GE Genius I-O Series Service Manual

IC660TPM100

1. Description

The IC660TPM100 Terminal Assembly is designed by GE Fanuc for the IC660BMP100 Genius I/O series of products. It is used to perform the field wiring for the module that it hosts. The base of the Genius I/O module is formed by this terminal assembly. It has electrical and mechanical keys to find the compatible electronic assembly. It also makes it possible to remove the electronics assembly without harming the field wiring. The IC660TPM100 Terminal Assembly offers an EEPROM unit that can be used t

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Genius I-O**
Part	**Number IC660TPM100**
Product	**Type Terminal assembly**
Compatible	**Block IC660BPM100 Block**
Operating	**Temperature 0 to 60 degrees Celsius**
Screw	**Type Number 12 screws**
Integral	**Power Supply Input Voltage 115/230 Volts AC, 125 Volts DC**
Stranded	**Wire Supported**
Solid	**Wire Supported Description**
The	**GE Fanuc IC660TPM100 terminal assembly is a terminal assembly for the GE Fanuc IC660BPM100 block, which is a power monitoring block. The IC660BPM100 power monitoring block is designed for industrial control systems and it can accurately measure various characteristics related to current and voltage, even for distorted waveforms. The IC660BPM100 power monitoring block can measure the RMS values of a machine's current and voltage, power factors, Watt hours, and VARs. The power monitoring block can also measure the line frequency. The IC660BPM100 power monitoring block indicates the magnitude of the system harmonic content and it can be used with both Wye (4-wire) and**

3. Product Information

The IC660TPM100 Terminal Assembly is designed by GE Fanuc for the IC660BMP100 Genius I/O series of products. It is used to perform the field wiring for the module that it hosts. The base of the Genius I/O module is formed by this terminal assembly. It has electrical and mechanical keys to find the compatible electronic assembly. It also makes it possible to remove the electronics assembly without harming the field wiring. The IC660TPM100 Terminal Assembly offers an EEPROM unit that can be used to store the configuration data of the block. The EEPROM errors and wiring errors can be detected by the diagnostic facilities of the block. When the terminal assembly is not properly attached to the electronics assembly, the “UNIT OK” indicator LED of the unit remains off.

The IC660TPM100 Terminal Assembly accepts both solid and stranded wires. It is a separate terminal assembly that allows for the removal of the electronics assembly or I/O block without changing the field wiring. It has 32 terminals with 2 serial terminals and shield-in and shield-out terminals. Some of the specifications of this IC660TPM100 module include a box style design, screw clamp terminals, IC660BMP100 block compatibility, and a weight of 2 pounds. It is advised to use spaghetti tubing installation for shield drain wires to prevent the in and out wires from touching each other. When selecting the compatible electronics assembly, it is necessary to consider the specifications such as the voltage, wiring configuration, and the number of circuits. Make sure not to remove the terminal assembly or the block while the system is operating since communication may be interrupted. This module provides facilities to connect up to 5 power sources. The IC660TPM100 terminal assembly is manufactured by GE Fanuc. The IC660TPM100 terminal assembly is compatible with a GE Fanuc power monitoring block with the catalog number IC660BPM100. Technical specifications for IC660TPM100

Brand GE Fanuc

Series Genius I-O

Part Number IC660TPM100

Product Type Terminal assembly

Compatible Block IC660BPM100 Block

Operating Temperature 0 to 60 degrees Celsius

Screw Type Number 12 screws

Integral Power Supply Input Voltage 115/230 Volts AC, 125 Volts DC

Stranded Wire Supported

Solid Wire Supported Description

The GE Fanuc IC660TPM100 terminal assembly is a terminal assembly for the GE Fanuc IC660BPM100 block, which is a power monitoring block. The IC660BPM100 power monitoring block is designed for industrial control systems and it can accurately measure various characteristics related to current and voltage, even for distorted waveforms. The IC660BPM100 power monitoring block can measure the RMS values of a machine's current and voltage, power factors, Watt hours, and VARs. The power monitoring block can also measure the line frequency. The IC660BPM100 power monitoring block indicates the magnitude of the system harmonic content and it can be used with both Wye (4-wire) and Delta (3-wire) systems. The IC660BPM100 power monitoring block has a low current transformer burden which is less than 0.1 VA. The integral power supply on the power block accepts both 115/230 Volts AC or 125 Volts DC inputs.

The IC660BPM100 power monitoring block can be installed easily with the electronics assembly removed. The steps required for installing the IC660TPM100 terminal assembly for the block include drilling 4 mounting holes at locations specified in the block data sheet, separating the electronics assembly from the terminal assembly, lining up the notches located at the top and bottom of the IC660TPM100 terminal assembly with the drilled holes, and fastening it in place by using number 12 screws and star washers. The next step in the block installation process is the terminal wring. The IC660TPM100 terminal assembly is compatible with both stranded and solid wires. The terminal assembly can accept bare wires or spade or ring lugs. The bus terminals are compatible with copper wires with a size of up to 14 AWG. The power and field wiring terminals are compatible with 10 AWG wires.