GE Genius I-O Series Service Manual

IC660TBA105

1. Description

The GE Fanuc IC660TBA105 terminal assembly from the GE Genius I/O product line. This terminal assembly comes with 6 outputs which are current-source outputs. In a Genius I/O system, the IC660TBA105 terminal assembly is connected to an electronics assembly in order to operate. However, the IC660TBA105 terminal assembly and the compatible Genius I/O series electronics assembly are sold separately. This terminal assembly weighs 4 pounds (1.8 kilograms) and its dimensions are 8.8 x 3.5 x 3.9 inches

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Genius I-O**
Part	**Number IC660TBA105**
Block	**Type Six current-source outputs**
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**
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	**GE Fanuc terminal assembly that is known as the IC660TBA105 terminal assembly is used in industrial control systems comprised of top-quality components that must operate on high level. The terminal assembly is part of a current-source analog output block and it has dif**

3. Product Information

The GE Fanuc IC660TBA105 terminal assembly from the GE Genius I/O product line. This terminal assembly comes with 6 outputs which are current-source outputs. In a Genius I/O system, the IC660TBA105 terminal assembly is connected to an electronics assembly in order to operate. However, the IC660TBA105 terminal assembly and the compatible Genius I/O series electronics assembly are sold separately. This terminal assembly weighs 4 pounds (1.8 kilograms) and its dimensions are 8.8 x 3.5 x 3.9 inches (22.4 x 8.9 x 10 centimeters). It supports a block to block isolation voltage rating of 1500 Volts for up to 1 minute. The IC660TBA105 terminal assembly dissipates 12 Watts of maximum heat during operation.

The GE Fanuc IC660TBA105 Genius I/O terminal assembly is rated for both 115 Volts AC voltage and 125 Volts DC. When it is assembled with its compatible electronics assembly, the IC660TBA105 terminal assembly is the part of the complete component that hosts all of the wiring connections both for itself and for the electronics assembly. This means that it is easy to remove or replace the electronics assembly because the electronics assembly can be removed or replaced with disconnecting any of the wiring that is connected to the terminal assembly. The IC660TBA105 terminal assembly can operate in a temperature range from 32 to 140 degrees Fahrenheit (0 to 60 degrees Celsius), and it can be stored in a temperature range from -40 to 212 degrees Fahrenheit (-40 to 100 degrees Celsius). It can tolerate 5 to 95% relative humidity without condensation in both operation and storage.

The IC660TBA105 terminal assembly is made by GE Fanuc and it has 6 current-source outputs. The assembly has an intended voltage of 115 Volts AC or 125 Volts DC and a power supply voltage range of 93 to 132 Volts AC or 105 to 145 Volts DC. Technical specifications for IC660TBA105

Brand GE Fanuc

Series Genius I-O

Part Number IC660TBA105

Block Type Six current-source outputs

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

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 GE Fanuc terminal assembly that is known as the IC660TBA105 terminal assembly is used in industrial control systems comprised of top-quality components that must operate on high level. The terminal assembly is part of a current-source analog output block and it has different features for its outputs along with diagnostic features that can be of crucial importance. The terminal assembly has output accuracy of 0.15% at a temperature level of 25 degrees Celsius and its fault report feature can be turned on or off for specific circuits.

The IC660TBA105 terminal assembly is a GE Genius I/O component that is compatible with bus controllers from the Genius series and it also has the ability to connect with modules such as the PCIM and QBIM. The configuration of the block is performed through a hand-held monitor.

The IC660TBA105 terminal assembly can withstand a vibration of 5 to 10 Hertz with 5.08 millimeters (0.2 inches)of displacement. The relative humidity levels in the operating environment of the terminal should be between 5 and 95%. The unit can be stored at a temperature range of -40 to 100 degrees Celsius or -40 to 212 degrees Fahrenheit. The operating temperature range is 0 to 60 degrees Celsius or 32 to 140 degrees Fahrenheit. The IC660TBA105 terminal assembly has a rated voltage of 115 Volts AC and 125 Volts DC and it requires a power source with a maximum current of 250 milliamps for AC operation and a maximum current of 140 milliamps for DC operation. The unit has a minimal power supply dropout time of 10 milliseconds and a ripple of 10% maximum. The IC660TBA105 terminal assembly has output signal accuracy of 0.15% when full-scale reading takes place and an update frequency of 25 milliseconds.