

GENERAL ELECTRIC PACSYSTEMS RX3i

IC695ALG616

PACSystems RX3i 16/8-Channel Current/Voltage Analog Input Module

General Electric IC695ALG616 is a PACSystems RX3i 16/8-channel current and voltage analog input module.

Verified technical data

Field	Officially documented value
Analog input configuration	16 single-ended channels or 8 differential channels
Current input ranges	0...20 mA; 4...20 mA; ± 20 mA
Voltage input ranges	± 10 V; 0...10 V; ± 5 V; 0...5 V; 1...5 V
Converter	24-bit ADC
Data formats	IEEE 32-bit floating point or 16-bit integer in a 32-bit field
Input filter selections	8, 12, 16, 40, 200, or 500 Hz
HART support	Not supported
Voltage input impedance	Greater than 100 k Ω
Current input resistance	249 Ω $\pm 1\%$
Open-circuit detection	1 second maximum
Input protection	± 60 V DC continuous voltage; ± 28 mA continuous current
Backplane power	350 mA maximum at 5 V DC; 200 mA maximum at 3.3 V DC
Maximum internal dissipation	4.25 W
Thermal derating	None
Field-to-backplane/chassis isolation	250 V AC continuous; 1500 V AC for 1 minute

Selection checkpoints

- The module digitizes field signals through a 24-bit converter and returns channel data to the RX3i system in floating-point or integer format.
- Before installation or replacement, verify the selected wiring mode, input range, filter setting, terminal assembly, scaling, alarm configuration, and controller project.
- IC695ALG616 requires the wiring mode, per-channel input range, terminal assembly, filter selection, scaling, alarm limits, and saved RX3i configuration to be matched before commissioning.

Documented applications

- Multichannel current and voltage acquisition in PACSystems RX3i process-control systems
- Machine measurement systems that require selectable single-ended or differential inputs
- Rack-based monitoring projects that require configurable analog filtering and diagnostics

Important selection note

Confirm the complete IC695ALG616 catalog identity, terminal assembly, field wiring, controller compatibility, configuration, and saved project before installation or replacement.