GE Series 90-30 Series Service Manual

IC693MDL648

1. Description

The IC693MDL648 PLC module is a 40 Volts DC rated PLC. it is manufactured by GE Fanuc and classified under Series 90-30 of the PLC.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Series 90-30**
Part	**Number IC693MDL648**
Module	**Type Discrete Input**
Power	**Type DC**
Input	**Voltage Range 0 to 60 VDC**
Input	**Current (mA) 4.2**
Number	**of Points 16**
Response	**Time (ms) 1 ms on/1 ms off**
Trigger	**Voltage 34 to 60 Volts**
Product	**Lifecycle Status* Discontinued/Obsolete**
The	**IC693MDL648 module is a discrete input module made for the programmable logic controllers or PLCs that are manufactured by the GE Fanuc company. The PLC discrete input module is classified under Series 90-30 of the GE Fanuc PLCs. It is a 48 Volts DC rated positive and negative logic input device with up to 16 input points. The IC693MDL648 module features an input voltage range 0 to 60 Volts DC while the input current is rated as 4.2 milliamps. This 16-point PLC discrete input module features 34 to 60 Volts of trigger voltage while the connector type is a terminal block connector with 20 screws that are included with the module. The IC693MDL648 module also features 80 milliamps of current at 5 Vol**

3. Product Information

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Technical specifications for IC693MDL648

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Series Series 90-30

Part Number IC693MDL648

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Power Type DC

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Input Current (mA) 4.2

Number of Points 16

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Trigger Voltage 34 to 60 Volts

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The IC693MDL648 module features a baseplate comprising 3 main parts. The 3 components on the baseplate include the circuit board that is mounted to the metal backplate with a plastic cover, the I/O bus expansion cables, and the dedicated I/O communication bus. The IC693MDL648 module's metal backplate features 4 holes that are used for mounting the baseplate and it also comes with the retainer slots that mount the modules. Ideally, the GE Fanuc PLC controllers feature up to 5 prewired I/O bus expansion cables. The signals on the remote baseplate backplane are optically coupled with an isolated DC-DC power supply converter, which is provided to serve as isolation for the signals from the other backplanes. The IC693MDL648 module features the power bus that connects the power supply outputs to the modules in the baseplate. Its I/O communication bus is installed with I/O modules over the bus. The bus connects to the I/O busses in the expansion and remote racks through the I/O bus expansion connectors and the cables.