GE Versamax Series Service Manual

IC200MDD851

1. Description

The IC200MDD851 module is a discrete I/O module manufactured by the GE Fanuc Automation. It belongs to the Versamax product line.

2. Specifications

Specification	Value
Brand	**GE Intelligent Platforms/Intelligent Platforms**
Series	**Versamax**
Part	**Number IC200MDD851**
Bulletin	**IC200**
Product	**Type Discrete I/O Module**
I/O	**Points 16**
Input	**Types Positive/Negative Logic**
Output	**Types Sourcing/Positive Logic**
Output	**Load Source of Power External**
Module	**Processing NIU/CPU**
LED	**Indicators Yes**
Discrete	**Input Data 4 bits**
Discrete	**Output Data 8 bits**
The	**IC200MDD851 discrete I/O module is a product of GE Fanuc Automation that is manufactured as part of the Versamax product family. This module has 2 groups of 8 discrete outputs each, for a total of 16 outputs. Each group contains either positive or negative logic inputs, and the positive inputs draw their current from the input devices then return it to the common. On the other hand, the negative logic inputs do the reverse, receiving their current from the common then returning it to the input device. This gives the module even more versatile in terms of functionality. The input devices are all connected between the input a**

3. Product Information

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Technical specifications for IC200MDD851

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Series Versamax

Part Number IC200MDD851

Bulletin IC200

Product Type Discrete I/O Module

I/O Points 16

Input Types Positive/Negative Logic

Output Types Sourcing/Positive Logic

Output Load Source of Power External

Module Processing NIU/CPU

LED Indicators Yes

Discrete Input Data 4 bits

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The backplane of the PLC powers the GE Fanuc IC200MDD851 discrete I/O module while the output loads have an external power source. The Central Processing Unit or the Network Interface Unit in the system is used for the intelligent processing of this GE Fanuc module with 4 bits of discrete input data rate and it receives 8 bits of discrete output data. The GE Fanuc IC200MDD851 module features LED indicators that display the on and off statuses of the output and input sources, but the backplane power needs to be working to show these conditions with the LEDs. Additionally, the output LED indicators are dependent on the field power but they are not reliant on the load statuses. The green LED that is the power LED turns on when the IC200MDD851 module is supplied with field power, making it easier to find any power disruption to the different areas.