GE Service Manual

IC754VGB06CTD

1. Description

Technical specifications for IC754VGB06CTD

2. Specifications

Specification	Value
Manufacturer	**GE Fanuc Emerson**
Product	**Line Quickpanel**
Part	**Number IC754VGB06CTD**
Weight	**6.63 lbs (3.01 kg)**
Display	**Size 6 in.**
Display	**Color Color**
Input	**Type Touchscreen**
Communication	**RS232 and RS485**
Input	**Power 12 - 30 VDC**
Memory	**32 MB**
Communication	**Cable HMI-CAB-C120**

3. Product Information

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Product Line Quickpanel

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Communication Cable HMI-CAB-C120

Description

The IC754VGB06CTD Quick Panel Operator Interface Terminal by General Electric (GE) is a 6-inch operator interface device, with a basic color TFT display in Thin Bezel which allows for interface and control of a machine’s operation. The IC754VGB06CTD can be used as a full HMI module or in combination with a controller. The device offers a graphical display of a machine’s operations, via its display screen with a 320 cells x 240 cells resistive touchscreen, and a display resolution of 320 x 240 Pixel. It also has a display brightness of 300 Nit Luminance and a cold cathode fluorescent backlight with a 50,000-hour half-life. It has an Intel PXA255 processor with a 200 MHz clock speed and it has 16MB of RAM and flash memory, with a 512KB ROM bootloader. The IC754VGB06CTD is a DC-powered device, with 12 to 30V DC input voltage range, and with a power DIP tolerance of -30% for 10ms. It also has a 9W maximum power rating, and it uses a 12 to 18 AWG cable size for conduction. The device’s battery-backed internal clock has ±2 to 3 minutes per month of clock accuracy and a 1s resolution, and its lifespan is approximately 5 years when using a 3V, 190mAh BR2032 lithium battery. The IC754VGB06CTD communicates with devices on the Ethernet/IP network, using the 10/100MB Ethernet/IP RJ45 port, with 30m maximum cable length, and it also serially communicates with external devices via the serial communication port 1, with a 300 bps to 115200 bps selectable speed, and with 1A, 125V fast blow fuse. It has a bezel-domed front panel, with left and right-side LED indicators, and it comes in a NEMA 4, 4x, and 12-rated enclosure. The IC754VGB06CTD has a functional temperature range of -10 to 60°C (14 to 140°F) at 10% to 85% non-condensing humidity, and it is stored at a -20 to 70°C (-4 to 158°F) temperature range. The device can withstand an operating shock of 15G for 11ms, and an operating vibration of 1G, and it is CE, UL. C-UL and ATEX certified. The IC754VGB06CTD weighs approximately 2.26Kg, and it has shipping dimensions of 355.6mm x 304.8mm x 254mm. It weighs 5 lbs.