supply. The module has a "PWR" LED for indicating the**

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Technical specifications for IC670MDL233

Brand GE Fanuc

Series Field Control

Part Number IC670MDL233

Rated Voltage 120 Volts AC

Input Voltage Range 0 to 132 Volts DC

Number of Inputs 8

Input Frequency 47 to 63 Hertz

Current (User Input) 13 milli Amps per point at rated voltage

Isolation Voltage 250 Volts AC (continuous) / 1500 Volts AC for 1 minute

Input Impedance 10K typical

On-state Voltage 70 to 120 Volts AC

Off-state Voltage 0 to 20 Volts AC

On-state Current 5 to 15 milliamps

Off-state Current 0 to 2.5 milliamps

Response Time (On) 10 milliseconds (typical) / 20 milliseconds (maximum)

Response Time (Off) 20 milliseconds (typical) / 40 milliseconds (maximum) Description

The IC670MDL233 input module is designed and produced by GE Fanuc and it features 120 Volts AC isolated inputs. This Field Control module has 8 discrete inputs and it has a frequency of 50 to 60 Hertz. The module requires bus interface power and the attached input devices are powered by an internal power supply. The module has a "PWR" LED for indicating the condition of the backplane power and there are dedicated LED indicators for the on and off status of the inputs. The IC670MDL233 input module has an input voltage range of 0 to 132 Volts AC and it responds within 10 to 20 milliseconds. The off-state response time is 20 to 40 milliseconds. The IC670MDL233 input module has a typical impedance of 10K and an on-state current of 5 to 15 milliamps. Also, the module has an off-state current of 0 to 2.5 milliamps.

The on-state voltage of the IC670MDL233 input module is 70 to 120 Volts AC while the off-state voltage is 0 to 20 Volts AC. As far as the isolation characteristics are concerned, the isolation voltage of the unit is 250 Volts AC for continuous work and 1500 Volts AC for 1 minute. The IC670MDL233 input module offers filtering of the input signal due to the functionality of the internal parts. Also, the module has special isolators that enable isolation between different components of the module. The data buffer of the IC670MDL233 module contains data from all 8 inputs and the featured circuit LED indicators display the status of inputs. The module has a maximum bus interface current draw of 40 milliamps.