

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

GE PACSYSTEMS RX3I

IC694MDL741C

16-POINT NEGATIVE-LOGIC DC OUTPUT MODULE

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

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: GE official manufacturer documentation

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Catalog Number	Hot-Swap Compatible	Notes / Restrictions on Hot Swap Capability
IC693MDL741	Yes	
IC694MDL741	Yes	
IC693MDL742	Yes	
IC694MDL742	Yes	
IC693MDL748	Yes	
IC693MDL752	Yes	
IC694MDL752	Yes	
IC693MDL753	Yes	
IC694MDL753	Yes	
IC693MDL754	Yes	
IC694MDL754	Yes	
IC694MDL758	Yes	
IC695MDL765	Yes	
IC693MDL916	Yes	
IC694MDL916	Yes	
IC695PBM300	Yes	
IC695PBS301	Yes	
IC695PMM335	Yes	Hot-Swap can only be performed while PLC is in STOP mode
IC695PNC001	Yes	
IC695PRS015	Yes	
IC695PSA140	Yes	Hot-swappable only when redundant power supplies are present and each is powered up.
IC695PSD140	Yes	Hot-swappable only when redundant power supplies are present and each is powered up.
IC694PSM001	Yes	

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

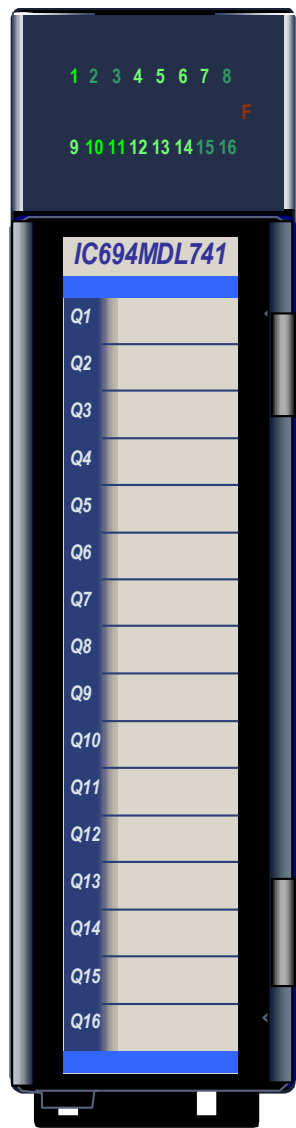


Figure 198: IC694MDL741

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
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<i>Catalog Number</i>	<i>Module Description</i>	<i>Distin- guishing Classes¹⁰¹</i>	<i>Earliest CEP001 Compatible Version</i>	<i>CEE001¹⁰² Compatible</i>
IC694MDL250	16 Circuit Input 120 Vac Isolated	None	1.00	Y
IC694MDL260	32 Circuit Input 120 Vac	None	2.50	Y
IC694MDL632	8 Circuit Input 125 Vdc Positive / Negative Logic	8 in	2.30	Y
IC694MDL634	8 Circuit Input 24 Vdc Positive / Negative Logic	8 in	2.50	Y
IC694MDL635	16 Circuit Input 125 Vdc Positive / Negative Logic	16 in	2.30	Y
IC694MDL645	16 Circuit Input 24 Vdc Positive / Negative Logic	16 in	2.40	Y
IC694MDL646	16 Circuit Input 24 Vdc Positive / Negative Logic Fast	16 in	1.00	Y
IC694MDL648	48 Vdc Input Pos/Neg Fast (16 Points)	16 in	2.30	Y
IC694MDL654	32 Circuit Input 5/12 Vdc Positive / Negative Logic	32 in	2.50	Y
IC694MDL655	32 Circuit Input 24 Vdc Positive / Negative Logic Fast	32 in	2.50	Y
IC694MDL658	32 Circuit Input 48 Vdc Positive / Negative Logic Fast	32 in	2.50	Y
IC694MDL660	32 Circuit Input 24 Vdc Positive / Negative Logic	32 in	2.30	Y
IC695MDL664	16 Circuit Input with diagnostic	None	1.00	N
Discrete Output Modules				
IC693MDL310	12 Circuit Output 120 Vac 0.5A	16 out	2.50	Y
IC693MDL330	8 Circuit Output 120/240 Vac 2A	8 out	2.40	Y
IC693MDL340	16 Circuit Output 120 Vac 0.5A	16 out	2.50	Y
IC693MDL350	16 Circuit Output 120/240 Vac Isolated	16 out	2.50	Y
IC693MDL390	5 Circuit Output 120/240 Vac 2A Isolated	None	2.30	Y
IC693MDL732	8 Circuit Output 12/24 Vdc 0.5A Positive	8 out	2.50	Y
IC693MDL734	6 Circuit Output 125 Vdc 1A Positive/Negative	8 out	2.50	Y
IC693MDL740	16 Circuit Output 12/24 Vdc 0.5A Positive	16 out	2.50	Y
IC693MDL741	16 Circuit Output 12/24 Vdc 0.5A Negative	16 out	2.50	Y
IC693MDL752	32 Circuit Output 5/24 Vdc 0.5A Negative	32 out	2.50	Y
IC693MDL753	32 Circuit Output 12/24 Vdc 0.5A Positive	32 out	2.50	Y
IC693MDL754	32 Circuit Output 24 Vdc 0.75A Positive, Diagnostics Off	32 out	2.30	Y
IC693MDL754	32 Circuit Output 24 Vdc 0.75A Positive, Diagnostics On	32 in /32 out	2.30	Y
IC693MDL930	8 Circuit Output 4A Relay Isolated	8 out	2.30	Y
IC693MDL931	8 Circuit Output Relay Form BC Isolated	8 out	2.50	Y
IC693MDL940	16 Circuit Output 2A Relay	16 out	2.30	Y
IC694MDL310	12 Circuit Output 120 Vac 0.5A	16 out	2.50	Y
IC694MDL330	120/240 Vac Output 2A (8 Points)	8 out	2.40	Y
IC694MDL340	16 Circuit Output 120 Vac 0.5A	16 out	2.50	Y
IC694MDL350	16 Circuit Output 120/240 Vac Isolated	None	2.50	Y
IC694MDL390	5 Circuit Output 120/240 Vac 2A Isolated	None	2.30	Y
IC693MDL732	8 Circuit Output 12/24 Vdc 2A Positive	8 out	2.50	Y
IC693MDL734	6 Circuit Output 125 Vdc 1A Positive/Negative	8 out	2.50	Y
IC694MDL740	16 Circuit Output 12/24 Vdc 0.5A Positive	16 out	2.50	Y
IC694MDL741	16 Circuit Output 12/24 Vdc 1A Negative	16 out	2.50	Y
IC694MDL742	16 Circuit Output 12/24 Vdc 1A Positive	16 out	1.00	Y
IC694MDL752	32 Circuit Output 5/24 Vdc 0.5A Negative	32 out	2.50	Y
IC694MDL753	32 Circuit Output 12/24 Vdc 0.5A Positive	32 out	2.50	Y
IC694MDL754	32 Circuit Output with ESCP	None	2.30	Y

A-4.2 Additional RX3i Specifications

Standards for EMC Emissions, and Immunity, for RX3i products are provided on the following pages. Refer to the listing of module catalog numbers below to determine which set of standards applies to a specific module: Specifications Group 1 or Group 2.

17.2.3.1.4 Group 1 Table

IC694ACC300	IC694DNM200	IC694MDL390	IC694MDL740
IC694ALG220	IC694DNS201	IC694MDL632	IC694MDL741
IC694ALG221	IC694DSM314	IC694MDL634	IC694MDL742
IC694ALG390	IC694DSM324	IC694MDL635	IC694MDL752
IC694ALG391	IC694MDL230	IC694MDL645	IC694MDL753
IC694ALG392	IC694MDL231	IC694MDL646	IC694MDL758
IC694APU300	IC694MDL240	IC694MDL648	IC694MDL930
IC694APU305	IC694MDL241	IC694MDL654	IC694MDL931
IC694BEM320	IC694MDL250	IC694MDL655	IC694MDL940
IC694BEM321	IC694MDL310	IC694MDL658	IC694MDR390
IC694BEM340	IC694MDL330	IC694MDL730	IC694PWR321
IC694BEM341	IC694MDL340	IC694MDL732	IC694PWR330
IC694CHS392	IC694MDL350	IC694MDL734	IC694PWR331
IC694CHS398			

17.2.3.1.5 Group 2 Table

IC694ALG222	IC695ALG106	IC695CMM002	IC695HSC304
IC694ALG223	IC695ALG112	IC695CMM004	IC695HSC308
IC694ALG232	IC695ALG306	IC695CMU310	IC695LRE001
IC694ALG233	IC695ALG312	IC695CMX128	IC695MDL664
IC694ALG442	IC695ALG412	IC695CNM001	IC695MDL765