GE RX3i PacSystem Series Service Manual

IC695HSC304

1. Description

The GE Fanuc RX3i IC695HSC304 module is a high-speed counter module. The IC695HSC304 module supports 4 counters, 8 inputs, and 7 outputs.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**RX3i PacSystem**
Part	**Number IC695HSC304**
Product	**Type High speed counter**
Compatibility	**PACSystems RX3i**
Counters	**4**
Outputs	**7**
Inputs	**8**
Peak	**Module Current Output 10.5 Amps**
Peak	**Channel Current Output 1.5 Amps**
Input	**Voltage 4.7 to 5.5 Volts DC / 10 to 26.4 Volts DC**
The	**IC695HSC304 module is a high-speed counter module. The IC695HSC304 module can be installed in RX3i PacSystems series industrial control systems. Applications that are ideal for high-speed counters include motion control, process control, material handling, and velocity measurement applications. The IC695HSC304 module can be used for processing rapid pulse signals of up to 1.5 Megahertz. The IC695HSC304 module provides 8 high-speed inputs, 7 high-speed outputs, and 1 to 4 counters. Features of the IC695HSC304 module include terminal bock insertion and removal detection, programmable I/O interrupts, upgradable flash memory, and module fault reporting. The module can operate with 2 voltage input ranges of 4**

3. Product Information

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Technical specifications for IC695HSC304

Brand GE Fanuc

Series RX3i PacSystem

Part Number IC695HSC304

Product Type High speed counter

Compatibility PACSystems RX3i

Counters 4

Outputs 7

Inputs 8

Peak Module Current Output 10.5 Amps

Peak Channel Current Output 1.5 Amps

Input Voltage 4.7 to 5.5 Volts DC / 10 to 26.4 Volts DC

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The RX3i PacSystems IC695HSC304 module suffers from thermal derating, which means that if 5 outputs are used at 60 degrees Celsius, then the total current of all the outputs would be 3.75 Amps, while more output channels can be used with smaller loads at a specific temperature. For the IC695HSC304 module, the field to backplane isolation is 1500 Volts AC for 1 minute and it is 250 Volts AC continuous isolation. The field to frame ground, input to output, and output group B to output group A isolation is 500 Volts AC for 1 minute and 50 Volts AC continuous. The current limit is 1.5 Amps continuous. The maximum off-state leakage current per output is 200 microamps. The minimum load current is 0 Amps which can go up to 150 milliamps to satisfy the open load detection.