GE Versamax Series Service Manual

IC200MDL143

1. Description

The GE Fanuc IC200MDL143 Discrete Input Module is made for the Versamax I/O and control system. This module has 8 individually-isolated inputs with 120 Volts AC of operating voltage and 50 milliamps of maximum backplane current consumption.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Versamax**
Part	**Number IC200MDL143**
Description	**Discrete Input Module**
Application	**Versamax I/O and Control System**
Operating	**Voltage 120 Volts AC**
Backplane	**Current Rating 50 milliamps**
Maximum	**Response Time (On) 1 Cycle**
Built-in	**Power Yes**
Number	**of Inputs 8 Discrete Inputs**
Channel	**Isolation Yes**
Location	**Versamax I/O Carriers**
LEDs	**8 Individually Numbered LEDs**
Approximate	**Dimensions 110 x 66.8 x 50.0 Millimeters**
The	**GE Fanuc IC200MDL143 VersaMax Discrete Input Module is a discrete input module for the Versamax I/O system. The IC200MDL143 Input Module provides 8 logic or sourcing inputs that receive current signals from AC input devices and transmit these signals to the CPU or NIU modules as 8-bit discrete input data. The IC200MDL143 Input Module receives input signals from input devices such as sensors, switches, and pushbuttons in a 2-state format (open/closed or on/off) and it requires the CPU or NIU to perform intelligent processing of this data. The IC200MDL143 Input**

3. Product Information

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Technical specifications for IC200MDL143

Brand GE Fanuc

Series Versamax

Part Number IC200MDL143

Description Discrete Input Module

Application Versamax I/O and Control System

Operating Voltage 120 Volts AC

Backplane Current Rating 50 milliamps

Maximum Response Time (On) 1 Cycle

Built-in Power Yes

Number of Inputs 8 Discrete Inputs

Channel Isolation Yes

Location Versamax I/O Carriers

LEDs 8 Individually Numbered LEDs

Approximate Dimensions 110 x 66.8 x 50.0 Millimeters

The GE Fanuc IC200MDL143 VersaMax Discrete Input Module is a discrete input module for the Versamax I/O system. The IC200MDL143 Input Module provides 8 logic or sourcing inputs that receive current signals from AC input devices and transmit these signals to the CPU or NIU modules as 8-bit discrete input data. The IC200MDL143 Input Module receives input signals from input devices such as sensors, switches, and pushbuttons in a 2-state format (open/closed or on/off) and it requires the CPU or NIU to perform intelligent processing of this data. The IC200MDL143 Input Module features a modular, compact design that offers operational flexibility and reduced operating costs. The IC200MDL143 Input Module requires a carrier base for simplified field wiring and it supports hot insertion and removal without re-wiring.

The IC200MDL143 Input Module has 8 individually isolated inputs that are either positive logic or sourcing-type inputs. The IC200MDL143 Input Module has an input rating of 120 Volts AC and an acceptable operating voltage range of 0 to 132 Volts AC (at 47 to 63 Hertz). It uses backplane power for operation and it draws 50 milliamps of maximum backplane current at 5.0 Volts DC. It has an on-state voltage range of 70 to 132 Volts AC and an off-state range of 0 to 20 Volts AC. The IC200MDL143 Input Module has individually-isolated inputs with 1500 Volts AC point to point isolation for 60 minutes and 1500 Volts AC ground isolation for 1 minute. The IC200MDL143 Input Module has a minimum on-state current rating of 5 milliamps and a maximum on-state response time of 1 cycle. The IC200MDL143 Input Module has 8 front-panel LEDs that show individual channel status updates, and it also has a green LED that shows backplane operation.