GE Genius I-O Series Service Manual

IC660TBR101

1. Description

The IC660TBR101 Terminal Assembly is a Genius I/O series product that is designed for use with the IC660BBR101 Relay Output Block. It comes with 115/230 Volts AC voltage, a box-style design, IC660BBR101 relay output block compatibility, and it weighs 2 pounds. Some of the main features of this module include configuration flexibility, reduced installation costs, circuit protection, and advanced diagnostics. All the field wiring of the relay output module is done through this terminal assembly. E

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Genius I-O**
Part	**number IC660TBR101**
Product	**type Terminal assembly**
Compatibility	**IC660BBR101**
Operating	**temperature 0 to 60 degrees Celsius**
Storage	**temperature -40 to 100 degrees Celsius**
Relative	**humidity 5 to 95%**
Relay	**type Normally open**
Field	**Wiring Connections Supported Description**
The	**IC660TBR101 terminal assembly is a terminal assembly for a GE Fanuc Genius I/O block with normally-open relays that has the catalog number IC660BBR101. A terminal block like the IC660TBR101 terminal assembly is 1 of the 2 primary components of Genius I/O blocks and the other component is the electronics assembly. The IC660TBR101 terminal assembly forms the block base and all of the field wiring connections are made to it. The configuration data of the Genius I/O block is stored in the terminal assembly and therefore it is not necessary to reconfigure the I/O block if the electronics assembly is replaced. The terminal assembly is mechanically and electrically keyed to accept an elec**

3. Product Information

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The IC660TBR101 Terminal Assembly is compatible with the IC660EBR101 Electronics Assembly. It has 32 screw-type terminals. The terminals use AWG #22 to AWG #12 wires for the field wiring. It can provide the required power to the relay output block by using a 115 Volts AC or 230 Volts AC power source. The power source voltage is jumper-selectable. However, additional care must be taken when using the jumper to avoid damages to the block. The operating temperature range of the IC660TBR101 Terminal Assembly is 0 to 60 degrees Celsius. Since the relay output block does not have internal fuses, external 2-Amp fuses can be installed to protect the load. Terminals 5 to 32 are reserved for field device connections. Terminals 3 and 4 are labeled as Shield 1 and Shield 2, respectively. The shield out terminal is directly connected to the chassis ground. This terminal assembly module makes field wiring easy. The GE Fanuc IC660TBR101 assembly is a terminal assembly for Genius I/O devices. The IC660TBR101 terminal assembly is compatible with the IC660BBR101 I/O block. Technical specifications for IC660TBR101

Brand GE Fanuc

Series Genius I-O

Part number IC660TBR101

Product type Terminal assembly

Compatibility IC660BBR101

Operating temperature 0 to 60 degrees Celsius

Storage temperature -40 to 100 degrees Celsius

Relative humidity 5 to 95%

Relay type Normally open

Field Wiring Connections Supported Description

The IC660TBR101 terminal assembly is a terminal assembly for a GE Fanuc Genius I/O block with normally-open relays that has the catalog number IC660BBR101. A terminal block like the IC660TBR101 terminal assembly is 1 of the 2 primary components of Genius I/O blocks and the other component is the electronics assembly. The IC660TBR101 terminal assembly forms the block base and all of the field wiring connections are made to it. The configuration data of the Genius I/O block is stored in the terminal assembly and therefore it is not necessary to reconfigure the I/O block if the electronics assembly is replaced. The terminal assembly is mechanically and electrically keyed to accept an electronics assembly of the same type in terms of voltage, wiring configuration, and number of circuits.

The other block component, the electronics assembly, houses the I/O, active components, and communication circuits of the I/O blocks. The electronics assembly can be replaced without disturbing the field wiring. The I/O block for which the IC660TBR101 terminal assembly is designed, i.e. the ICC660BBR101 I/O block, is a 16-circuit relay output block. The outputs are separated into 4 isolated groups of 4 circuits each. The I/O block weighs 4 pounds and it measures approximately 224 x 35 x 39 millimeters. The recommended range of the operating temperature for the block is from 0 to 60 degrees Celsius. For transportation and storage, the recommended range for the ambient temperature is from -40 to 100 degrees Celsius. The current requirement of the I/O block is 87 milliamps at 115 Volts AC. The AC supply voltage ranges are 93 to 132 Volts AC and 185 to 265 Volts AC.