GE Genius I-O Series Service Manual

IC660TBA021

1. Description

GENIUS TBA021 Terminal Assembly for (TBA Only) IC660BBA021 IC660T IC660TB IC660TBA The IC660TBA021 terminal assembly is a GE Fanuc manufactured terminal assembly. It weighs around 2 pounds.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Genius I-O**
Part	**Number IC660TBA021**
Description	**Terminal Assembly**
Voltage	**24/48 Volts DC**
Temperature	**0-60 degrees Celsius**
Input	**resolution 0.1 C**
Block	**to block isolation 1500 Volts**
Group	**to group isolation 300 Volts**
Heat	**dissipation 7 Watts**
LEDs	**Unit OK, I/O EnabledDescription**
The	**IC660TBA021 terminal assembly is an RTD input block terminal assembly manufactured by GE Fanuc. It comes with 6 channels that are equally distributed with 2 circuits in a single group. It is a 24/48 Volts DC rated terminal assembly unit. The main function of the block that the IC660TBA021 terminal assembly hosts is to monitor the temperature level around a PLC. The input data from the block can be sent to the PLC's CPU in different units including degrees Fahrenheit, degrees Celsius, or counts. Some of the exclusive features in the block that can be configured are the alarm thresholds, RTD resistance, linearization, and the input filter time settings. An automatic diagnostics feature is a**

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Technical specifications for IC660TBA021

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The GE Fanuc IC660TBA021 terminal assembly is equipped with a multiplexer switch that can easily convert the input between the RTD input block and the internal reference of the resistors. This switch is useful for self-calibration. The block comes with a noise suppression feature that can block out noise if the noise spikes exceed the 4000 Volts threshold. A shield terminal is present in the block to suppress the noise for individual circuits. On the IC660TBA021 terminal assembly, there are 4 terminals that are the SIG, RTN, SHLD, and the REF terminals. These terminals are used for the wiring of the input devices. The operating temperature of the input block and the terminal assembly ranges between 0 and 60 degrees Celsius, and the input block and the terminal assembly can be stored at a temperature range between -40 and 100 degrees Celsius.