GE Series 90-30 Series Service Manual

IC693MDL730

1. Description

The IC693MDL730 is a Series 90-30 12/24 VDC Positive logic output module. This module is formerly produced by GE Fanuc, now acquired by Emerson Automation. It features Eight (8) discrete output channels in a single group. Each channel delivers an output voltage range of 12-24 VDC with an output current of 2 Amperes per point; 2 Amperes per fuse at 60 Degree Celsius; 4 Amperes per fuse at 50 Degree Celsius.

2. Specifications

Specification	Value
Brand	GE Fanuc
Series	Series 90-30
Manufacturer	GE Fanuc
Part	Number IC693MDL730
Series	Series 90-30
Lifecycle	status Active
Part	Number IC693MDL730
Power	Type DC
Product	Description Discrete output module
Output	power voltage 12 to 24 VDC
No	of Channels Eight (8), single group
Number	of Points 8
Isolation:	1500 volts between field side and logic side;
Load	Current per Point 2.0 A
Output	voltage range 12-24 VDC with (+ 20%, -15%)
ON	Response Time (ms) 2 milliseconsds
Nominal	output voltage 12 / 24 VDC
OFF	Response Time (ms) 2 milliseconds
Output	current 2 Amperes per point; 2 Amperes per fuse at 60 Degree Celsius; 4 Amperes per fuse at 50 Degree Celsius.
Output	type Transistor
Maximum	inrush current 9.4 A For 10 ms
Product	Lifecycle Status* Discontinued/Obsolete
Current	draw 55 mA (all outputs active)
On	response time, maximum 2 ms
Off	response time, maximum 2 ms
Output	Voltage Drop 1.2 volts, maximum
Off-state	Leakage 1 mA maximum
The	IC693MDL730 is a Positive logic output module from

3. Product Information

The IC693MDL730 is a Series 90-30 12/24 VDC Positive logic output module. This module is formerly produced by GE Fanuc, now acquired by Emerson Automation. It features Eight (8) discrete output channels in a single group. Each channel delivers an output voltage range of 12-24 VDC with an output current of 2 Amperes per point; 2 Amperes per fuse at 60 Degree Celsius; 4 Amperes per fuse at 50 Degree Celsius.

Technical specifications for IC693MDL730

Brand GE Fanuc

Series Series 90-30

Manufacturer GE Fanuc

Part Number IC693MDL730

Series Series 90-30

Lifecycle status Active

Part Number IC693MDL730

Power Type DC

Product Description Discrete output module

Output power voltage 12 to 24 VDC

No of Channels Eight (8), single group

Number of Points 8

Isolation: 1500 volts between field side and logic side;

Load Current per Point 2.0 A

Output voltage range 12-24 VDC with (+ 20%, -15%)

ON Response Time (ms) 2 milliseconsds

Nominal output voltage 12 / 24 VDC

OFF Response Time (ms) 2 milliseconds

Output current 2 Amperes per point; 2 Amperes per fuse at 60 Degree Celsius; 4 Amperes per fuse at 50 Degree Celsius.

Output type Transistor

Maximum inrush current 9.4 A For 10 ms

Product Lifecycle Status* Discontinued/Obsolete

Current draw 55 mA (all outputs active)

On response time, maximum 2 ms

Off response time, maximum 2 ms

Output Voltage Drop 1.2 volts, maximum

Off-state Leakage 1 mA maximum

The IC693MDL730 is a Positive logic output module from the Series 90-30 Programmable Logic Controller (PLC) product family of GE Fanuc, now under Emerson Automation. This module features Eight (8) discrete output channels in a single group, delivering an output voltage range of 12-24 VDC with + 20%, -15% ripple. Each channel delivers an output current of 2 Amperes per point; 2 Amperes per fuse at 60 Degree Celsius; 4 Amperes per fuse at 50 Degree Celsius. The IC693MDL730 comes with isolation between the field side and logic side amounting to 1500 Volts. Output channels have an inrush current rating of 9.4 Amperes for 10 ms; maximum output voltage drop of 12 Volts; maximum off-state leakage current of 1 mA along with a typical On and off response time of 2ms for each transition. This module occupies a single slot of the 90-30 baseplate and is compatible with any I/O slot of a Series 90-30 Five (5) or Ten (10) slot baseplate. It has a current draw of 55 mA when all outputs are energized, sourced from the 5 VDC bus residing on the backplane. The IC693MDL730 is compatible for use with a variety of electrical loads particularly motor starters, solenoids, and indicators. An external power supply must be wired to the module to provide operational power. Status LED indicators are installed to the module’s front panel which includes blown fuse indicator, module fault indicator, and Eight (8) channel indicators, individually assigned to each output channel depicting the operational state of each output point. This module comes with a removal terminal board for simplified maintenance.

The IC693MDL730 PLC module comes with a 12 to 24 Volts DC voltage rating with positive logic and 2 Amps of output current. The component features DC power and it comes with 8 points. The unit features 2 Amps of load current per point while the response time is rated as 2 milliseconds ON and 2 milliseconds OFF. The output type is transistor output and the module comes with positive polarity. The connector type is a terminal block with 20 screws that are included with the module.