GE Genius I-O Series Service Manual

IC660EBD100

1. Description

GENIUS Ph B 115Vac 8 CKT Electronic Assembly for BBD100 (EBD Only) IC660E IC660EB IC660EBD The GE Fanuc IC660EBD100 electronics assembly is manufactured by GE Fanuc Automation as part of the Genius I/O block series. It comes with a 93 to 132 Volts AC single-source operating voltage rating with an I/O off standby power rating of 8.5 Watts. Technical specifications for IC660EBD100

2. Specifications

Specification	Value
Brand	**GE Intelligent Platforms/GE Fanuc**
Series	**Genius I-O**
Part	**Number IC660EBD100Â**
Product	**Line Genius I/O**
Product	**Type Electronics Assembly**
Weight	**1.8 kg (4lbs)**
Size	**8.83 x 3.50 x 3.94 inches**
Standby	**Power 8.5 Watts**
Operating	**Voltage 93 to 132 V AC**
Frequency	**47 to 63 Hz**
Power	**Supply Dropout Time 1 cycle (16.7 mS at 60 Hertz or 20 mS at 50 Hertz**
Block	**to Block Isolation 1500 V**
Heat	**Dissipation 16 W with 8 inputs**
Heat	**Dissipation 43.5 W with 8 outputs at 2 amperes**
Operating	**Temperature 0 to 60 degrees Celsius**
Storage	**Temperature -40 to 100 degrees Celsius Description**
The	**IC660EBD100 electronics assembly is an electronics assembly manufactured by GE Intelligent Platforms/GE Fanuc as part of the Genius I/O product line. This electronics assembly has a single-source operating voltage of 93 to 132 Volts AC, with a standby power rating of 8.5 Watts with all the I/O off. The IC660EBD100 electronics assembly has a block to block isolation rating of 1500 Volts and a maximum heat dissipation of**

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Series Genius I-O

Part Number IC660EBD100Â

Product Line Genius I/O

Product Type Electronics Assembly

Weight 1.8 kg (4lbs)

Size 8.83 x 3.50 x 3.94 inches

Standby Power 8.5 Watts

Operating Voltage 93 to 132 V AC

Frequency 47 to 63 Hz

Power Supply Dropout Time 1 cycle (16.7 mS at 60 Hertz or 20 mS at 50 Hertz

Block to Block Isolation 1500 V

Heat Dissipation 16 W with 8 inputs

Heat Dissipation 43.5 W with 8 outputs at 2 amperes

Operating Temperature 0 to 60 degrees Celsius

Storage Temperature -40 to 100 degrees Celsius Description

The IC660EBD100 electronics assembly is an electronics assembly manufactured by GE Intelligent Platforms/GE Fanuc as part of the Genius I/O product line. This electronics assembly has a single-source operating voltage of 93 to 132 Volts AC, with a standby power rating of 8.5 Watts with all the I/O off. The IC660EBD100 electronics assembly has a block to block isolation rating of 1500 Volts and a maximum heat dissipation of 16 Watts with 8 inputs and one of 43.5 Watts with 8 outputs on a current of 2 Amps. Other specifications of this block include a weight of about 4 pounds or 1.8 kilograms and measurements of 8.83 x 3.50 x 3.94 inches. It also has an LED for each I/O point and a frequency of 47 to 63 Hertz. The minimum voltage across the input device is 60 Volts RMS, and the block has a minimum leakage rating through an input device of 1.5 milliamps.

The GE Fanuc IC660EBD100 electronics assembly is an 8-circuit input and output block with 8 similar circuits that are rated to run at a nominal speed of 115 Volts AC. As previously stated, it also features circuit LEDs on each of the circuits that can indicate different things. When a circuit is configured as an input, the circuit LED indicates the threshold voltage that is present at the input terminal. When a circuit is configured as an output, the circuit's LED shows the state that the CPU commands. The IC660EBD100 electronics assembly can be configured as an input and output block, an output-only block, or an input-only block. The electronics assembly block transmits 1 byte of data with each bus scan and it allows 1 byte of data for each bus scan.