GE Versamax Series Service Manual

IC200MDL640

1. Description

The IC200MDL640 Discrete Input Module is a 24 Volts DC Versamax positive/negative logic input module manufactured by GE Fanuc. It consists of 16 inputs in 2 groups, 0 to 30 Volts DC of input voltage, and 10K Ohms of input impedance.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Versamax**
Part	**Number IC200MDL640**
Product	**Description Discrete Input Module**
Module	**ID FFFF8008**
Number	**of Points 16 Inputs**
Number	**of groups 2**
Input	**Voltage 0-30 Volts DC, 24 Volts DC nominal**
Input	**Impedance 10K 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 1 "OK" LED**
Backplane	**Current Consumption 5 Volts, 25 milliamps**
External	**Power Supply None**
The	**IC200MDL640 Discrete Input Module is a GE Fanuc 24 Volts DC positive/negative logic input module with 16 input points in the Versamax seires. The 16 inputs are divided into 2 groups. The inputs can have either positive or negative logic. The positive inputs receive the current from the input devices and the negative inputs send the current to the input devices. The input devices can be connected between the common terminal and the input terminal. The backplane provides the power required for the operation of the module. The backpla**

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Technical specifications for IC200MDL640

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Series Versamax

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Module ID FFFF8008

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Number of groups 2

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Input Impedance 10K 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 1 "OK" LED

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External Power Supply None

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The IC200MDL640 Discrete Input Module has 1 LED indicator for each point. It does not need any thermal derating or an external power supply. The input response time of the module is a configurable parameter that can be configured easily. The configurable filter time includes 0 milliseconds minimum, 1.0 millisecond as the default value, and 7.0 milliseconds maximum. The input voltage of the module is 0 to 30 Volts DC and 24 Volts DC nominal. It comes with 15 to 30 Volts DC of on-state voltage and 0 to 5 Volts DC of off-state voltage. The basic on/off response time of an input is 0.5 milliseconds. The users are advised to use a shorting bar with the B Terminal to arrange additional bussed terminals during field wiring. The IC200MDL640 Discrete Input Module supports hot insertion. However, additional care must be taken during installation to avoid backplane disruptions.