GE Series 90-30 Series Service Manual

IC693MDL340

1. Description

The IC693MDL340 is a Series 90-30 Discrete output module formerly manufactured by GE Fanuc, now under Emerson Automation. This module features Sixteen (16) 120 VAC output channels in Two (2) groups of Eight (8) channels each group. It delivers 85-132 VAC output voltage range and output current of 0.5 A per point. This module has backplane current draw of 315 mA when all outputs activated.

2. Specifications

Specification	Value
Brand	**GE Intelligent Platforms/GE Fanuc**
Series	**Series 90-30**
Manufacturer	**GE Fanuc**
Part	**Number IC693MDL340**
Product	**Description Discrete output module**
No	**of Channels Sixteen (16)**
No.	**of groups Two (2)**
Product	**Type Output Module**
No.	**of channels per group Eight (8)**
Rated	**Voltage 120 V AC**
Output	**signal range 85-132 VAC**
Output	**Voltage Range 85 to 132 V AC**
Nominal	**output voltage 120 VAC**
Frequency	**50 to 60 Hz**
Output	**current per point 0.5 A**
Outputs	**16**
Output	**current per group 3:00 AM**
Isolation	**between field side and logic side 1500 V**
Inrush	**current 20 A for one cycle**
Isolation	**between each group 500 V**
On	**Response time 1 ms**
Max.	**Output Voltage Drop 1.5 V**
Off	**response time ½ cycle**
Max.	**Output Leakage Current 2 mA at 120 V AC**
Isolation	**1500 volts between field side and logic side; 500 volts between each group**
Min.	**Output Leakage Current 1 ms**
Minimum	**Load Current 50 mA**
Product	**Lifecycle Status Discontinued/Obsolete**
The	**IC930MDL340 is a Series 90-30 Discrete output module. This module is manufacture**

3. Product Information

The IC693MDL340 is a Series 90-30 Discrete output module formerly manufactured by GE Fanuc, now under Emerson Automation. This module features Sixteen (16) 120 VAC output channels in Two (2) groups of Eight (8) channels each group. It delivers 85-132 VAC output voltage range and output current of 0.5 A per point. This module has backplane current draw of 315 mA when all outputs activated.

Technical specifications for IC693MDL340

Brand GE Intelligent Platforms/GE Fanuc

Series Series 90-30

Manufacturer GE Fanuc

Part Number IC693MDL340

Product Description Discrete output module

No of Channels Sixteen (16)

No. of groups Two (2)

Product Type Output Module

No. of channels per group Eight (8)

Rated Voltage 120 V AC

Output signal range 85-132 VAC

Output Voltage Range 85 to 132 V AC

Nominal output voltage 120 VAC

Frequency 50 to 60 Hz

Output current per point 0.5 A

Outputs 16

Output current per group 3:00 AM

Isolation between field side and logic side 1500 V

Inrush current 20 A for one cycle

Isolation between each group 500 V

On Response time 1 ms

Max. Output Voltage Drop 1.5 V

Off response time ½ cycle

Max. Output Leakage Current 2 mA at 120 V AC

Isolation 1500 volts between field side and logic side; 500 volts between each group

Min. Output Leakage Current 1 ms

Minimum Load Current 50 mA

Product Lifecycle Status Discontinued/Obsolete

The IC930MDL340 is a Series 90-30 Discrete output module. This module is manufactured by formerly by GE Fanuc, now under Emerson Automation. This module has Sixteen (16) output channels with each channel able to deliver an output voltage rated 120 VAC and output current rating of 0.5 A. This module has Two (2) groups of output channel where each group having Eight (8) channels each. Additionally, One (1) common terminal is provided per group providing isolation. The IC930MDL340 is typically used to energize electrical loads such as relay coils, pilot lamps and other electrical devices with low current rating. It is used to implement output commands as a result of the processing of the downloaded user logic to the CPU. It has maximum output current of 3 A per group and minimum load current of 50 mA. Other output characteristics of this module includes a maximum inrush current of 20 A for one cycle and minimum load current of 50 mA. It has an output voltage drop of 1.5 VAV and maximum output leakage current of 2 mA at 120 VAC nominal voltage. Each output channel has maximum On transition delay of 1 ms and Off signal delay of ½ cycle. This module has power consumption of 315 mA with all output channels energized. The IC930MDL340 is provided with individual status indicator for each output channel. It depicts the operational state of each channel of this output module. It also provided with Fuse indicator LED which energizes when the internal fuse is blown.

The GE Fanuc IC693MDL340 module is an output module manufactured as part of the GE Intelligent Platforms/GE Fanuc Series 90-30 product line. It has a 120 Volts AC voltage rating and 0.5 Amps of current rating and it provides 16 output points in 2 separate groups, and each group has 8 points with individual common per group. The IC693MDL340 module allows each group to be used with an independent phase of the AC power supply. Both commons can also be powered using the same supply. Each group has a 3-Amps fuse for protection, as well as an RC snubber for the outputs for protecting them against the power line transient electrical noise. The GE Fanuc IC693MDL340 module features an 85 to 132 Volts AC output voltage range, 50 to 60 Hertz frequency, and 0.5 Amps of maximum output current per point. Each group allows for an all-out current for each group of 3 Amps. The IC693MDL340 module offers an inrush current of high degree, which makes the outputs suitable for controlling different loads, both incandescent and inductive. The operators of this module must provide an AC power supply to the module to help it operate loads connected to the outputs. The IC693MDL340 module can only run on an AC source of power. It comes with LED indicators on top of the device, which show the ON and OFF status for each of the output points. The LEDs are arranged in 2 rows of 8 green LEDs and with a red LED between the 2 lines.