GE Series 90-30 Series Service Manual

IC693TCM302

1. Description

The IC693TCM302 temperature control module that is manufactured by GE Fanuc is part of Series 90-30. The IC693TCM302 module is a thermocouple input module and it has an output voltage range of 18 to 30 Volts DC. The unit has a load current of 100 milliAmps and a maximum off-state leakage of 0.1 milliAmps. The module uses an internal power of 150 milliAmps at 5 Volts DC and

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Series 90-30**
Part	**Number IC693TCM302**
Output	**voltage range 18 to 30 Volts DC**
External	**power supply 18 to 36 Volts DC (2.5 Amps inrush)**
Off-state	**leakage (maximum) 0.1 milliAmps**
Load	**current 100 milliAmps**
Internal	**power used 150 milliAmps at 5 Volts DC**
Number	**of channels 8 input / 8 output**
Overload	**threshold current 700 milliAmps typical, 2 milliseconds minimum**
Thermocouple	**impedance 30 Ohms (maximum)**
Operating	**temperature 0 to 55 degrees Celsius (32 to 131 degrees Fahrenheit)**
Storage	**temperature -40 to 85 degrees Celsius (-40 to 185 degrees Fahrenheit)**
Product	**Lifecycle Status* Discontinued/Obsolete**
The	**IC693TCM302 module is a temperature control module that is used for GE Fanuc programmable logic controllers or PLCs from Series 90-30. This high-performance and reliable industrial temperature control module is designed and manufactured by GE Fanuc and it allows the users to benefit from use of 8 input and output channels. The main purpose of this module is to make**

3. Product Information

The IC693TCM302 temperature control module that is manufactured by GE Fanuc is part of Series 90-30. The IC693TCM302 module is a thermocouple input module and it has an output voltage range of 18 to 30 Volts DC. The unit has a load current of 100 milliAmps and a maximum off-state leakage of 0.1 milliAmps. The module uses an internal power of 150 milliAmps at 5 Volts DC and

Technical specifications for IC693TCM302

Brand GE Fanuc

Series Series 90-30

Part Number IC693TCM302

Output voltage range 18 to 30 Volts DC

External power supply 18 to 36 Volts DC (2.5 Amps inrush)

Off-state leakage (maximum) 0.1 milliAmps

Load current 100 milliAmps

Internal power used 150 milliAmps at 5 Volts DC

Number of channels 8 input / 8 output

Overload threshold current 700 milliAmps typical, 2 milliseconds minimum

Thermocouple impedance 30 Ohms (maximum)

Operating temperature 0 to 55 degrees Celsius (32 to 131 degrees Fahrenheit)

Storage temperature -40 to 85 degrees Celsius (-40 to 185 degrees Fahrenheit)

Product Lifecycle Status* Discontinued/Obsolete

The IC693TCM302 module is a temperature control module that is used for GE Fanuc programmable logic controllers or PLCs from Series 90-30. This high-performance and reliable industrial temperature control module is designed and manufactured by GE Fanuc and it allows the users to benefit from use of 8 input and output channels. The main purpose of this module is to make it easier for the users to control and monitor the temperature of their machines and systems. The input channels of the IC693TCM302 module are thermocouple input channels and its output channels are used for control purposes. The IC693TCM302 module has an output voltage range of 18 to 30 Volts DC and a load current of 100 milliAmps. In addition to that, the unit has a voltage rating of 18 to 36 Volts DC when it is used with an external power supply. The unit has an internal power rating of 150 milliAmps at a voltage of 5 Volts DC and it has a maximum off-state leakage current of 0.1 milliAmps.

The GE Fanuc Series 90-30 IC693TCM302 temperature control module features a typical overload threshold current of 700 milliAmps at a minimum of 2 milliseconds and a maximum thermocouple impedance rating of 30 Ohms. This module has an operating temperature range of 0 to 55 degrees Celsius (32 to 131 degrees Fahrenheit) and a storage temperature range of -40 to 85 degrees Celsius (-40 to 185 degrees Fahrenheit). The IC693TCM302 temperature control module allows the users to choose either the automatic operating mode or the manual operating mode, depending on the requirements of the application for which it is used. This component also has 12 LED indicators for thermocouple status updates and they provides information about faults such as reverse polarity faults and open-circuit faults.