GE PACSYSTEMS RX3I

Product Data Sheet

IC694MDL646

16-point 24VDC fast input module

NOMINAL INPUT VOLTAGE	OPERATING INPUT RANGE	INPUT QUANTITY	INPUT GROUPING
24 V DC	**0-30 V DC**	**16**	**One common for all 16 points**

GE IC694MDL646 is an RX3i sixteen-point DC input module with positive/negative logic compatibility. It uses one common terminal for all inputs and operates from nominal 24 V DC field circuits.

01 TECHNICAL DATA

Nominal input voltage	24 V DC
Operating input range	0-30 V DC
Input quantity	16
Input grouping	One common for all 16 points
Logic compatibility	Positive or negative
Continuous isolation	250 V AC field-to-backplane and frame
Isolation withstand	1500 V AC for 1 minute
Typical signal current	7 mA at rated voltage
ON-state voltage	11.5-30 V DC
OFF-state voltage	0-5 V DC

GE Fanuc PACSystems RX3i System Manual GFK-2314C; MDL646 specifications and field wiring.

02 ADDITIONAL PRODUCT DATA

ON-state current	3.2 mA minimum
OFF-state current	1.1 mA maximum
Typical ON/OFF response	1 ms each
5 V backplane current	80 mA, all inputs ON
24 V circuit demand	125 mA with all inputs ON

03 PRODUCT FUNCTION

Typical ON and OFF response times are 1 ms. The module distinguishes ON at 11.5-30 V and OFF at 0-5 V, and provides individual green indicators. The field side is isolated from the backplane and frame, rather than separating every input from the others.

04 SYSTEM COMPATIBILITY

Include 80 mA at 5 V in the backplane budget and 125 mA for the energized 24 V input circuits. Check the source or sink device against the 11.5 V ON threshold, 3.2 mA minimum ON current and 1.1 mA maximum OFF current.

05 REFERENCE

GE Fanuc PACSystems RX3i System Manual GFK-2314C; MDL646 specifications and field wiring.

AMIKON PRODUCT SUPPORT

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