# GE Genius I-O Series Service Manual

IC660EBS101

## 1. Description

GENIUS Ph B 115Vac/125Vdc for BBS101 (EBS Only) 115VAC/125VDC Iso IC660E IC660EB IC660EBS The GE Fanuc IC660EBS101 electronics assembly is manufactured by GE Fanuc Automation. It belongs to the Genius I/O block series and it has 8 circuits that are isolated I/O grouped into 4 different pairs. Technical specifications for IC660EBS101

## 2. Specifications

| Specification | Value |
|---|---|
| Brand | **GE Intelligent Platforms/GE Fanuc** |
| Series | **Genius I-O** |
| Part | **Number IC660EBS101Â** |
| Product | **Type Electronic Assembly** |
| Weight | **4 lbs (1.8 kg)** |
| Block | **to Block Isolation 1500 V** |
| Circuit | **LEDs On logic side of the switch** |
| Operating | **Temperature 0 to 60 degrees Celsius** |
| Storage | **Temperature -40 to 100 degrees Celsius** |
| Frequency | **47 to 63 Hz** |
| Humidity | **5 to 95 percent (non-condensing)** |
| Maximum | **Ripple 10 percent** |
| Size | **22.44 x 8.89 x 10.00 cm Description** |
| The | **IC660EBS101 electronics assembly is an electronics assembly manufactured by GE Intelligent Platforms/GE Fanuc Automation as part of the Genius I/O block series. It has 8 circuits that are isolated inputs and outputs and that are grouped into 4 different pairs. The block weighs approximately 1.8 kilograms and its dimensions are 22.44 x 8.89 x 10.00 centimeters. The IC660EBS101 electronics assembly has an "I/O Enabled" LED and a "Unit OK" LED on the logic side and it has an LED on each I/O circuit. It also features a block to block isolation rating of 1500** |

## 3. Product Information

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Series Genius I-O

Part Number IC660EBS101Â

Product Type Electronic Assembly

Weight 4 lbs (1.8 kg)

Block to Block Isolation 1500 V

Circuit LEDs On logic side of the switch

Operating Temperature 0 to 60 degrees Celsius

Storage Temperature -40 to 100 degrees Celsius

Frequency 47 to 63 Hz

Humidity 5 to 95 percent (non-condensing)

Maximum Ripple 10 percent

Size 22.44 x 8.89 x 10.00 cm Description

The IC660EBS101 electronics assembly is an electronics assembly manufactured by GE Intelligent Platforms/GE Fanuc Automation as part of the Genius I/O block series. It has 8 circuits that are isolated inputs and outputs and that are grouped into 4 different pairs. The block weighs approximately 1.8 kilograms and its dimensions are 22.44 x 8.89 x 10.00 centimeters. The IC660EBS101 electronics assembly has an "I/O Enabled" LED and a "Unit OK" LED on the logic side and it has an LED on each I/O circuit. It also features a block to block isolation rating of 1500 Volts and a maximum heat dissipation of 16 Watts with 8 inputs and a maximum heat dissipation of 45.6 Watts with 8 outputs at a current of 2 Amps. The electronics assembly operates at a temperature range of 0 to 60 degrees Celsius or 32 to 140 degrees Fahrenheit and it can be stored in environments with a temperature range of -40 to 100 degrees Celsius or -40 to 212 degrees Fahrenheit and a humidity range of 5 to 95 percent, non-condensing.

The GE Fanuc IC660EBS101 electronics assembly has operating voltage ranges of 93 to 132 Volts AC or 105 to 132 Volts DC with a block-only power control rating of 8 Watts at maximum. Other specifications include a frequency of 47 to 63 Hertz with a maximum ripple of 10 percent. The IC660EBS101 electronics assembly is compatible with various devices and can be used with any GE Fanuc Genius bus controller, QBIM, or PCIM. It is compatible with the I/O blocks that are backward compatible with the previous versions, for instance, the IC660BBS100, IC660BBS101, and IC660CBS100 I/O blocks. This electronics assembly can be used as a replacement part for some other electronics assemblies. Additionally, it is fully compatible with a hand-held monitor that is needed to change the baud rate configuration or the configuration of the IC660EBS101 block for redundancy.