MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

GE PACSYSTEMS RX3I

IC694MDL741

16-POINT 12/24 VDC NEGATIVE LOGIC OUTPUT MODULE

Used with the applicable PACSystems RX3i discrete I/O configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: PACSystems RX3i System Manual GFK-2314T, Section 9, pages 242–244

7.10 Output Module, 12/24Vdc, 0.5 Amp, Negative Logic 16-Point: IC694MDL741

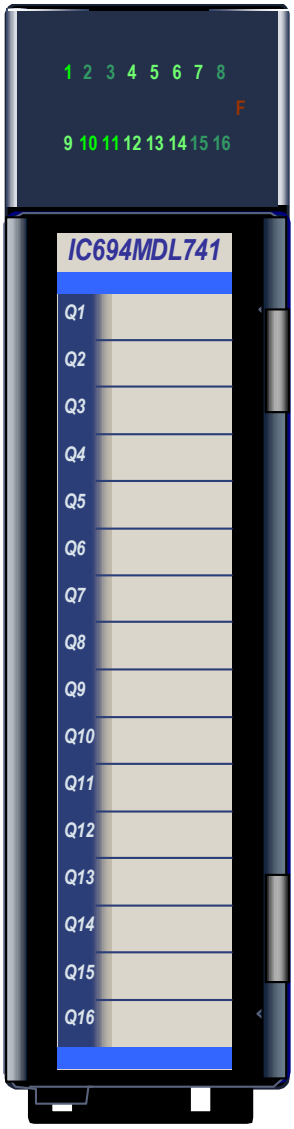


Figure 198: IC694MDL741

The *12/24Vdc 0.5 Amp Negative Logic Output* module, IC694MDL741, provides sixteen output points in two groups. Each group has a common power output terminal. This output module has negative logic characteristics; it sinks current from the loads to the user common or negative power bus. Output devices are connected between the positive power bus and the output terminals. The output characteristics of this module are compatible with a wide range of load devices, such as: motor starters, solenoids, and indicators. Power to operate the field devices must be supplied by the user.

Individual numbered LEDs show the ON/OFF status of each output point. There are no fuses on this module.

The blue bands on the label show that MDL741 is a low-voltage module.

This module can be installed in any I/O slot in an RX3i system.

Module supports insertion into and removal from an RX3i Universal Backplane which is under power. Refer to *Hot Insertion and Removal*, Section 2.6.4.1.

7.10.1 Specifications: MDL741

Rated Voltage	12/24 Vdc

Output Voltage Range	12 to 24 Vdc (+20%, -15%)
Outputs per Module	16 (two groups of eight outputs each)
Isolation:	
Field to Backplane (optical) and to Frame Ground	250 Vac continuous; 1500 Vac for 1 minute
Group to Group	250 Vac continuous; 1500 Vac for 1 minute
Output Current	0.5 Amps maximum per point 2 Amps maximum per common
Power Consumption	110mA (all outputs on) from 5Vdc bus on backplane
Output Characteristics	
Output Voltage Drop	0.5 volts maximum
Off–state Leakage	1mA maximum
On Response Time	2ms maximum
Off Response Time	2ms maximum

For product standards and general specifications, refer to Appendix A.

7.10.2 Field Wiring: MDL741

Terminal	Connection
1	Outputs 1 – 8 common (DC+)
2	Output 1
3	Output 2
4	Output 3
5	Output 4
6	Output 5
7	Output 6

8	Output 7
9	Output 8
10	DC–
11	Outputs 9 – 16 common (DC+)
12	Output 9
13	Output 10
14	Output 11
15	Output 12
16	Output 13
17	Output 14
18	Output 15
19	Output 16
20	DC–

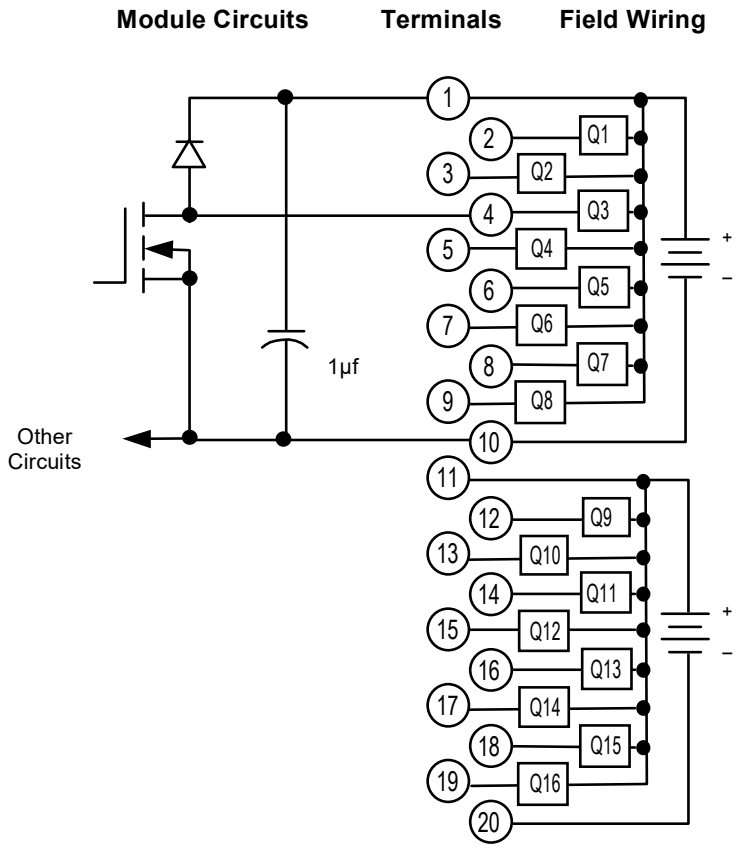


Figure 199: Field Wiring MDL741