GE Versamax Series Service Manual

IC200MDL644

1. Description

The IC200MDL644 Discrete Input Module is a GE Fanuc 5/12 Volts DC positive/negative logic input module which has 32 input points arranged in 4 groups. It comes with 0 to 15 Volts DC of input voltage, 2.4K Ohms of input impedance, and 140 milliamps of backplane current consumption at 5 Volts.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Versamax**
Part	**Number IC200MDL644**
Product	**Description Discrete Input Module**
Module	**ID 80088008**
Number	**of Points 32 Inputs**
Number	**of groups 4**
Input	**Voltage 0-15 Volts DC, 5/12 Volts DC nominal**
User	**Input Current 1.8 mA at 5 VDC, 4.9 mA at 12 VDC**
Input	**Impedance 2.4K Ohms**
Group	**to Group Isolation 250 VAC continuous, 1500 VAC for 1 min.**
Point	**to Point Isolation None**
LED	**Indicators One LED per point, and one "OK" LED**
Backplane	**Current Consumption 5 Volts, 140 milliamps**
External	**Power Supply None**
The	**IC200MDL644 Discrete Input Module is a 5/12 Volts DC Versamax positive/negative logic input module designed by GE Fanuc. The inputs of the module can act as both positive and negative logic inputs. The IC200MDL644 Versamax Discrete Input Module has 4 input groups which have 8 discrete inputs each. It can receive or send current with input devices that can be connected between the common terminal and the input terminal. It is recommended to configure the inputs into negative**

3. Product Information

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Technical specifications for IC200MDL644

Brand GE Fanuc

Series Versamax

Part Number IC200MDL644

Product Description Discrete Input Module

Module ID 80088008

Number of Points 32 Inputs

Number of groups 4

Input Voltage 0-15 Volts DC, 5/12 Volts DC nominal

User Input Current 1.8 mA at 5 VDC, 4.9 mA at 12 VDC

Input Impedance 2.4K Ohms

Group to Group Isolation 250 VAC continuous, 1500 VAC for 1 min.

Point to Point Isolation None

LED Indicators One LED per point, and one "OK" LED

Backplane Current Consumption 5 Volts, 140 milliamps

External Power Supply None

The IC200MDL644 Discrete Input Module is a 5/12 Volts DC Versamax positive/negative logic input module designed by GE Fanuc. The inputs of the module can act as both positive and negative logic inputs. The IC200MDL644 Versamax Discrete Input Module has 4 input groups which have 8 discrete inputs each. It can receive or send current with input devices that can be connected between the common terminal and the input terminal. It is recommended to configure the inputs into negative logic, in order to be compatible with the TTL devices. It also offers input response time configuration facilities and 0 milliseconds, 1.0 millisecond, or 7.0 milliseconds of software configurable filter time.

The IC200MDL644 Discrete Input Module is suitable to use with a wide variety of input devices to bring the data to the system. The intelligent processing of the received data is done by the CPU connected to the module. This module is available with 0 to 15 Volts DC and 5/12 Volts DC of input voltage, 1.8 milliamps of user input current, and 2.4k Ohms of input impedance. The user can connect each group of inputs to either positive or negative logic, and all groups have a common connection. During the installation, make sure to disconnect the field power from the module. The common terminal of the module will be connected to the ground. The IC200MDL644 Discrete Input Module has 4.2 to 15 Volts DC of onsstate voltage and 0 to 2.6 Volts DC of off-stage voltage. The power for module operation is provided by the backplane. The backplane current consumption is a maximum of 140 milliamps at 5 Volts output voltage.