GE Series 90-70 Series Service Manual

IC697MDL254

1. Description

The GE Fanuc IC697MDL254 discrete input module is manufactured as part of the Series 90-70 product line. It operates on a voltage rating of 48 Volts AC and it has 32 input points divided into 4 groups each with 8 points. This means that each group with 8 points can be used as a separate phase of an AC power supply.

2. Specifications

Specification	Value
Brand	**GE Intelligent Platforms/GE Fanuc**
Series	**Series 90-70**
Part	**Number IC697MDL254Â**
Product	**Type Input Module**
Rated	**Voltage 48 V AC**
Inputs	**32**
Input	**Current 4.7 mA**
Current	**Required 0.30 A**
Frequency	**47-63 Hz**
DC	**Power No**
AC	**Power Yes**
LED	**Indicators Yes**
The	**IC697MDL254 module is a discrete input module manufactured by GE Fanuc for the Series 90-70 product line. This module has a voltage rating of 48 Volts AC with 32 points separated into 4 different groups with 8 points each, meaning every group of 8 points can be used on a separate phase of the AC power supply. It has resistive inputs with IEC standard current-voltage type 1 characteristics, which are well-matched with various proximity switches. The module requires a current power of 0.3 Amps from a 5-Volt backplane bus. The GE Fanuc IC697MDL254 input module features LED indicators that show the on and off status of every input point. The module also features mechanical keying, ensuring that the replacements with a corresponding module**

3. Product Information

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Technical specifications for IC697MDL254

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The configuration of the GE Fanuc IC697MDL254 input module can be done by using the MS-DOS configuration function or the Windows OS programming software. The configuration function of the programming software is installed on the device that is used for programming. The IC697MDL254 input module is compatible with a wide range of limit switches, pushbuttons, selector switches, limit switches, and 2 or 3-wire electronic switches. The input circuit provides a powerful current that enables the switching device to offer reliable operation with an input current of about 10 milliamps in the on-state and it allows for up to 2 milliamps of leakage current in the off-state without turning it on. The mechanical key functionality of the IC697MDL254 input module prevents the unauthorized replacement of a single module type in a particular slot.