GE RX3i PacSystem Series Service Manual

IC694DSM314

1. Description

The IC694DSM314 motion mate module from GE Fanuc is an optional accessory for RX3i PLCs. It can work with any RX3i CPU.

2. Specifications

Specification	Value
Manufacturer	**GE Fanuc**
Series	**RX3i PacSystems**
Part	**Number IC694DSM314**
Product	**Type Motion Mate Module**
Compatible	**CPUs All RX3i CPUs**
RX3i	**Serial Expansion Rack Supported**
Series	**90-30 Expansion Rack Supported**
Hot	**Swapping Not Supported**
Control	**Loop Configurations Standard Mode and Follower Mode**
Electronic	**CAM Capability Supported**
The	**GE Fanuc IC694DSM314 motion mate module that is designed to be part of a PLC that is composed of backplanes, CPUs, I/O modules, and other components from the GE RX3i PacSystems series and certain components from other GE series. The IC694DSM314 motion mate module is a special purpose GE module, which means that it is not an essential part for every PLC, but it can be ordered as an optional accessory for PLCs that need to handle specific functions and applications. This module can accommodate any CPU module from the GE RX3i series. The IC694DSM314 motion mate module can be installed in an RX3i serial expansion rack or a Series 90-30 expansion rack, but it shou**

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Technical specifications for IC694DSM314

Manufacturer GE Fanuc

Series RX3i PacSystems

Part Number IC694DSM314

Product Type Motion Mate Module

Compatible CPUs All RX3i CPUs

RX3i Serial Expansion Rack Supported

Series 90-30 Expansion Rack Supported

Hot Swapping Not Supported

Control Loop Configurations Standard Mode and Follower Mode

Electronic CAM Capability Supported

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Attempting to install or remove the GE Fanuc IC694DSM314 motion mate module while the rack has power applied to it is called “hot swapping,” and hot swapping this module may cause electrical arcing which in turn can cause the PLC to operate erratically or even cause an explosion in hazardous environments. Hot swapping this module can also cause injury to the users, damage to the module or the rack, or cause the whole PLC to stop suddenly or to malfunction. At 5 Volts DC, the IC694DSM314 mation mate module handles loads of 800 milliamps or 4 Watts on its own and it can handle loads of an additional 500 milliamps or 2.5 Watts at the same voltage level if it is used with an external controller.