GE GE □□□ Series Service Manual

IS200SPIDG1ABA

1. Description

IS200SPIDG1A IS200SPIDG1ABA Technical Specifications

2. Specifications

Specification	Value
Functional	**Part Number IS200SPIDG1ABA IS200SPIDG1A**
Functional	**Acronym SPID**
Manufacturer	**General Electric Speedtronic**
Mount	**Metal Chassis**
Port	**I/O for IS220PPRFH units**
Weight	**Less than 1 lb**
Revision	**Quantity 3 Revisions**

3. Product Information

IS200SPIDG1A IS200SPIDG1ABA Technical Specifications

Functional Part Number IS200SPIDG1ABA IS200SPIDG1A

Functional Acronym SPID

Manufacturer General Electric Speedtronic

Mount Metal Chassis

Port I/O for IS220PPRFH units

Weight Less than 1 lb

Revision Quantity 3 Revisions

About the IS200SPIDG1ABA

This is the Model IS200SPIDG1ABA from General Electric Fanuc MKVIe Profibus-DP Master Comm or Master Communications Board. This unit is usually paired with IS220PPRFH1B PROFIBUS Master Gateway I/O Module. This allows the PPRF unit to be attached and mounted into an ordinary or non-hazardous location. Unfortunately, this information here represents about the extent of relevant IS200SPIDG1ABA Board information that is available online upon an analysis of its barely-existing original instructional manual materials. With this being the case, it can be assumed that this IS200SPIDG1ABA component printed circuit board's initial voltage suppression and limitation strategy involves the incorporation of a specific series of Mark VI Series-standardized hardware components into its normal style of Mark VI Series assembly. Here at AX Control Inc., we buy, sell, and repair many outdated and/or broken models that have been discontinued by their original manufacturer so your company's factory floor can get back up and running quickly and inexpensively.

Respective IS200SPIDG1ABA Catalog Number

This IS200SPIDG1ABA device, while not surrounded by any great plethora of originally-designed instructional manual materials on the internet, still benefits from its General Electric original manufacture as it makes use of the IS200SPIDG1ABA functional product number that was uniquely designed to present a number of relevant IS200SPIDG1ABA Board hardware specification in a select series of consecutively-arranged functional naming segments. For starters, this IS200SPIDG1ABA functional product number begins with the dual-functional IS200 series tag delegating this IS200SPIDG1ABA device's normal Mark VI Series assembly as well as this PCB's domestic original manufacture location. Immediately following this initial dual-functional naming component in the IS200SPIDG1ABA functional product number is an instance of the SPID functional product abbreviation created to exists as a functional shorthand alternative to the lengthy IS200SPIDG1ABA product number itself:

this segment is followed too in this IS200SPIDG1ABA product number

another dual-functional naming component is the G1 series grouping tag responsible for delegating both this IS200SPIDG1ABA product's group one Mark VI Series product grouping as well as its normal style of standard PCB coating

final three trailing digits in the IS200SPIDG1ABA functional product number are telling of this IS200SPIDG1ABA device's two functional revisions as well as its artwork configuration revision; rated at grades of A, B, and A, respectively

SPECIFICATIONS

Part Number: IS200SPIDG1A

Manufacturer: General Electric

Series: Mark VIe

Operating Temperature: -25 to +50°C

Product Type: Gateway Communication Board

Repair: 3-5 Days

Product of Origin: United States

Availability: In Stock

Manual: GEH-6721

IS200SPIDG1A is a PROFIBUS Master Gateway Terminal Board manufactured and designed by General Electric as part of the Mark VIe Series used in Distributed Control Systems. The I/O pack is mounted on the PROFIBUS Master Gateway Terminal board (SPIDG1A), which also provides an electronic ID. As the PROFIBUS connection is established to the DE-9 D-sub receptacle connector that is exposed on the side of the I/O pack, that connection's only interface is with the I/O pack itself. Indicator LEDs on the I/O pack enable visual diagnostics.

IS200SPIDG1A Installation

• Mount the SPID terminal board firmly.

• Directly connect the PPRF to the connector on the terminal board. Repeat steps 1 and 2 for hot-backup configurations with a second SPID and PPRF.

• Using the threaded inserts next to the Ethernet ports, mechanically secure the packs. The inserts attach to a mounting bracket made especially for the type of terminal board.

• In order to prevent the DC-37 pin connector between the terminal board and the pack from being forced at an angle, the bracket needs to be changed. Once during the course of the product's life will this change be necessary?

• Depending on the setup of the machine, connect either one or two Ethernet wires. The pack can use either port to function.

• The R controller's network should be connected to ENET1 if dual connections are needed, however, the PPRF is not Ethernet connection-sensitive and will negotiate good operation via either port.

• The PROFIBUS cable should be plugged in and secured to the DE-9 D-sub receptacle connection. The PROFIBUS must be terminated on both ends in accordance with PROFIBUS specifications.

• Connect the connector on the pack's side with power. The connector does not need to be inserted with the cable's power disconnected. The PPRF features a built-in soft-start feature that limits current inrush when power is applied.

• To set up the I/O pack and PROFIBUS as necessary, use the ToolboxST program.

Operation

• A fast CPU with flash memory and RAM.

• Two connectorized, totally independent 10/100 Ethernet ports.

• A hardware reset circuit and watchdog timer.

• A temperature sensor inside.

- LEDs that display status.
- The capacity to read IDs on other boards through electronic means.
- An input power connector with a current limiter and a soft start.
- Local power supplies, with monitoring and sequencing.