# GE Genius I-O Series Service Manual

IC660BBR100

## 1. Description

The IC660BBR100 is a Normally Closed Relay Output Block. This block provides 16 output circuits in four independent groups with four relay-type outputs each.

## 2. Specifications

| Specification | Value |
|---|---|
| Manufacturer | **GE Fanuc** |
| Series | **Genius I-O** |
| Part | **Number IC660BBR100** |
| Product | **Type Relay Output Block** |
| Output | **Block Type Normally Closed** |
| Number | **of Outputs 16** |
| Output | **Configuration 4 Groups of 4 Outputs Each** |
| Output | **Voltage Type AC or DC** |
| Power | **Requirements 87 Milliamps at 115 Volts AC** |
| CPU | **Redundancy Supported  Description** |
| The | **GE Fanuc IC660BBR100 relay output block comes with 16 circuits. All 16 of these circuits are arranged in 4 groups that each contain 4 relay output circuits. The group to group isolation voltage is rated at 1500 Volts. The IC660BBR100 16-point relay output block is manufactured as part of GE Fanuc's Genius I-O product line. This relay output block is also a normally closed relay output block. The IC660BBR100 relay block is compatible with a variety of control and indicator devices that are low-powered such as lamps, contactors, and other relays that operate with voltage ranges of 5 to 220 Volts DC or or 5 to 250 Volts AC. All 4 of the relay block's output groups can be power** |

## 3. Product Information

The IC660BBR100 is a Normally Closed Relay Output Block. This block provides 16 output circuits in four independent groups with four relay-type outputs each.

Relay Blocks in the Genius I/O product family arrange outputs in groups of four, and each output can be powered by its own AC or DC source. Because IC660BBR100 is normally closed rather than normally open, it remains in a conductive state when de-energized. Block power for IC660BBR100 can be factory set at 115 VAC or 230 VAC (optional). Voltage selection is made by jumpers on the block's terminal assembly.

Isolation between output circuit groups is 1500 VAC. This block can be used with a wide range of low-power control and indicating devices, including lamps, contactors, and relays.

The Relay Output Block behavior can be customized for the environment by way of a handheld monitor. The user can set defaults for output power-up actions, establish whether output reverts to previous state or factory settings during electrical communication interruption, and select a CPU redundancy type. IC660BBR100 can also be designated for bus switching module control.

IC660BBR100 is versatile enough to handle a useful voltage range of 5 to 250 VAC or 5 to 220 VDC. LEDs in the block's chassis signal unit and I/O conditions. A blinking LED indicates circuit faults. OFF (dark) suggests a defective block; however, the block may simply be lacking appropriate power supply. The ON status confirms expected performance.  The IC660BBR100 relay output block is a normally-closed output block from GE Fanuc with 16 outputs. The 16 outputs are divided into 4 isolated groups of 4 outputs that can run on AC or DC power.  Technical specifications for IC660BBR100

Manufacturer GE Fanuc

Series Genius I-O

Part Number IC660BBR100

Product Type Relay Output Block

Output Block Type Normally Closed

Number of Outputs 16

Output Configuration 4 Groups of 4 Outputs Each

Output Voltage Type AC or DC

Power Requirements 87 Milliamps at 115 Volts AC

CPU Redundancy Supported  Description

The GE Fanuc IC660BBR100 relay output block comes with 16 circuits. All 16 of these circuits are arranged in 4 groups that each contain 4 relay output circuits. The group to group isolation voltage is rated at 1500 Volts. The IC660BBR100 16-point relay output block is manufactured as part of GE Fanuc's Genius I-O product line. This relay output block is also a normally closed relay output block. The IC660BBR100 relay block is compatible with a variety of control and indicator devices that are low-powered such as lamps, contactors, and other relays that operate with voltage ranges of 5 to 220 Volts DC or or 5 to 250 Volts AC. All 4 of the relay block's output groups can be powered by separate sources of AC or DC power.

The GE Fanuc Genius I-O IC660BBR100 normally closed relay output block comes with features like output powerup defaults, an output hold last state or default option, CPU redundancy, and bus switching module control. It requires 87 milliamps of power to operate at 115 Volts AC. The block measures 8.8 x 3.3 x 3.9 inches and it weighs 4 pounds. It operates at full power at temperatures between 32 and 140 degrees Fahrenheit and in a non-condensing relative humidity range of 5 to 95%. When not in use, the IC660BBR100 relay output block can be stored at temperatures between -40 to 212 degrees Fahrenheit in environments with the same non-condensing relative humidity levels that are acceptable for safe device operation.