GE Genius I-O Series Service Manual

IC660TBR100

1. Description

The IC660TBR100 Terminal Assembly belongs to GE Fanuc Genius I/O series of products. It is compatible with the IC660BBR100 Normally-Closed Relay Output Block and the IC660EBR100 Electronics Assembly. Its screw clamp type terminals accept AWG #22 through AWG #12 wires. The IC660TBR100 Terminal Assembly comes with a high connecting capacity and superior current carrying capacity. The terminals consist of appropriately-sized entrance holes where the users can easily insert the wires and conductor

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Genius I-O**
Part	**Number IC660TBR100**
Product	**type Terminal assembly**
Compatibility	**IC660BBR100**
Operating	**temperature 0 to 60 degrees Celsius**
Storage	**temperature -40 to 100 degrees Celsius**
Relative	**humidity 5 to 95%**
Block	**Circuit Type Normally Closed**
Compatible	**Assembly Type Electronics Assembly Description**
The	**IC660TBR100 terminal assembly is a terminal assembly for a Genius I-O Series 16-circuit relay output I/O block with the catalog number IC660BBR100. The relays on the IC660BBR100 block are normally closed. The relay output blocks provide 16 output circuits that are divided into 4 independent groups of 4 relay-type outputs each. The block power rating can be either 115 Volts AC or 230 Volts AC. Genius I/O blocks are intelligent and configurable I/O modules. Each block comes with its own processor and communications capabilities and it provides circuits for connecting I/O devices. The 2 main parts of a Genius I-O block are a terminal assembly like the IC660TBR100**

3. Product Information

The IC660TBR100 Terminal Assembly belongs to GE Fanuc Genius I/O series of products. It is compatible with the IC660BBR100 Normally-Closed Relay Output Block and the IC660EBR100 Electronics Assembly. Its screw clamp type terminals accept AWG #22 through AWG #12 wires. The IC660TBR100 Terminal Assembly comes with a high connecting capacity and superior current carrying capacity. The terminals consist of appropriately-sized entrance holes where the users can easily insert the wires and conductors into the terminal block. It is supplied with all the required accessories for easy installation. It provides the facilities to insert and remove the I/O block without interrupting the field wiring. The IC660TBR100 Terminal Assembly is designed for relay type output blocks and it has 32 terminals. Terminals 5 to 32 are suitable to use for connecting the field devices. Terminals 1 and 2 are serial terminals and Terminals 4 and 5 are reserved for shield-in and shield-out connections. The shield drain wires should be insulated using spaghetti tubing to prevent them from touching each other. A slotted screwdriver or a Phillips screwdriver can be used for bus connections. The main specification of the IC660TBR100 Terminal Assembly includes a 115/230 Volts AC of voltage rating, a 0 to 60 degrees Celsius operating temperature range, and 2 pounds of weight. The power source voltages can be selected by using the jumpers in the terminal assembly. The default power selection is 115 Volts AC. It is advised to perform the correct jumper placement to avoid unnecessary damages to the block. This terminal assembly acts as the base of the module while providing reliable connections. The GE Fanuc IC660TBR100 assembly is a terminal assembly. The IC660TBR100 terminal assembly is compatible with the I/O block with the catalog number IC660BBR100. Technical specifications for IC660TBR100

Brand GE Fanuc

Series Genius I-O

Part Number IC660TBR100

Product type Terminal assembly

Compatibility IC660BBR100

Operating temperature 0 to 60 degrees Celsius

Storage temperature -40 to 100 degrees Celsius

Relative humidity 5 to 95%

Block Circuit Type Normally Closed

Compatible Assembly Type Electronics Assembly Description

The IC660TBR100 terminal assembly is a terminal assembly for a Genius I-O Series 16-circuit relay output I/O block with the catalog number IC660BBR100. The relays on the IC660BBR100 block are normally closed. The relay output blocks provide 16 output circuits that are divided into 4 independent groups of 4 relay-type outputs each. The block power rating can be either 115 Volts AC or 230 Volts AC. Genius I/O blocks are intelligent and configurable I/O modules. Each block comes with its own processor and communications capabilities and it provides circuits for connecting I/O devices. The 2 main parts of a Genius I-O block are a terminal assembly like the IC660TBR100 terminal assembly and an electronics assembly. A terminal assembly such as the IC660TBR100 terminal assembly forms the base of the module and provides connections for field devices, hand-held monitors, and bus cables.

The configuration of the I/O block that the IC660TBR100 terminal assembly is part of is stored in the EEPROM which is located inside the terminal assembly. The electronics assembly contains the processors and performs the communications, data storage, and computation functions. The environmental specifications for the IC660TBR100 terminal assembly include a 5 to 95% relative humidity range, a 0 to 60 degrees Celsius operating temperature range, a -40 to 100 degrees Celsius storage temperature range, and a 10 to 200 Hertz vibration rating. The IC660BBR100 block can be used with any GE Fanuc Genius bus interface module. The IC660BBR100 block is compatible with a hand-held monitor with the catalog number ICC660HHM501. The IC660BBR100 block can be used with low-power indicating and control devices including relays, lamps, and contactors. The output devices connected to the IC660BBR100 block can operate at voltages from 5 to 250 Volts AC or 5 to 220 Volts DC, and it can switch up to a maximum of 60 Watts or 125 VA.