GE RX3i PacSystem Series Service Manual

IC695ALG306

1. Description

The GE Fanuc IC695ALG306 module is an isolated thermocouple input module from the RX3i series. The module is situated in an RX3i universal backplane and it operates in an RX3i CPU with firmware version 5.5 or later.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**RX3i PacSystem**
Part	**Number IC695ALG306**
Module	**Type Isolated Thermocouple Input**
Input	**Voltage +/-150 millivolts or +/-50**
Number	**of Inputs 6**
Internal	**Power 3.3V: 400mA; 5V: 150 mA**
Thermocouple	**Types B, C, E, J, K, N, R, S, or T**
Firm	**ware Version 5.5 or newer**
Located	**RX3i Universal Backplane**
Resolution	**11.5 to 16 bits**
The	**GE Fanuc IC695ALG306 module has 6 individually isolated thermocouple input channels. Every channel has an input voltage of +/-150 millivolts or +/-50 millivolts and types of thermocouples that are compatible include the B, C, E, J, K, N, R, S, or T types. The GE Fanuc IC695ALG306 input module has an update rate between 15 milliseconds to 120 milliseconds and an internal power of 400 milliamps at 3.3 Volts or 150 milliamps at 5 Volts. Each thermocouple type has its own operating temperature range. The Type B range is from 300 to 1820 degrees Celsius, the Type C range is from 0 to 2315 degrees Celsius, the Type E range is from -270 to 1000 degrees Cel**

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Technical specifications for IC695ALG306

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The GE Fanuc IC695ALG306 isolated thermocouple input module has various features such as assistance for firmware upgrades through the WinLoader software utility, and it has a fixed frequency rate of 20 Hertz for the CJC update. The CJC temperature in the input data is reported as separate channels and it has a fixed setting on the first notch at 10 Hertz and it has 3-decibel input attenuation at 4.7 Hertz. The GE Fanuc IC695ALG306 isolated thermocouple input module can have various terminal blocks (sold separately) that include the box-style IC694TBB032 block, the spring-style IC694TBS032 block, the extended box-style IC694TBB132 block, or the extended spring-style IC694TBS132 block. This module has fault status reporting for flash fail, watchdog, and RAM fail operations.