GE Series 90-30 Series Service Manual

IC695FTB001

1. Description

The IC695FTB001 fiber I/O terminal block by GE Fanuc is intended for the PACMotion RX3i systems and its main purpose is to improve the I/O capability of the systems. The IC695FTB001 terminal block requires 19.2 to 28.8 Volts DC voltage and it has an output current of 0.5 Amps at 5 Volts. The unit provides eight 24 Volts-rated outputs, 16 general-purpose inputs rated at 24 Volts, 4 differential I/O rated at 5 Volts, and eight 5 Volts-rated

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Series 90-30**
Part	**Number IC695FTB001**
Power	**requirements 19.2 to 28.8 Volts DC with 0.45 Amps at 24 Volts**
Power	**output at 5 Volts 0.5 Amps (maximum)**
Number	**of outputs at 24 Volts 8**
Number	**of general-purpose inputs at 24 volts 16**
Number	**of differential inputs/outputs at 5 Volts 4**
Number	**of inputs at 5 Volts 8**
Number	**of analog inputs 2 (+/-10 Volts differential)**
Number	**of analog outputs 2 (+/-10 Volts single-ended)**
PACMotion	**module interface Fiber optic cable**
Mounting	**DIN rail**
Product	**Lifecycle Status* Discontinued/Obsolete**
The	**IC695FTB001 terminal block is an active fiber I/O interface device that is intended for use within industrial environments. The terminal block is made by GE Fanuc and it is designed for use with the GE Fanuc PACMotion RX3i systems. This fiber I/O terminal block can be configured for additional motion-specific functionalities, and it has special marker inputs, touch probe inputs, home switches, and over travel limit switches for these functiona**

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Technical specifications for IC695FTB001

Brand GE Fanuc

Series Series 90-30

Part Number IC695FTB001

Power requirements 19.2 to 28.8 Volts DC with 0.45 Amps at 24 Volts

Power output at 5 Volts 0.5 Amps (maximum)

Number of outputs at 24 Volts 8

Number of general-purpose inputs at 24 volts 16

Number of differential inputs/outputs at 5 Volts 4

Number of inputs at 5 Volts 8

Number of analog inputs 2 (+/-10 Volts differential)

Number of analog outputs 2 (+/-10 Volts single-ended)

PACMotion module interface Fiber optic cable

Mounting DIN rail

Product Lifecycle Status* Discontinued/Obsolete

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The IC695FTB001 I/O terminal block operates on voltage range of 19.2 Volts DC to 28.8 Volts DC and it has a current rating of 0.45 Amps at 24 Volts. In addition to that, the unit’s power consumption ratings in steady-state operation include 4 Watts or 80 milliAmps at 5 Volts DC, 2.16 Watts or 90 milliAmps at 24 Volts DC (ADC405), and 7 Watts or 140 milliAmps at 5 Volts DC and 1.2 Watts or 50 milliAmps at 24 Volts DC (ADC410). The IC695FTB001 unit includes quad encoder open-circuit detection and its I/O functions can be assigned when the configuration of the hardware module takes place. The terminal block also includes electronic overload protection and 5 Volts of output power with a maximum current rating of 0.5 Amps. The IC695FTB001 fiber I/O terminal block uses a fiber optic cable for interfacing with a PACMotion module and the maximum cable length that it can support is 100 meters.