GE Field Control Series Service Manual

IC670MDL643

1. Description

5/12Vdc Pos./Neg. Logic Input, 16 Point, Grouped MDL643 Field Cont.IC670M IC670M IC670MDL The IC670MDL643 5/12 Volts DC Positive/Negative Input Module is a logic input module made by GE Fanuc. It has 0 to 15 Volts DC of input voltage, 16 discrete inputs, 1 LED indicator per point, and 150 Volts AC of group to group isolation voltage. Technical specifications for IC670MDL643

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Field Control**
Part	**Number IC670MDL643**
Product	**Description 5/12 VDC Positive/Negative Input Module**
Rated	**Voltage 5/12 Volts DC**
Input	**Voltage Range 0-15 Volts DC**
User	**Input Current 5 mA at 5 VDC, 16 mA at 15 VDC**
Number	**of Inputs 16**
Input	**Impedance 1K Ohms typical**
LED	**Indicators 1 LED per point, PWR LED**
Group	**to Group Isolation 150 Volts AC**
Point	**to Point Isolation None**
Current	**drawn from power supply 80 mA**
Weight	**2 Pounds Description**
The	**Field Control IC670MDL643 DC Positive/Negative Input Module is a 16-point, grouped input module from GE Fanuc. It offers 16 discrete inputs which are arranged in 2 groups. Positive or negative logic can be applied to drive the inputs. The Field Control IC670MDL643 DC Positive/Negative Input Module draws 80 milliamps of current from the power supply of the bus interface module. The input voltage range of the module is 0 to 15 Volts DC and the user current input ratings are 5 milliamps at 5 Volts DC and 16 milliamps at 15 Volts DC. Th**

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5/12Vdc Pos./Neg. Logic Input, 16 Point, Grouped MDL643 Field Cont.IC670M IC670M IC670MDL The IC670MDL643 5/12 Volts DC Positive/Negative Input Module is a logic input module made by GE Fanuc. It has 0 to 15 Volts DC of input voltage, 16 discrete inputs, 1 LED indicator per point, and 150 Volts AC of group to group isolation voltage. Technical specifications for IC670MDL643

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Input Voltage Range 0-15 Volts DC

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Input Impedance 1K Ohms typical

LED Indicators 1 LED per point, PWR LED

Group to Group Isolation 150 Volts AC

Point to Point Isolation None

Current drawn from power supply 80 mA

Weight 2 Pounds Description

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The IC670MDL643 5/12 Volts DC Positive/Negative Input Module has 2 bytes of discrete input data. The bus input module has the responsibility to perform intelligent processing while providing the input data to the host or local processor. It occupies a network of capacitors, diodes, and resistors for providing input thresholds and filtering. Each input group consists of either positive or negative inputs. The inputs create logic one when the switch is closed. The terminal block of the module has 25 terminals that accept AWG #14 to AWG #22 wires. It offers +3.6 Volts DC to +15 Volts DC of positive logic voltage and -3.6 Volts DC to -15 Volts DC of negative logic voltage as the on-stage voltage. The off-stage voltage of the module includes 0 to +1.6 Volts DC of positive logic and 0 to 1.6 Volts DC of negative logic. The IC670MDL643 DC Positive/Negative Input Module has 1K Ohms of input impedance and 150 Volts AC of group to group isolation.