GE Genius I-O Series Service Manual

IC660BRD024

1. Description

GENIUS Block DC GMR 32 Circ Source I/O Block Current field output GE FANUC IC660 IC660BRD The GE Fanuc IC660BRD024 Genius GMR Source Output Block is made for the T-Output Group Genius Modular Redundancy (GMR) Output Subsystem. This I/O block has 32 DC outputs, 18 to 56 Volts DC operating voltage, 100 milliamps to 2.0 Amps of operating current, and built-in blocking diodes. Technical specifications for IC660BRD024

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Genius I-O**
Part	**Number IC660BRD024**
Description	**Genius GMR Source Output Block**
Application	**Genius Modular Redundacy Output Subsystem**
Operating	**Voltage 18 to 56 Volts DC**
Operating	**Current 0.5 to 1.0 Amps**
Max	**Inrush Current 10.0 Amps**
Output	**OFF Leakage Current 2.0 Milliamps**
Comptible	**Output Group T-Output Group and H-Output Group**
Built-In	**Blocking Diodes Yes**
Configuration	**Genius Handheld Monitor**
Output	**Points 32 Output Points Description**
The	**GE Fanuc IC660BRD024 Genius GMR Source Output Block is a 12/24 Volts DC source output block for the T-Output Subsystem. The IC660BRD024 Source Output Block belongs to the T-Block Output Group of the Genius Modular Redundancy (GMR) Output Subsystem. The output subsystem of the GMR controls and monitors discrete output loads, and it may include H-Block, T-Block, I-Block, 1 out of 1 Diagnostics, and Genius Redundancy Output Groups. The IC660BRD024 Source Output Block is compatible with the H-Output group and T-Output group configura**

3. Product Information

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Application Genius Modular Redundacy Output Subsystem

Operating Voltage 18 to 56 Volts DC

Operating Current 0.5 to 1.0 Amps

Max Inrush Current 10.0 Amps

Output OFF Leakage Current 2.0 Milliamps

Comptible Output Group T-Output Group and H-Output Group

Built-In Blocking Diodes Yes

Configuration Genius Handheld Monitor

Output Points 32 Output Points Description

The GE Fanuc IC660BRD024 Genius GMR Source Output Block is a 12/24 Volts DC source output block for the T-Output Subsystem. The IC660BRD024 Source Output Block belongs to the T-Block Output Group of the Genius Modular Redundancy (GMR) Output Subsystem. The output subsystem of the GMR controls and monitors discrete output loads, and it may include H-Block, T-Block, I-Block, 1 out of 1 Diagnostics, and Genius Redundancy Output Groups. The IC660BRD024 Source Output Block is compatible with the H-Output group and T-Output group configurations. In the H-Output group configuration, two IC660BRD024 Source Output Blocks are connected in parallel with one side of the load while two other sinking output blocks are connected to the other side of the load. In the T-Output group configuration, two IC660BRD024 Source Output Blocks are connected in parallel to one side of the load, while the other end of the load is grounded.

The GE Fanuc IC660BRD024 Source Output Block is a 32-point DC source output block with an operating current load range of 0.5 to 1.0 Amps and a maximum inrush current rating of 10.0 Amps. The T-Block output group has an aggregate current rating of 16.0 Amps and a maximum leakage current rating of 20 microamps. The IC660BRD024 source output block comes with built-in blocking diodes and feedback resistors on each output point for fault detection and for the prevention of possible system malfunctions as a result of I/O back-drive current when it is used in H-Output or T-Output groups. The IC660BRD024 Source Output Block is installed on the bus (the bus connection must match the GMR configuration), and it is configured with a handheld monitor.