GE RX3i PacSystem Series Service Manual

IC694MDL742

1. Description

The GE Fanuc Automation IC694MDL742 output module with an ESCP per group has 16 output points arranged in 2 groups of 8 and short-circuit protection for the 2 groups of output points.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**RX3i PacSystem**
Part	**Number IC694MDL742**
Type	**Output module**
Rated	**Voltage 12/24V DC**
Outputs	**per Module 16 (2 groups of 8 outputs each)**
Isolation	**250V AC continuous;**
Output	**Current 1 Amp maximum per point**
Power	**Consumption 130 mA (all outputs on**
Inrush	**Current 5.2 Amps for 10 ms**
Electronic	**Short-Circuit Protection (ESCP) Yes**
LEDs	**Yes**
Hot	**Insertion and Removal Yes**
The	**IC694MDL742 module is an output module that has been designed and manufactured by GE Fanuc Automation. This module is meant to operate within an RX3i PLC system and it can be installed in any slot in the PLC rack. This module provides 16 outputs that are divided into 2 groups of 8 outputs each and that operate with negative logic. The GE Fanuc Automation IC694MDL742 16-point output module includes 2 electronic short-circuit protection features, the first one can protect output points 1 to 8 points and the second protects output points 9 to 16. The mechanism of these 2 protective features is to detect sho**

3. Product Information

The GE Fanuc Automation IC694MDL742 output module with an ESCP per group has 16 output points arranged in 2 groups of 8 and short-circuit protection for the 2 groups of output points.

Technical specifications for IC694MDL742

Brand GE Fanuc

Series RX3i PacSystem

Part Number IC694MDL742

Type Output module

Rated Voltage 12/24V DC

Outputs per Module 16 (2 groups of 8 outputs each)

Isolation 250V AC continuous;

Output Current 1 Amp maximum per point

Power Consumption 130 mA (all outputs on

Inrush Current 5.2 Amps for 10 ms

Electronic Short-Circuit Protection (ESCP) Yes

LEDs Yes

Hot Insertion and Removal Yes

The IC694MDL742 module is an output module that has been designed and manufactured by GE Fanuc Automation. This module is meant to operate within an RX3i PLC system and it can be installed in any slot in the PLC rack. This module provides 16 outputs that are divided into 2 groups of 8 outputs each and that operate with negative logic. The GE Fanuc Automation IC694MDL742 16-point output module includes 2 electronic short-circuit protection features, the first one can protect output points 1 to 8 points and the second protects output points 9 to 16. The mechanism of these 2 protective features is to detect short circuits and turn off the points that have experienced the short circuits to protect them against any further damage. Once they has detected a fault and turned off the points, they will activate the Fault LED.

The GE Fanuc Automation IC694MDL742 output module with 16 output points operates with a rated DC voltage of 12 to 24 Volts DC and for each input, it includes a voltage tolerance of -15 to +20 percent. The module has a power consumption rating of 130 milliamperes and an inrush current rating of 5.2 Amps for 10 milliseconds. The GE Fanuc Automation IC694MDL742 16-point output module also supports a special insertion and removal mode that applies to an RX3i universal backplane. This special features allows it to be removed and inserted under power. The output module features a numbered LED for each one of its outputs and the external devices need to be powered from an external power source.