GE Service Manual

IC754VSI06STD

1. Description

The GE Fanuc is a IC754VSI06STD is a Human Machine Interface (HMI) device from the QuickPanel View product family. This HMI features a 6-inch Colored TFT screen, Touchscreen input interface, 32 MB Flash Memory, 512KB SRAM, 32 MB DRAM, 512KB Boot loader. It has One (1) Ethernet interface, One (1) Serial EIA232C/EIA485, DP25S combo port communication interfaces. It has Windows CE Operating System.

2. Specifications

Specification	Value
Manufacturer	**GE Fanuc Emerson**
Product	**Type Operator Panel**
Product	**Line Quickpanel**
Part	**Number IC754VSI06STD**
Weight	**2.06 lbs (0.94 kg)**
Display	**Size 6"**
Processor	**Intel XScale PXA255**
Clock	**Speed 300 Mhz**
Display	**Resolution 320 x 240 pixels**
Display	**Type Passive STN transmissive (color)**
Operator	**Input Resistive, 12 bit**
Integral	**Memory FLASH 32 MB SRAM 512KB (power off retention is the life of the battery) DRAM 32 MB ROM 512 KB (Boot loader)**
Interface	**One (1) Ethernet interface, One (1) Serial EIA232C/EIA485, DP25S combo port**
Operating	**System (OS) Windows CE Operating System.**
Power	**Supply 12 to 30 VDC**
Real	**Power 24 W**
Connector	**Phoenix Contact, 1777992**
Display	**Color Color**
Input	**Type Touchscreen**
Communication	**RS232 and RS485**
Input	**Power 12 - 30 VDC**
Memory	**32 MB**
Communication	**Cable HMI-CAB-C67**

3. Product Information

The GE Fanuc is a IC754VSI06STD is a Human Machine Interface (HMI) device from the QuickPanel View product family. This HMI features a 6-inch Colored TFT screen, Touchscreen input interface, 32 MB Flash Memory, 512KB SRAM, 32 MB DRAM, 512KB Boot loader. It has One (1) Ethernet interface, One (1) Serial EIA232C/EIA485, DP25S combo port communication interfaces. It has Windows CE Operating System.

Technical specifications for IC754VSI06STD

Manufacturer GE Fanuc Emerson

Product Type Operator Panel

Product Line Quickpanel

Part Number IC754VSI06STD

Weight 2.06 lbs (0.94 kg)

Display Size 6"

Processor Intel XScale PXA255

Clock Speed 300 Mhz

Display Resolution 320 x 240 pixels

Display Type Passive STN transmissive (color)

Operator Input Resistive, 12 bit

Integral Memory FLASH 32 MB SRAM 512KB (power off retention is the life of the battery) DRAM 32 MB ROM 512 KB (Boot loader)

Interface One (1) Ethernet interface, One (1) Serial EIA232C/EIA485, DP25S combo port

Operating System (OS) Windows CE Operating System.

Power Supply 12 to 30 VDC

Real Power 24 W

Connector Phoenix Contact, 1777992

Display Color Color

Input Type Touchscreen

Communication RS232 and RS485

Input Power 12 - 30 VDC

Memory 32 MB

Communication Cable HMI-CAB-C67

Description

The General Electric (GE) Fanuc Industrial microcomputer with part number IC754VSI06STD is a Human Machine Interface (HMI) device, capable of linking and providing operators with a convenient and centralized monitoring and control workstation within the factory floor. This computer supports flush mounting installation to industrial enclosures rated NEMA 4, 4x and 12 or IP65 equivalent enclosures.

The IC754VSI06STD has a bezel made of Valox 357U with membrane material of Lexan HP60. The enclosure dimension is 4.86 in (126mm) x 6.14 in (158mm) x 2.76 in (70mm) and requires a panel cutout of 4.86” (H) x 6.14” W) while the bezel dimensions are 6.17” (156.7mm) (H) x 8 in. (203.2mm) (W).

It comes with a variety of communication interfaces such as One (1) RS232 / 422 / 485 combo port used for point-to-point or multi-drop communication. Aside from this, the IC754VSI06STD also supports modern communication protocol through the built-in Ethernet communication port that supports 10/100 Mbps that is capable of auto-negotiation.

It has a 5.7” inch Passive STN transmissive (color) with 65,536 colors along a resolution of 320 x 240 pixels. It has a touch sensitive membrane enabling operators interact to the machine or process through directly touching an area of the screen where a runtime object or icon is situated. This input method provides more convenience and contributes to faster operator response time.

The IC754VSI06STD has a configuration and maintenance environment running a Windows CE Operating System. The HMI application that is processed by the IC754VSI06STD must be developed using the Proficy Machine Edition programming software.

The IC754VSI06STD module operates at 24 Volts DC (in a 10.8 to 30 Volts DC voltage range) input and it consumes a maximum of 24 Watts of power. Two LEDs are provided for status information and to aid in troubleshooting: one bi-color LED for power and one tri-color LED which is user-programmable. The dimensions of the IC754VSI06STD module are 157 x 203 x 22 millimeters and it requires a cut-out with dimensions of 12 x 158 x 70 millimeters for installation. The IC754VSI06STD module is available in an IP65 rated NEMA 4/12/4X enclosure. The operating temperature range is from 32 to 140 degrees Fahrenheit and 10 to 90% is the ambient operating relative humidity range. Agency approvals for the IC754VSI06STD include the CE Mark, ATEX (Class 1, Zone 2) and the UL-Class 1 Division 2 (A, B, C, D).