GE Service Manual

IC754VGI06SKD

1. Description

The IC754VGI06SKD keypad module is an operator interface from FANUC. It has a 6-inch STN display, 320 x 240 pixels of resolution, and RS-232, Ethernet, and USB communication ports.

2. Specifications

Specification	Value
Manufacturer	**GE Fanuc Emerson**
Product	**Line Quickpanel**
Part	**Number IC754VGI06SKD**
Weight	**10.06 lbs (4.56 kg)**
Product	**Description Operator Interface/KeyPad Module**
Display	**Size 5.7 inches (Diagonal)**
Display	**Type STN**
Resolution	**320 x 240 pixels**
Memory	**(DRAM) 32 MB**
Memory	**(Expandable) Up to 96 MB**
Communication	**Ports Serial, Ethernet, USB**
Communication	**Expansions GE Genius, Data Highway, DeviceNet, PROFIBUS**
Input	**Voltage 12 Volts DC or 24 Volts DC**
Power	**Consumption >24 watts at 24 Volts DC**
LED	**indicators Bi-color (pwr), tri-color (user)**
Enclosure	**ratings IP 65**

3. Product Information

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Technical specifications for IC754VGI06SKD

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Enclosure ratings IP 65

Description

The IC754VGI06SKD operator interface is a QuickPanel display interface with a keypad. It is based on the XScale microprocessor and it provides high performance within a small footprint. The operating system of the QuickPanel keypad interface is the Microsoft Windows CE.NET operating system and it is stored in a 16 MB block of flash memory. A copy of it can be found in the DRAM for execution. The display employs the passive STN technology and the resolution of the display is 320 x 240 pixels. It supports a maximum of 65,536 colors in its graphics. The keypad is coupled with a resistive touchscreen panel that has a 12-bit resolution. The IC754VGI06SKD QuickPanel keypad interface has a tri-color programmable LED (green, red, or amber) for providing updates about the status of the device to the users. The touchscreen comes calibrated properly and using a blunt stylus to control it is recommended. However, the operators can also use their fingers to actuate the touchscreen.

The Allen-Bradley IC754VGI06SKD QuickPanel display interface has a general-purpose bidirectional serial data channel (COM1), a compact flash port (CF port), a full or half-duplex Ethernet port, and an expansion bus for communication. It has 4 dip switches for control. The IC754VGI06SKD QuickPanel display interface is ready to use after a few configurations. The gasket attached to the back of the keypad bezel prevents the damage caused by liquids entering the unit. The left LED glows amber if both backlights fail. The backlights of the device are not field-replaceable. The QuickPanel keypad interface supports a variety of memory subsystems to ensure that the requirements of the application are met. The enclosure of the device is IP 65 rated and the material the keypad is made of AutoFlex EBA10 polyester.