GE Genius I-O Series Service Manual

IC660EBR100

1. Description

GENIUS Electronic Assembly for BBR100 (EBR Only) Relay Output Norm IC66 IC660EB IC660EBR The GE Fanuc IC660EBR100 electronics assembly is manufactured by GE Intelligent Platforms/GE Fanuc Automation. It belongs to the Genius I/O block series and it has 16 circuit relay outputs arranged in 4 separate groups with 4 outputs each. The block also has an LED on each of the circuits with an individual relay coil state. Technical specifications for IC660EBR100

2. Specifications

Specification	Value
Brand	**GE Intelligent Platforms/GE Fanuc**
Series	**Genius I-O**
Part	**Number IC660EBR100Â**
Product	**Type Electronic Assembly**
Operating	**Temperature 0 to 60 degrees Celsius**
Storage	**Temperature -40 to 100 degrees Celsius**
Non	**Condensing Humidity 5 to 95 percent**
Frequency	**47 to 63 Hz**
Operating	**Voltage 115 V AC/93 to 132 VAC or 230 V AC/185 to 265 V AC**
Power	**Required 87 mA at 115 V AC**
Power	**Supply Dropout time 1 cycle**
Heat	**Dissipation 10.1 Watts with 16 Outputs**
Min.	**Load Recommended 10 mA**
Relay	**Type Fixed Coil moving armature**
Max.	**Initial Contact Resistance 100 milliohms Description**
The	**IC660EBR100 electronics assembly block is manufactured by the GE Intelligent Platforms/GE Fanuc Automation. It belongs to the Genius I/O series and it features 16 circuit relay outputs that are placed in 4 separate groups of 4 outputs each as well as an LED on each circuit with an individual relay coil state. This electronics assembly has an approximate weight of 1.8 kilograms and it measures 8.83 x 3.50 x 3.94 inches**

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The IC660EBR100 electronics assembly block has a power current requirement of 87 milliamps at a voltage of 115 Volts AC, with a power supply dropout time of 1 cycle. It comes with a heat dissipation rating of 10.1 Watts maximum with 16 outputs on. The GE Fanuc IC660EBR100 electronics assembly block has a maximum output current of 2 Amps per circuit, and a maximum switching power of 60 Watts or 125 Volt-Amps. It also has an inrush current of 2 Amps (maximum) for every circuit, with an output off-state leakage current of 0.1 milliamps. It has an all-out switching frequency of 20 cycles in 60 seconds for the inductive loads or an output turn-on delay time of 5 microseconds. The IC660EBR100 electronics assembly block has an output voltage ranging from 5 to 250 Volts AC or 5 to 220 Volts DC, as well as a minimum recommended load of 10 milliamps. It also has a fixed coil moving armature relay type.