# GE Series 90-70 Series Service Manual

IC697MDL654

## 1. Description

The IC697MDL654 module is a positive/negative logic input module that comes with 32 input points and rated voltage of 48 Volts DC. The module has an input current rating of 4.7 milliAmps and it is designed for input voltage range of -3 to 56 Volts DC. The unit is produced by GE Fanuc and it is part of GE Series 90-70.

## 2. Specifications

| Specification | Value |
|---|---|
| Brand | **GE Fanuc** |
| Series | **Series 90-70** |
| Part | **Number IC697MDL654** |
| Rated | **voltage 48 Volts DC** |
| Input | **current 4.7 milliAmps** |
| Input | **voltage range -3 to 56 Volts DC** |
| Required | **current 0.3 Amps** |
| Number | **of inputs per module 32** |
| Isolation | **voltage 1500 Volts** |
| ON-state | **voltage 33 to 56 Volts** |
| OFF-state | **voltage 0 to 10 Volts** |
| ON-state | **current 3 to 8 milliAmps** |
| OFF-state | **current 0 to 2 milliAmps** |
| The | **IC697MDL654 module is a GE Fanuc positive/negative logic module that operates as input component for industrial machine systems that are based on programmable controllers. The module is part of the GE Fanuc IC697MDL Series 90-70 product line and it has 32 inputs. The IC697MDL654 module is compatible with various electronic devices and it is capable of working as both a positive logic component and a negative logic component. The unit is used with 2-wire and 3-wire switches with a voltage drop of 3 milliAmps at 5 Volts. The module is designed for rack mounting and it does not need much space for proper ventilation. Howe** |

## 3. Product Information

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Technical specifications for IC697MDL654

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Series Series 90-70

Part Number IC697MDL654

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Input voltage range -3 to 56 Volts DC

Required current 0.3 Amps

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ON-state voltage 33 to 56 Volts

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The IC697MDL654 module is a GE Fanuc positive/negative logic module that operates as input component for industrial machine systems that are based on programmable controllers. The module is part of the GE Fanuc IC697MDL Series 90-70 product line and it has 32 inputs. The IC697MDL654 module is compatible with various electronic devices and it is capable of working as both a positive logic component and a negative logic component. The unit is used with 2-wire and 3-wire switches with a voltage drop of 3 milliAmps at 5 Volts. The module is designed for rack mounting and it does not need much space for proper ventilation. However, the users of the module should follow the manufacturer's basic guidelines for wiring and installation in order to get the best out of their module.

The IC697MDL654 input module is a 48 Volts rated device and it requires a DC power source. For the 5 Volts input voltage, the module has an off-state current of 0 to 2 milliAmps and it features an off-state voltage of 0 to 10 Volts. The on-state voltage is 33 to 56 Volts and the on-state current is 3 to 8 milliAmps. The 0.3 Amps module has a VME bus and it is designed for racks that accept only secured components. The wiring of the IC697MDL654 module can be done through the terminal board and it allows for wires of different types and sizes. Like any other industrial component that can be damaged due to overheating, the IC697MDL654 module requires some space around it to ventilate and to work properly. The acceptable wires for connecting a module like this are those with sizes from 0.36 to 2.10 square