GE Field Control Series Service Manual

IC670MDL241

1. Description

240VAC Input, 16 Point, 2 Groups of 8 MDL2471 GE Fanuc Field Control GE IC670MD IC670MDL The GE Fanuc Field Control IC670MDL241 input module features 16 inputs that are arranged in 2 isolated groups. The inputs can operate at a voltage of 0 to 265 Volts AC at 47 to 63 Hertz. Technical specifications for IC670MDL241

2. Specifications

Specification	Value
Manufacturer	**GE Fanuc**
Series	**Field Control**
Part	**Number IC670MDL241**
Product	**Type Input Module**
Number	**of Inputs 16**
Number	**of Input Groups 2**
Voltage	**Type AC**
Rated	**Voltage 240 Volts AC**
Input	**Voltage 0 to 265 Volts AC**
Frequency	**47 to 63 Hertz Description**
The	**GE Fanuc IC670MDL241 input module is a discrete input module from the Field Control product series. It is an AC voltage module with a voltage rating of 240 Volts AC. The 16 input points that it is equipped with are divided into 2 isolated groups. These isolated input groups both need to draw their power from an external AC power supply (1 external power supply per group for a total of 2 external power supplies, while the module itself gets its power from the Bus Interface Unit or BIU that it is installed with. The inputs on the IC670MDL241 module will respond to voltage levels between 0 and 265 Volts AC at 47 to 63 Hertz. The BIU not only powers the whole module but it can also provide the module with intelligent processing features li**

3. Product Information

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Series Field Control

Part Number IC670MDL241

Product Type Input Module

Number of Inputs 16

Number of Input Groups 2

Voltage Type AC

Rated Voltage 240 Volts AC

Input Voltage 0 to 265 Volts AC

Frequency 47 to 63 Hertz Description

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The GE Fanuc Field Control IC670MDL241 input module is made to operate within a system of capacitors and resistors that will provide the module with input filtering by establishing the input thresholds required to provide the filtering. The complete system also includes optoisolators that provide the isolation between the logic components in the module and the field inputs, and a data buffer that stores data from all 16 of the module’s inputs. The on response time and off response time ratings for each input are both 20 milliseconds. The on-state current rating for the IC670MDL241 input module is 4 to 10 milliamps while the off-state current rating is 0 to 1.5 milliamps.