GE GE □□□ Series Service Manual

531X111PSHAPG2

1. Description

531X111PSHAPG2 Technical Specifications

2. Specifications

Specification	Value
Manufacturer	**General Electric**
Series	**531x Boards**
Part	**Number 531X111PSHAPG2**
About	**the 531X111PSHAPG2**
The	**GE Terminal Board Relay Card 531X111PSHAPG2 supplies the 5 V dc, 15 V dc, and 24 V dc current used by the drive. It also features the pulse transformer for the motor field circuitry. The GE Terminal Board Relay Card 531X111PSHAPG2 is a replacement board and is designed to be installed only by qualified installers or servicers. Because the drive is a high-voltage device and also contains moving parts that can cause injury, only trained individuals should maintain and service the drive.**

3. Product Information

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Series 531x Boards

Part Number 531X111PSHAPG2

About the 531X111PSHAPG2

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The process of installing the devices starts with inspecting the area around the drive for dangerous conditions. If there are any extension cords used in the area around the drive, only grounded extension cords can be used. Replace any two-wire cords with three-wire cords to reduce the chance of electric shock. The floor around the drive must be free of all moisture and also move any items that pose a trip hazard. This would include tools, cables, and other equipment.

Inspect all 3-phase power cabling in the area and consult with a individual familiar with the site to have full knowledge of the power supplied to the drive. Also, locate and inspect the shut off equipment used for the drive. Make sure the emergency shut off is in working order and can be reached easily in an emergency.

Never work on a drive without at least one other individual dedicated to being nearby and able to help in an emergency. This individual must be familiar with the site and emergency procedures.

The 531X111PSHAWG1 is a Motor Field Control and Power Supply Board manufactured and designed by General Electric as part of the 531X Series used in Drive Control Systems.

This board functions as a motor field control board and power supply. Installing the card provides the power sources required for the proper operation of the host drive.

This card, which was developed as a G3 board version, has MOVs for the AC line that are not placed on the board.

FEATURES:

Three power supplies are provided by the board. Users can choose between 5 VDC, 15 VDC, and 24 VDC for the required voltage.

The card also includes an inbuilt pulse transformer that supplies power to the motor field circuitry of the installed drive.

A number of extra functions are also available on the board. The card has three relay points onboard.

The user can utilize these relays to control system functions on the board. Three potentiometers and five jumpers are also included on the card.

The potentiometers are used to regulate the current and circuit feedback, while the jumpers are used to calibrate the current and feedback signals.