GE GE □□□ Series Service Manual

IS410SRLYS2A

1. Description

SPECIFICATIONS:

3. Product Information

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Part Number: IS410SRLYS2A

Manufacturer: General Electric

Series: Mark VIeS

Product Type: Simplex Terminal Board

Number of channels: 12

Technology: Surface-mount

Common Mode Voltage Range: +5 V dc

Maximum Lead Resistance: 15Ω

Analog output current: 0-20 mA

Operating temperature: -30 to 65 °C

Size: 15.9 cm high x 17.8 cm wide

Frequency: 50 or 60 Hz

Humidity: 5 to 95%

Repair: 3-7 Day

Availability: In Stock

Weight: 2 lbs

Country of Origin: United States

FUNCTIONAL DESCRIPTION:

IS410SRLYS2A is a Simplex Terminal Board manufactured and designed by General Electric as part of the Mark VIe Series used in GE Distributed Turbine Control Systems. A Simplex terminal board is a component used in electrical and electronic systems for connecting and terminating wires. It provides a central location for connecting multiple wires and devices, allowing for easier troubleshooting, maintenance, and modification of the system. The terminal board typically consists of a flat board or panel with multiple terminals or screw connections. These terminals provide points for attaching wires or cables using screws, clamps, or other types of connectors. The board may have markings or labels to identify each terminal, making it easier to organize and locate specific connections. Simplex terminal boards are commonly used in various applications, including industrial control systems, telecommunications, power distribution, and electronic equipment. They serve as a convenient interface for connecting wires from different components or subsystems, allowing for efficient wiring management.

KEY FEATURES AND FUNCTIONS:

Simplex terminal boards come with various features that enhance their functionality and usability. Here are some common features you may find in a Simplex terminal board:

Terminal Types: Simplex terminal boards offer different types of terminals to accommodate various wire connection methods. The most common types include screw terminals, spring terminals, barrier terminals, and stud terminals. These terminals allow for secure and reliable wire connections.

Terminal Markings: Terminal boards often have markings or labels near each terminal. These markings can be alphanumeric codes, numbers, or labels that help identify and organize the connections. Clear and visible markings make it easier to trace and troubleshoot wiring in the system.

Mounting Options: Simplex terminal boards are designed for easy installation. They may feature mounting holes or brackets that allow for secure attachment to panels, walls, or other surfaces. Some terminal boards are designed for DIN rail mounting, which provides a standardized method for mounting electrical equipment.

Durability and Material: Terminal boards are commonly made from durable materials such as thermoplastics, thermosetting plastics, or metals like stainless steel. These materials provide mechanical strength, resistance to environmental factors, and durability for long-term use.