# GE Series 90-30 Series Service Manual

IC693CMM301

## 1. Description

The IC693CMM301 Genius Communications Module from GE Fanuc Series 90-30 can exchange up to 256 bits of global data with computers, handheld programmers, GE Series 90-30 PLCs, and GE Series 90-70 PLCs. It can be configured with software or a handheld programmer.

## 2. Specifications

| Specification | Value |
|---|---|
| Manufacturer | **GE Fanuc** |
| Series | **Series 90-30** |
| Part | **Number IC693CMM301** |
| Product | **Type Genius Communications Module** |
| Compatible | **Host PLCs Series 90-30 PLCs** |
| Data | **Type Global Data** |
| Maximum | **Data Rate 256 Bits (32 Bytes)** |
| LEDs | **2 (OK LED and COM LED)** |
| Operating | **Temperature 32 to 140 degrees Fahrenheit** |
| Storage | **Temperature -13 to 158 degrees Fahrenheit** |
| Product | **Lifecycle Status* Discontinued/Obsolete** |
| The | **GE Fanuc IC693CMM301 module is a Series 90-30 Genius Communications Module. This module is made to communicate automatically. It makes “global data” communications possible between a GE Fanuc Series 90-30 PLC and as many as 7 additional devices with a Genius bus. Global data communications are communications that involve data which is transmitted repeatedly and automatically and which can be received by multiple devices with a shared database. Some of the devices that the IC693CMM301 Genius Communications Module can provide global data to include GE Series 90-30 PLCs, GE Series 90-70 PLCs, a computer that** |

## 3. Product Information

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Technical specifications for IC693CMM301

Manufacturer GE Fanuc

Series Series 90-30

Part Number IC693CMM301

Product Type Genius Communications Module

Compatible Host PLCs Series 90-30 PLCs

Data Type Global Data

Maximum Data Rate 256 Bits (32 Bytes)

LEDs 2 (OK LED and COM LED)

Operating Temperature 32 to 140 degrees Fahrenheit

Storage Temperature -13 to 158 degrees Fahrenheit

Product Lifecycle Status* Discontinued/Obsolete

The GE Fanuc IC693CMM301 module is a Series 90-30 Genius Communications Module. This module is made to communicate automatically. It makes “global data” communications possible between a GE Fanuc Series 90-30 PLC and as many as 7 additional devices with a Genius bus. Global data communications are communications that involve data which is transmitted repeatedly and automatically and which can be received by multiple devices with a shared database. Some of the devices that the IC693CMM301 Genius Communications Module can provide global data to include GE Series 90-30 PLCs, GE Series 90-70 PLCs, a computer that is used for programming and configuration applications, and another computer with a PCIM card that is used for data monitoring applications.

The GE Fanuc IC693CMM301 Genius Communications Module can exchange a maximum of 32 bytes or 256 bits of data in total. It is easy to connect the IC693CMM301 Genius Communications Module to the backplate of the PLC that hosts it. This module has no jumpers or DIP switches, so it must be configured with a handheld programmer or with the proper system programming software. There are 2 LEDs on the IC693CMM301 Genius Communications Module. The OK LED means that the module has completed and passed its powerup test and that it is operating properly. The COM LED means that the module has been initialized by a Series 90-30 GE PLC and that the module is receiving bus communications. The COM LED will stay on after a successful startup and throughout operation unless there is a significantly high number errors, which will cause the COM LED to blink.