

GENERAL ELECTRIC PACSYSTEMS RX3i

IC695MDL664

PACSystems RX3i 16-Point Smart Digital Input Module

General Electric IC695MDL664 is a PACSystems RX3i 16-point 24 V DC smart positive-logic digital input module.

Verified technical data

Field	Officially documented value
Digital inputs	16 points
Input type	Smart digital input with advanced diagnostics; positive logic
Input response	0.5...100 ms selectable on and off
Nominal supply	24 V DC
Supply range	18...32 V DC
On-state threshold	0.5 x input supply voltage
Backplane current	225 mA at 5 V DC; 95 mA at 3.3 V DC
Ordinary-location approval	UL 508; equivalent CSA C22.2 No. 142-M1987
Hazardous-location approval	Class I, Division 2, Groups A, B, C, D
Input diagnostic modes	Dual-state, tri-state, and quad-state input configurations are documented

Selection checkpoints

- The module combines 16 input points with selectable response filtering and diagnostic configurations that can distinguish supported field-circuit states.
- Before installation or replacement, verify the field-device wiring, input mode, pulse-test configuration, filter times, terminal assembly, fault reporting, and saved RX3i project.
- IC695MDL664 requires the input mode, pulse-test settings, filter times, field-supply voltage, sensor logic, terminal assembly, diagnostic reporting, and saved RX3i project to be matched before commissioning.

Documented applications

- Diagnostic 24 V DC discrete-input monitoring in PACSystems RX3i machine control
- Positive-logic field-sensor acquisition requiring selectable input filtering
- Tri-state or quad-state field circuits using the documented smart-input diagnostics

Important selection note

Confirm the complete IC695MDL664 catalog identity, terminal assembly, field wiring, controller compatibility, configuration, and saved project before installation or replacement.