GE RX3i PacSystem Series Service Manual

IC695MDL664

1. Description

The IC695MDL664 smart digital input module is a product of GE Intelligent Platforms/GE Fanuc. It is part of the GE Fanuc RX3i series and it has 16 input points with a field input power rating of 24 Volts DC. The 16 input points are grouped into 2 groups with 8 inputs each.

2. Specifications

Specification	Value
Brand	**GE Intelligent Platforms/GE Fanuc**
Series	**RX3i PacSystem**
Part	**Number IC695MDL664**
Product	**Line RX3i**
Catalog	**IC695**
Product	**Type Positive Logic Input Module**
Rated	**Voltage 24 V DC**
Number	**of Inputs 16 (2 isolated groups of 8)**
Frequency	**N/A**
Input	**Current 12.2 mA**
Input	**Voltage Range 18 to 32 V DC**
Power	**Consumption at 5 V DC 225 mA**
Power	**Consumption at 3.3 V DC 95 mA**
Group	**to Group Isolation 250 V AC/1500 V AC**
The	**GE Fanuc IC695MDL664 module is a smart digital input module or a positive logic input module. GE Intelligent Platforms/GE Fanuc manufactures it as a member of the GE Fanuc RX3i product line. This module is a 16-point module with a field input power rating of 24 Volts DC, and it has the 16 input points grouped into 2 groups with 8 inputs each. It features an input current of 12.2 milliamps, and an input voltage range of 18 to 32 Volts DC and a consumption rating of 225 milliamps at 5 Volts DC or 95 milliamps at 3.3 Volts DC. Each of the 2 groups of 8 inputs is referenced to one c**

3. Product Information

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Technical specifications for IC695MDL664

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Series RX3i PacSystem

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The GE Fanuc IC695MDL664 module is a smart digital input module or a positive logic input module. GE Intelligent Platforms/GE Fanuc manufactures it as a member of the GE Fanuc RX3i product line. This module is a 16-point module with a field input power rating of 24 Volts DC, and it has the 16 input points grouped into 2 groups with 8 inputs each. It features an input current of 12.2 milliamps, and an input voltage range of 18 to 32 Volts DC and a consumption rating of 225 milliamps at 5 Volts DC or 95 milliamps at 3.3 Volts DC. Each of the 2 groups of 8 inputs is referenced to one common connection. The IC695MDL664 module is compatible with the spring-style or box-style front terminal blocks.

The GE Fanuc IC695MDL664 module also features input characteristics that are well-matched with several input devices, including limit switches, electronic proximity switches, and pushbuttons. The current passing through the input point in the input status table results in a logic 1. The IC695MDL664 module requires a user-supplied power source to operate the field devices. This module has 16 LED indicators, and S1 and S2 indicators to show if the field power is applied to each of the 2 groups as well as to show the terminal block status.

The IC695MDL664 smart digital module also logs "terminal block loss" or "terminal block addition" messages to the input and output fault table to display whether the terminal block has been installed or removed. This module is flexible and it can be installed in any of the input and output slots in the RX3i PLC system.