GE Service Manual

IC754CSF12CTD

1. Description

Technical specifications for IC754CSF12CTD

2. Specifications

Specification	Value
Manufacturer	**GE Fanuc Emerson**
Product	**Line Quickpanel**
Part	**Number IC754CSF12CTD**
Weight	**6.63 lbs (3.01 kg)**
Display	**Size 12 in.**
Display	**Color Color**
Input	**Type Touchscreen**
Communication	**RS232 and RS485**
Input	**Power 12 or 24 VDC**
Memory	**64 MB**
Communication	**Cable HMI-CAB-**

3. Product Information

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Product Line Quickpanel

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Communication Cable HMI-CAB-

Description

The IC754CSF12CTD is an all-in-one microcomputer QuickPanel View Control, manufactured by GE Fanuc that enables the users to interface with their machines from one terminal. The GE Fanuc IC754CSF12CTD QuickPanel View controller is part of the PLCs, I/O modules, and power supply category of the General Electric and Fanuc catalog. The GE Fanuc IC754CSF12CTD QuickPanel View controller features a 12-inch color display that is a widescreen TFT LCD that has a resolution of 800 x 480 pixels WVGA, it uses the Microsoft Windows Embedded Compact 7 as the operating system, its software consists of a full 32-bit O/S that has a graphical user interface. The GE Fanuc IC754CSF12CTD QuickPanel View controller features a 30 Volts DC maximum rated voltage, and 15W of power consumption. Its frame ground is connected to the signal ground internally. The GE Fanuc IC754CSF12CTD QuickPanel View controller is based on an advanced ARM core microprocessor and a high-resolution touchscreen operator interface that has several communication options. The GE Fanuc IC754CSF12CTD QuickPanel View controller enables the users to connect other devices by using the Proficy View-Machine Edition software and an RS-232 and an RS-485 communication port with an HMI-CAB-communication cable.

The GE Fanuc IC754CSF12CTD QuickPanel View controller’s connection to a DC power supply is made by using the supplied quick-connect plug when powering it up. The GE Fanuc IC754CSF12CTD QuickPanel View controller’s operating system is kept in the flash memory and configured to a block of DRAM for execution. The changes made to the Windows registry are saved to the flash memory by backup, and a storage manager is necessary to repair and format lost or corrupted data volumes. The GE Fanuc IC754CSF12CTD is configured with various memory types to meet the requirements for even the most demanding applications. It has a 512 MB section of DRAM split between the operating system, an object storage memory, and application memory. It has a retentive memory that features a 512 KB battery-backed SRAM for data storage to protect valuable user data during a power failure. The GE Fanuc IC754CSF12CTD visual status indication from the tri-color LED also provides an onboard buzzer for audio indications. The LED indicators are 2 that are attached to the Ethernet port for links and activity. The GE Fanuc IC754CSF12CTD should be installed in a location possessing the following characteristics: a 0 to 50 degrees Celsius ambient operating temperature range, a -20 to +60 degrees Celsius ambient temperature range for storage, a maximum relative humidity rating for both operating and storage is 85%, a pollution degree of two as illustrated in the UL60950-1, a vibration resistance of 5 to 9 Hertz for a single amplitude of 3.5 millimeters and a resistance of 9 to 150 Hertz for a constant accelerated velocity of 9.8m/s. The IP65 and JEM1030 are the recommended enclosure ratings when installing the GE Fanuc IC754CSF12CTD QuickPanel View controller.