GE Series 90-70 Series Service Manual

IC687RCM711

1. Description

The GE Fanuc Automation IC687RCM711 redundancy communications module is applied to a hot standby CPU redundancy system. It requires a current of 1.2 Amps and it comes with 5 LED indicators and a pushbutton.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Series 90-70**
Part	**Number IC687RCM711**
Type	**Redundancy communications module**
Current	**required 1.2 Amps (From 5V Bus)**
Maximum	**cable length 15 m**
Effective	**data rate 500 KB/sec**
Electrical	**isolation Non-isolated differential communication**
VME	**Designed to support VME standard C.1**
LED	**indicators Yes, 5**
Pushbutton	**Yes**
Connectors	**Two, top and bottom**
Systems	**Hot Standby and Enhanced Hot Standby CPU Redundancy system**
The	**IC687RCM711 communications module is designed and distributed by GE Fanuc Automation. This part is used in a system known as a “Hot Redundancy System”. The purpose of the part is to synchronize the CPUs that are installed in this system. It uses existent data in the back-up unit to perform this specific operation. The module can also be used to transfer data from one CPU to another when connected to this system. The GE Fanuc Automation IC687RCM711 communications module can be wired with at least 7.5 meters of cable. It is compatible with the GE IC697 series C**

3. Product Information

The GE Fanuc Automation IC687RCM711 redundancy communications module is applied to a hot standby CPU redundancy system. It requires a current of 1.2 Amps and it comes with 5 LED indicators and a pushbutton.

Technical specifications for IC687RCM711

Brand GE Fanuc

Series Series 90-70

Part Number IC687RCM711

Type Redundancy communications module

Current required 1.2 Amps (From 5V Bus)

Maximum cable length 15 m

Effective data rate 500 KB/sec

Electrical isolation Non-isolated differential communication

VME Designed to support VME standard C.1

LED indicators Yes, 5

Pushbutton Yes

Connectors Two, top and bottom

Systems Hot Standby and Enhanced Hot Standby CPU Redundancy system

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The GE Fanuc Automation IC687RCM711 communications module performs data transfers with a speed of up to 500 KB per second. Unlike other similar devices, this communications module does not require any kind of isolation. This module also includes 5 LED indicators that are green to show the current status of the application process and the CPUs. For a human-machine interface, the GE Fanuc Automation IC687RCM711 communications module has a physical pushbutton. The function of this button is to change the control from the unit to the back-up unit when required. It is necessary that both units be ready to use, and once they have been switched, it is necessary to wait 10 seconds to switch them back again. This module has a current rating of 1.2 Amps.