GE Genius I-O Series Service Manual

IC660EBA020

1. Description

GENIUS Electronic Assembly for BBA020 24/48VDC Analog I/O (EBA Only) IC IC660EB IC660EBA The GE Fanuc IC660EBA020 Genius I/O Analog Block Electronics Assembly is made for the Genius I/O IC66BBA020 Voltage/Current Analog Block. This I/O block electronics assembly has 4 analog inputs, 2 analog outputs, 18 to 56 Volts DC of operating voltage, and 8.0 Watts of output power. Technical specifications for IC660EBA020

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Genius I-O**
Part	**Number IC660EBA020**
Description	**Genius I/O Analog Block Electronics Assembly**
Application	**Genius I/O Block System**
Operating	**Voltage 18 to 56 Volts DC**
LED	**2 Status LEDs**
Inputs	**Four 12-Bit Inputs**
Outputs	**Two 12-Bit Outputs**
Power	**Rating 8.0 Watts**
Installation	**Terminal Assembly**
Input	**Update 4 milliseconds**
Input	**Filter 1024 milliseconds Description**
The	**GE Fanuc IC660EBA020 Genius I/O Analog Block Electronics Assembly is an electronics assembly for the GE IC66BBA020 Voltage/Current Analog Block. The IC66BBA020 I/O Block is a Phase B analog block electronics assembly with 4 analog inputs and 2 analog outputs. The IC66BBA020 I/O Block comprises a compatible terminal assembly like the IC66TSA020 Terminal Assembly and an electronics assembly like the IC660EBA020 Electronics Assembly. The terminal assembly forms the base of the block, and it provides connection points for the bus cable, field devices, handheld monitor, and the EEPROM module. The IC660EBA020 Ele**

3. Product Information

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Series Genius I-O

Part Number IC660EBA020

Description Genius I/O Analog Block Electronics Assembly

Application Genius I/O Block System

Operating Voltage 18 to 56 Volts DC

LED 2 Status LEDs

Inputs Four 12-Bit Inputs

Outputs Two 12-Bit Outputs

Power Rating 8.0 Watts

Installation Terminal Assembly

Input Update 4 milliseconds

Input Filter 1024 milliseconds Description

The GE Fanuc IC660EBA020 Genius I/O Analog Block Electronics Assembly is an electronics assembly for the GE IC66BBA020 Voltage/Current Analog Block. The IC66BBA020 I/O Block is a Phase B analog block electronics assembly with 4 analog inputs and 2 analog outputs. The IC66BBA020 I/O Block comprises a compatible terminal assembly like the IC66TSA020 Terminal Assembly and an electronics assembly like the IC660EBA020 Electronics Assembly. The terminal assembly forms the base of the block, and it provides connection points for the bus cable, field devices, handheld monitor, and the EEPROM module. The IC660EBA020 Electronics Assembly houses the block’s processor and it performs all the block’s functions including data storage and communication.

The IC660EBA020 Electronics Assembly has an operating voltage range of 18 to 56 Volts DC and a maximum power rating of 6.0 Watts. The analog I/O block has a maximum accuracy value of +/-0.5% of the full scale and a maximum thermal drift of 40 ppm (parts per million) per degree Celsius. The IC660EBA020 Electronics Assembly has standard circuit selection ranges from 0 to 10 Volts DC, +/-10 Volts DC, +/-5 Volts DC, 0 to 5 Volts DC, and 0 to 20 and 4 to 20 milliamps (or 1 to 5 Volts DC). The IC660EBA020 Electronics Assembly has four 12-bit analog inputs with 4 milliseconds of input update time and a selectable input filter time of up to 1024 milliseconds. The IC660EBA020 Electronics Assembly has two 12-bit outputs that can be configured to retain the last state value in the event that communication is lost with the CPU. The IC660EBA020 Electronics Assembly can be installed on the terminal base by aligning the assembly perfectly with the guides and securing it with the factory-supplied retaining screws.