GE Genius I-O Series Service Manual

IC660BLM508

1. Description

GE Bus Terminator 75 Ohm (Qty 4) The GE Fanuc IC660BLM508 75-Ohm Bus Terminator Resistor is an encapsulated electronic component that is a terminating resistor for the Genius Bus Network that prevents the appearance of reflected waves at the end of the bus. It comes from the factory with 4 connection leads, 2 of which are for the serial terminals, and the remaining 2 are for the sheaths. Technical specifications for IC660BLM508

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Genius I-O**
Part	**Number IC660BLM508**
Type	**of Component Terminator resistor**
Number	**of Pieces per Package 4**
Number	**of Connection Leads 4**
Order	**of Connection SER 1, SER 2, SHD IN, SHD OUT**
Type	**of Resistor Encapsulated**
Bus	**Compatibility Genius Bus**
Resistance	**75 Ohms**
Manufacturer	**GE Fanuc Description**
The	**GE Fanuc Genius Bus communications protocol requires the use of a terminator resistor like the GE Fanuc IC660BLM508 75-Ohm Bus Terminator Resistor to reduce reflected wave signals. When a terminator resistor is not used with the protocol, there will be a high-frequency noise in the network that will generate transmission errors. The GE Fanuc IC660BLM508 75-Ohm Bus Terminator Resistor is a 75-Ohm terminator resistor that comes from the factory in a pack of 4 resistors that are specifically designed to connect to a Genius Bus network and reduce the signal reflection in the network. The GE Fanuc IC660BLM508 75-Ohm Bus Terminator Resistor is an encapsulated electronic compo**

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Series Genius I-O

Part Number IC660BLM508

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Number of Pieces per Package 4

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Order of Connection SER 1, SER 2, SHD IN, SHD OUT

Type of Resistor Encapsulated

Bus Compatibility Genius Bus

Resistance 75 Ohms

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The connecting lead of the GE Fanuc IC660BLM508 75-Ohm Bus Terminator Resistor is not marked, but it is easy to identify when the resistor placed with the leads pointing to the right. There are 4 ports arranged vertically on the resistor, and from top to bottom, the ports are the SER 1, SER 2, SHD IN, and SHD OUT ports. Because it is an encapsulated component, the GE Fanuc IC660BLM508 75-Ohm Bus Terminator Resistor does not need special maintenance or environmental protection measures apart from the normal procedures that are used to protect and maintain the Genius I/O Block it is connected to. Handling of the GE Fanuc IC660BLM508 75-Ohm Bus Terminator Resistor should be performed with care because ESD discharges are a possibility.