GE Rx7i PACsystem Series Service Manual

IC670ALG310

1. Description

The GE Fanuc Rx7i PACsystem IC670ALG310 module is an isolated analog output module. It has an open architecture design.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Rx7i PACsystem**
Part	**Number IC670ALG310**
Description	**Analog output module**
Voltage	**-10 to 10 Volts**
Over/Under	**Range 50 mV**
Current	**Drawn From Bus 170 mA**
Resolution	**14 bits**
Magnitude	**14 bits**
Input	**Data 0-8 words, 0-3 bytes, 0-2 bytes**
The	**GE IC670ALG310 module is a voltage-source analog output module. It is designed with 8 different channels for voltage outputs that can be auto scaled as configured by the operators. The module takes the input from the bus interface unit that is connected to it and enhances the data for calibration and converts the data into output voltage in a range between -10 and +10 Volts. The IC670ALG310 output module has enhanced diagnostics. It can easily detect over range and under range situations, loss of user power, and an uncalibrated module. The output module also features alarms that can be set by the users for different events. The module treats output values as under range and over range when they do not meet the th 50 millivolts requirem**

3. Product Information

The GE Fanuc Rx7i PACsystem IC670ALG310 module is an isolated analog output module. It has an open architecture design.

Technical specifications for IC670ALG310

Brand GE Fanuc

Series Rx7i PACsystem

Part Number IC670ALG310

Description Analog output module

Voltage -10 to 10 Volts

Over/Under Range 50 mV

Current Drawn From Bus 170 mA

Resolution 14 bits

Magnitude 14 bits

Input Data 0-8 words, 0-3 bytes, 0-2 bytes

The GE IC670ALG310 module is a voltage-source analog output module. It is designed with 8 different channels for voltage outputs that can be auto scaled as configured by the operators. The module takes the input from the bus interface unit that is connected to it and enhances the data for calibration and converts the data into output voltage in a range between -10 and +10 Volts. The IC670ALG310 output module has enhanced diagnostics. It can easily detect over range and under range situations, loss of user power, and an uncalibrated module. The output module also features alarms that can be set by the users for different events. The module treats output values as under range and over range when they do not meet the th 50 millivolts requirement of module's maximum or minimum output settings.

The IC670ALG310 output module is compact in size and it can fit into small spaces. For input data, it takes 0 to 8 words of analog output data, 0 to 3 bytes of input data for the module and channel status, and 0 to 2 bytes of output data for clearing alarms. All of the data exchanges takes place between the output module and the bus interface unit. The IC670ALG310 output module comes with a "Channel Active" feature that lets the operators configure an individual channel as either active or inactive. The module also comes with local output default features that help to configure the data to the default settings or to zero for the module data in the bus interface unit. The module draws 170 milliamps of current from the bus interface. The resolution of the module is 14 bits and the magnitude data size is 14 bits.