GE RX3i PacSystem Series Service Manual

IC695LRE001

1. Description

The IC695LRE001 Serial IC695MDL664 is manufactured by GE Intelligent Platforms/GE Fanuc. It belongs to the GE Fanuc RX3i product line and it provides communications between remote backplanes and serial expansion backplanes and the PAC Systems RX3i universal backplane.

2. Specifications

Specification	Value
Brand	**GE Intelligent Platforms/GE Fanuc**
Series	**RX3i PacSystem**
Part	**Number IC695LRE001**
Product	**Line RX3i**
Catalog	**IC695**
Module	**Type Serial Bus Transmitter**
Number	**of Slots 1 (single slot)**
Current	**Required 132 mA at 5 V DC**
Communication	**RS-232**
Effective	**Data Rate 500 kbps**
Maximum	**Cable Length 50 ft**
Remote	**Expansion Cable Length 700 ft**
Electrical	**Isolation Non-isolated differential communications**
LED	**Indicators 2**
The	**GE Fanuc IC695LRE001 module is a serial bus transmitter module manufactured by GE Intelligent Platforms/GE Fanuc as part of the RX3i series. This module is designed and intended to provide communications between the serial expansion and remote backplanes and the RX3i PacSystems universal backplane. Its function is to translate the levels within the universal backplane to signal levels as needed by the serial expansion backplane. The IC695LRE001 serial bus terminal has a single slot. It comes with the RS-232 serial port for communication purposes and it has an effective data rat**

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Technical specifications for IC695LRE001

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Series RX3i PacSystem

Part Number IC695LRE001

Product Line RX3i

Catalog IC695

Module Type Serial Bus Transmitter

Number of Slots 1 (single slot)

Current Required 132 mA at 5 V DC

Communication RS-232

Effective Data Rate 500 kbps

Maximum Cable Length 50 ft

Remote Expansion Cable Length 700 ft

Electrical Isolation Non-isolated differential communications

LED Indicators 2

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When a backplane power of 5 Volts is applied to the GE Fanuc IC695LRE001 serial bus transmitter module, the "Expansion OK" LED turns on. The "Expansion Active" LED shows the expansion bus status, with the LED turning on when the expansion module communicates with the expansion backplanes. The "Expansion Active" LED turns off when the module and expansion backplanes are not communicating with each other. The IC695LRE001 serial bus transmitter module also features a connector on the front side that is used for attaching the expansion cable. Other specifications of this module include 132 milliamps of current that is required from the backplane at 5 Volts and 0 milliamps of required current at 3.3 Volts.