GE Genius I-O Series Service Manual

IC660TBA024

1. Description

GENIUS Terminal Assembly for (TBA Only) TBA024 for IC660BBA024 IC660T IC660TB IC660TBA The IC660TBA024 module is an input/output block by GE Fanuc. It uses a current power source. Technical specifications for IC660TBA024

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Genius I-O**
Part	**Number IC660TBA024**
Description	**I/O block**
Voltage	**24/48 Volts DC**
Heat	**dissipation 12 Watts**
Block	**to block isolation 1500 Volts**
Group	**to group isolation 300 V rms**
Max.	**current rating 600 mA**
Ripple	**10 % max**
Temperature	**0-60 degrees Celsius Description**
The	**IC660TBA024 block is an I/O module using a current power source that is manufactured by GE Fanuc. This analog I/O block is a terminal-only assembly with a voltage rating of 24/48 Volts DC. The main function of the module is to power the circuits. The circuits on the block support values that can scale linearly. This analog I/O block is an industrial automation device that is equipped with different configurable features that include alarm detection, output hold, and selectable input conversion. The IC660TBA024 I/O block is also advanced in terms of diagnostics and it can easily sense open wire, high/low alarms, underrange, overrange, and feedback errors.**

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The IC660TBA024 I/O block comes with a maximum heat dissipation of 12 Watts on a regular cycle. The block to block and group to group isolation of the module is 1500 Volts for 1 minute and 300 Volts RMS. The power supply voltage should range between 18 and 56 Volts DC and it has a maximum current rating of 600 milliamps. With 24/48 Volts DC voltage, the module has a ripple of 10% maximum and the power supply drop out time is 10 milliseconds. The module has open architecture. The ambient temperature should not exceed 60 degrees Celsius. The IC660TBA024 I/O block comes with alarm thresholds that can be configured for a specific input. A message can be sent to the operators upon reaching a certain limit. The module can also detect wiring errors and faults in the hardware. For underrange and overrange errors, it can send an "OVERRANGE" message if a signal exceeds 25 milliamps.