# GE Versamax Series Service Manual

IC200MDL744

## 1. Description

The IC200MDL744 Discrete Output Module is a 5, 12, or 24 Volts DC rated negative logic output module made by GE Fanuc. It has 32 outputs in 2 groups, and 4.75 to 5.25 Volts DC of output voltage in the TTL mode, 10.2 to 30 Volts DC of output voltage in the 12/24 Volts DC mode, and 5 Volts with 140 milliamps of backplane current consumption.

## 2. Specifications

| Specification | Value |
|---|---|
| Brand | **GE Fanuc** |
| Series | **Versamax** |
| Part | **Number IC200MDL744** |
| Product | **Description Discrete Output Module** |
| Module | **ID 80808080** |
| Number | **of Points 32 Outputs** |
| Number | **of groups 2** |
| Output | **Voltage (5VDC-TTL mode) 4.75 to 5.25 Volts DC, 5 Volts DC nominal** |
| Output | **Voltage (12/24VDC mode) 10.2 to 30 Volts DC, 12/24 Volts DC nominal** |
| Group | **to Group Isolation 250 Volts AC continuous, 1500 Volts AC for 1 minute** |
| Point | **to Point Isolation None** |
| LED | **Indicators One LED per point, OK and FLD PWR LEDs** |
| Backplane | **Current Consumption 5 Volts, 140 milliamps** |
| Protection | **No internal fuse** |
| The | **IC200MDL744 Discrete Output Module is a GE Fanuc 24 Volts DC positive/negative logic output module which has 32 discrete outputs arranged in 2 groups. It offers 16 discrete outputs as well as a DC+ and DC- terminal in each group. The IC200MDL744 Discrete Output Module features sinking type outputs that connect the load to the negative side of the DC power supply. These negative outputs receive current from the load. It also provides backp** |

## 3. Product Information

The IC200MDL744 Discrete Output Module is a 5, 12, or 24 Volts DC rated negative logic output module made by GE Fanuc. It has 32 outputs in 2 groups, and 4.75 to 5.25 Volts DC of output voltage in the TTL mode, 10.2 to 30 Volts DC of output voltage in the 12/24 Volts DC mode, and 5 Volts with 140 milliamps of backplane current consumption.

Technical specifications for IC200MDL744

Brand GE Fanuc

Series Versamax

Part Number IC200MDL744

Product Description Discrete Output Module

Module ID 80808080

Number of Points 32 Outputs

Number of groups 2

Output Voltage (5VDC-TTL mode) 4.75 to 5.25 Volts DC, 5 Volts DC nominal

Output Voltage (12/24VDC mode) 10.2 to 30 Volts DC, 12/24 Volts DC nominal

Group to Group Isolation 250 Volts AC continuous, 1500 Volts AC for 1 minute

Point to Point Isolation None

LED Indicators One LED per point, OK and FLD PWR LEDs

Backplane Current Consumption 5 Volts, 140 milliamps

Protection No internal fuse

The IC200MDL744 Discrete Output Module is a GE Fanuc 24 Volts DC positive/negative logic output module which has 32 discrete outputs arranged in 2 groups. It offers 16 discrete outputs as well as a DC+ and DC- terminal in each group. The IC200MDL744 Discrete Output Module features sinking type outputs that connect the load to the negative side of the DC power supply. These negative outputs receive current from the load. It also provides backplane-powered status indicator LEDs. The backplane current consumption rating at 5 Volts is 140 milliamps maximum. This module doesn’t come with an internal fuse for protection. Each output channel has a status LED to indicate the status of the output.

The IC200MDL744 Discrete Output Module offers a green "FLD PWR" LED for indicating whether the field power is applied to the module, and an "OK" LED to indicate the presence of the backplane power. It also comes with 0.2 milliseconds of on response time and 1 millisecond of off response time. It is recommended to use an external suppression circuit when the inductive loads are connected to the output. The thermal derating of the module depends on several factors such as the ambient temperature, the voltage level, and the orientation of the module. It has 250 Volts AC of continuous user input to logic, user input to frame, and group to group isolation voltage. It has no point to point isolation. The IC200MDL744 Discrete Output Module needs an NIU or CPU in the Versamax PLC to perform intelligent processing for industrial applications.