GE Genius I-O Series Service Manual

IC660TBA104

1. Description

The IC660TBA104 terminal assembly is a Genius I/O series terminal assembly that has been manufactured by Allen-Bradley. It is meant to be part of the mounting base for a GE Fanuc Genius I/O series analog I/O module. The IC660TBA104 terminal assembly cannot function as a full mounting base by itself, however. Instead, it needs to be connected to a compatible GE Fanuc electronics assembly from the Genius I/O series that is sold separately. The analog I/O module that the IC660TBA104 terminal assemb

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Genius I-O**
Part	**Number IC660TBA104**
Block	**Type 4 input and 2 output circuits**
Rated	**Voltage 115 Volts AC / 125 Volts DC**
Power	**Supply Voltage 93 to 132 Volts AC / 105 to 145 Volts DC**
Maximum	**Current 250 milliamps (AC) / 140 milliamps (DC)**
Frequency/Ripple	**47 to 63 Hertz / 10% maximum ripple**
Power	**Supply Dropout Time 1 cycle (AC) / 10 milliseconds (DC)**
Heat	**Dissipation (Maximum) 12 Watts**
Block	**to Block Isolation 1500 Volts for 1 minute**
Group	**to Group Isolation 300 Volts**
Dimensions	**(HxWxD) 224 x 88 x 100 millimeters (8.8 x 3.5 x 3.9 inches)**
Weight	**1.8 kilograms (4 pounds)**
Operating	**Temperature 0 to 60 degrees Celsius (32 to 140 degrees Fahrenheit)**
Storage	**Temperature -40 to 100 degrees Celsius (-40 to 212 degrees Fahrenheit) Description**
The	**IC660TBA104 terminal assembly from GE Fanuc is part of the Genius I/O series and it comprises 4 input circuits and 2 output circuits. The terminal directs analog currents and converts them to a digital value. The final value is dire**

3. Product Information

The IC660TBA104 terminal assembly is a Genius I/O series terminal assembly that has been manufactured by Allen-Bradley. It is meant to be part of the mounting base for a GE Fanuc Genius I/O series analog I/O module. The IC660TBA104 terminal assembly cannot function as a full mounting base by itself, however. Instead, it needs to be connected to a compatible GE Fanuc electronics assembly from the Genius I/O series that is sold separately. The analog I/O module that the IC660TBA104 terminal assembly is intended for is the GE Fanuc IC660BBA104 I/O Block that features 2 outputs and 4 inputs that it uses to connect to other devices. The 2 outputs are able to work with a digital to analog converter device.

The GE Fanuc IC660TBA104 terminal assembly from the Genius I/O series hosts all of the wiring for the analog I/O module and the electronics assembly. As a result, it is easy to install, remove, or replace the I/O module and the electronics assembly because it is not necessary to disconnect and then reconnect all of the wires for them. The IC660TBA104 terminal assembly and all of its components and compatible devices are rated for an ambient operating temperature range of 0 to 60 degrees Celsius and an ambient storage temperature range of -40 to 100 degrees Celsius. It is rated for 5 to 95% relative ambient humidity without condensation in both operation and storage. The IC660TBA104 terminal assembly's operating voltage ranges are 93 to 132 Volts AC and 105 to 145 Volts DC at 47 to 63 Hertz. The IC660TBA104 terminal assembly is a GE Fanuc terminal with 4 inputs and 2 output circuits. The unit has a 115 Volts AC or 125 Volts DC rated current source analog block and it has a maximum current of 250 milliAmps (AC) or 140 milliAmps (DC). The unit has a frequency of 47 to 63 Hertz and 10% ripple. The unit dissipates 12 Watts of power and it has a block to block isolation rating of 1500 Volts for 1 minute. Technical specifications for IC660TBA104

Brand GE Fanuc

Series Genius I-O

Part Number IC660TBA104

Block Type 4 input and 2 output circuits

Rated Voltage 115 Volts AC / 125 Volts DC

Power Supply Voltage 93 to 132 Volts AC / 105 to 145 Volts DC

Maximum Current 250 milliamps (AC) / 140 milliamps (DC)

Frequency/Ripple 47 to 63 Hertz / 10% maximum ripple

Power Supply Dropout Time 1 cycle (AC) / 10 milliseconds (DC)

Heat Dissipation (Maximum) 12 Watts

Block to Block Isolation 1500 Volts for 1 minute

Group to Group Isolation 300 Volts

Dimensions (HxWxD) 224 x 88 x 100 millimeters (8.8 x 3.5 x 3.9 inches)

Weight 1.8 kilograms (4 pounds)

Operating Temperature 0 to 60 degrees Celsius (32 to 140 degrees Fahrenheit)

Storage Temperature -40 to 100 degrees Celsius (-40 to 212 degrees Fahrenheit) Description

The IC660TBA104 terminal assembly from GE Fanuc is part of the Genius I/O series and it comprises 4 input circuits and 2 output circuits. The terminal directs analog currents and converts them to a digital value. The final value is directed to the CPU unit and all the inputs are completely isolated from the block circuits. The IC660TBA104 terminal assembly supports a specific data format that is received through the inputs at a rate of up to 8 bytes and it is compatible with programmable logic devices from GE Series 90, Series 6, and Series 5. The terminal supports an output data rate of up to 4 bytes and it is converted into the correct signal for use with the output device. The terminal is used for temperature monitoring and all the values are transmitted as complete integers. The terminal supports the use of a hand-held display for inputs and outputs and it has advanced diagnostics that provide the necessary means for fault detection and reporting.

The IC660TBA104 terminal assembly supports the separate scaling of its circuits and it operates with the proper engineering units that are required to define the correct power levels for the I/O. The users can configure the hand-held monitor connected to the terminal assembly through a couple of simple steps and they can adjust the following parameters: the output default value, whether the device should hold the last state, the time for feedback/input conversion, and the thresholds for the alarms. In addition, the IC660TBA104 terminal allows appropriate protection for configured features through hand-held monitor. The IC660TBA104 terminal assembly is designed for 115 Volts Volts AC and 125 Volts DC votlage operation and it has maximum current rating of 250 milliamps for use on an AC power source and a rating of 140 milliamps for use on a DC power source.