

GENERAL ELECTRIC PACSYSTEMS RX3i

IC694MDL645

24 V DC 16-Point Positive/Negative Logic Input Module

General Electric IC694MDL645 is a PACSystems RX3i 16-point 24 V DC positive/negative-logic input module.

Verified technical data

Field	Officially documented value
Rated voltage	24 V DC
Input voltage range	0 to +30 V DC
Input points	16 in one group with a single common
Logic wiring	Positive or negative logic
Typical input current	7 mA at rated voltage
On-state voltage	11.5 to 30 V DC
Off-state voltage	0 to +5 V DC
Minimum on-state current	3.2 mA
Maximum off-state current	1.1 mA
Typical response time	7 ms on; 7 ms off
Field-to-backplane isolation	250 V AC continuous; 1500 V AC for 1 minute
5 V backplane consumption	80 mA with all inputs on
24 V power consumption	125 mA from the isolated backplane bus or user supply
Point indication	16 green LEDs for input points 1 through 16

Selection checkpoints

- The module maps current at any of its sixteen inputs to the controller input table and provides one green status indicator for each point.
- Before installation or replacement, verify the commoned-group polarity, field-device voltage and current, terminal assignments, power source, isolation requirement, and saved RX3i configuration.
- IC694MDL645 requires one-common group polarity, terminal assignments, input-device current, field-power source, and the reduced isolation rating when 24 V OUT powers field devices to be checked before commissioning.

Documented applications

- Pushbutton status acquisition in PACSystems RX3i machine-control systems
- Limit-switch position feedback for discrete automation sequences
- Electronic proximity-switch monitoring with compatible 24 V DC field circuits

Important selection note

Confirm the complete IC694MDL645 catalog identity, actual label revision, terminal or power requirements, field wiring, controller compatibility, configuration, and saved project before installation or replacement.