GE RX3i PacSystem Series Service Manual

IC694MDR390

1. Description

The GE Fanuc IC694MDR390 Input/Output Module is made for the RX3i PacSystem PLCs. This mixed I/O module can have 8 individually isolated sinking/source inputs and 8 individually-isolated normally-open relay outputs in 2 groups of 4 outputs each and it requires a user-supplied external AC/DC power supply for operation.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**RX3i PacSystem**
Part	**Number IC694MDR390**
Description	**Input/Output Module**
Operating	**Voltage 5 to 30 Volts DC/5 to 250 Volts AC**
Switching	**current 2.0 Amps**
I/O	**Capacity 8 Individually-Isolated Input/8 Individually-Isolated Outputs**
Point	**to Point Isolation Yes**
Max	**Backplane Draw 6 Milliamps at 5.0 Volts DC**
Inrush	**Rating 5.0 Amps**
Max	**Response Time 15 Milliseconds**
Number	**of Group 1 Input Group and 2 Output Groups**
LED	**Indicators 16 Individual LEDs**
Installation	**RX3i I/O Backplane Slot**
The	**GE Fanuc IC694MDR390 I/O Module is a mixed I/O module for the RX3i PacSystems PLC system. This module features 8 individually-isolated sinking/source inputs with a single common terminal and 8 individually-isolated NO (Normally Open) relay outputs arranged into 2 groups of 4 output points each. The IC694MDR390 I/O Module’s inputs can be either positive or negative as they sink or source current to or from connected input devices to the common. The IC694MDR390 I/O Module’s input unit is als**

3. Product Information

The GE Fanuc IC694MDR390 Input/Output Module is made for the RX3i PacSystem PLCs. This mixed I/O module can have 8 individually isolated sinking/source inputs and 8 individually-isolated normally-open relay outputs in 2 groups of 4 outputs each and it requires a user-supplied external AC/DC power supply for operation.

Technical specifications for IC694MDR390

Brand GE Fanuc

Series RX3i PacSystem

Part Number IC694MDR390

Description Input/Output Module

Operating Voltage 5 to 30 Volts DC/5 to 250 Volts AC

Switching current 2.0 Amps

I/O Capacity 8 Individually-Isolated Input/8 Individually-Isolated Outputs

Point to Point Isolation Yes

Max Backplane Draw 6 Milliamps at 5.0 Volts DC

Inrush Rating 5.0 Amps

Max Response Time 15 Milliseconds

Number of Group 1 Input Group and 2 Output Groups

LED Indicators 16 Individual LEDs

Installation RX3i I/O Backplane Slot

The GE Fanuc IC694MDR390 I/O Module is a mixed I/O module for the RX3i PacSystems PLC system. This module features 8 individually-isolated sinking/source inputs with a single common terminal and 8 individually-isolated NO (Normally Open) relay outputs arranged into 2 groups of 4 output points each. The IC694MDR390 I/O Module’s inputs can be either positive or negative as they sink or source current to or from connected input devices to the common. The IC694MDR390 I/O Module’s input unit is also compatible with a wide range of industrial input devices including limit switches, electronic switches, and pushbuttons. Each IC694MDR390 I/O Module NO relay output circuit has a switching capacity of 2.0 Amps and they are all compatible with a wide range of field output devices like solenoids, indicators, and motor starters.

The IC694MDR390 I/O Module has a nominal input rating of 24.0 Volts DC and an isolation rating of 500 Volts AC (RMS) between inputs. It has a nominal input current rating of 7.5 milliamps and a maximum input response time of 7.5 milliseconds (on/off). The IC694MDR390 I/O Module has a rated output voltage range of 5 to 30 Volts DC or 5 to 250 Volts AC (at 50 to 60 Hertz) and it has 500 Volts AC (RMS) isolation between each individual output point. Each of the IC694MDR390 I/O Module's output circuits has a minimum possible load of 10.0 milliamps and a maximum load of 2.0 Amps. The outputs have a maximum inrush current rating of 5.0 Amps and a maximum on/off response time of 15 milliseconds. The IC694MDR390 I/O Module is made to be installed in any RX3i PacSystems PLC I/O slot, and it does not support hot insertion or hot removal. The IC694MDR390 I/O Module has 16 front-panel LEDs that shows the on and off status of each I/O point.