GE Service Manual

IS200BICLH1BAA

1. Description

IS200BICLH1BAA Technical Specifications

2. Specifications

Specification	Value
Manufacturer	**General Electric**
Series	**Mark VI Speedtronic**
Part	**Number IS200BICLH1BAA**
Product	**Type Bridge Interface Board**
Functional	**Abbreviation BICL**
Revision	**Total 3 Revisions**
Backwards-Compatibility	**1st two revisions**
About	**the IS200BICLH1BAA**
The	**IS200BICLH1BAA is a GE printed circuit board manufactured as a component for the Mark VI series. The Mark VI is the fifth iteration of GE's Speedtronic series for gas and steam turbine management. The Mark VI Turbine Control System Series containing this IS200BICLH1BAA product, as it is known at length, actually exists with a series of specific intended functional applications in the control and management systems of General Electric-aligned gas, steam, and even wind turbine automated drive assemblies, as its full extended series title should have indicated. This IS200BICLH1BAA product's Mark VI Series is generally defined as a lasting and important improvement upon the previously-released Mark V Turbine Control System Series of a similar ful**

3. Product Information

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Hardware Tips and Specifications

The MKVI is designed with close coordination between hardware and software, starting with a control module with a 13- or 21-slot VME card rack. Mark VI series is available in Simplex and Triple redundant forms for small applications and for large integrated systems with modules ranging from one to many. The IS200BICLH1BAA functions as an IGBT Drive/Source Bridge Interface board. The board interfaces between the main control board and boards like the BPIA/BPIB or the SCNV board. The IS200BICLH1BAA also provides bridge and ambient temperature monitoring, as well as a panel and system fault string interface. Control logic on the IS200BICLH1BAA is configured in the CPU of the main control board using an electronically programmable logic device, or EPLD. The IS200BICLH1BAA is built with two backplane connectors. These are marked P1 and P2. These plug into a VME type rack. No other connectors are located on the board. The board has very few components but does have a serial 1024-bit memory device, as well as four relays. Each relay has a relay diagram printed on its top surface. The board has no test points, fuses, or adjustable hardware.

Our warehouse team will protect the IS200BICLH1BAA with anti-static material during shipment to your facility. The board should be treated as static-sensitive at all times. Installation procedures can be found in GE publication GEI-100264. These originally-printed instructional manual materials go into detail about a specific series of especially-crucial BICL Control Board hardware components, with the first truly existing as the Fan Speed PWM Output. This IS200BICLH1BAA printed circuit board product offering's Fan Speed PWM Output, again as described above, exists as an open and isolated style of collector transistor component, that has singular resistors stored in series with the collector. In the greater Mark VI Turbine Control System Series' automated drive assembly, when this IS200BICLH1BAA device's PWM line from the EPLD component board is considered to be taken high. When the transistor is off, this IS200BICLH1BAA device's fan component will essentially be off as a result, understandably enough. This IS200BICLH1BAA product's general fan speed does also in fact increase as a function of longer or shorter detected PWM output.