

INDUSTRIAL AUTOMATION PRODUCT

IC695ALG608

RX3i 8-Channel Analog Current/Voltage Input Module

Emerson IC695ALG608 is a non-isolated differential analog input module with eight single-ended or four differential channels. Its channels are software-configurable for standard current and voltage ranges.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Emerson
System family	PACSystems RX3i I/O
Part number	IC695ALG608
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install IC695ALG608 only in the documented PACSystems RX3i I/O position. Preserve the as-found terminal, point and configuration records; then verify diagnostics and multi-range analog current and voltage signal acquisition under controlled conditions.

System Role and Architecture

Emerson IC695ALG608 is a non-isolated differential analog input module with eight single-ended or four differential channels. Its channels are software-configurable for standard current and voltage ranges.

FUNCTION 1
Exact catalog identity IC695ALG608

FUNCTION 2
RX3i 8-Channel Analog Current/Voltage Input Module

FUNCTION 3
Documented role: multi-range analog current and voltage signal acquisition

FUNCTION 4
Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES		
1 General Electric IC670MDL330	2 General Electric IC670MDL331	3 General Electric IC670MDL241
4 General Electric IC670MDL240	5 General Electric IC670MDL233	6 General Electric IC670ALG621
7 General Electric IC670ALG630	8 General Electric IC670ALG620	9 General Electric IC670ALG330

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	PACSystems RX3i I/O
02	Matched RX3i backplane, carrier or terminal block
03	Documented field wiring, commons, shields and point map
04	Approved controller project and acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	PACSystems RX3i I/O
Interface role	multi-range analog current and voltage signal acquisition
Field / power context	documented PACSystems RX3i backplane or distributed-I/O position
Commissioning evidence	Identity, electrical interfaces, configuration, diagnostics and controlled functional response recorded

INSTALLATION AND CONNECTION CHECKS

- 1

Confirm the complete IC695ALG608 marking, module designation and documented RX3i installation position.
- 2
- Place the controller, machine and connected process in the approved maintenance state.

3

4

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Input channels	8 single-ended or 4 differential	Calibration	Full autocalibration
Current ranges	0–20 mA, 4–20 mA and ±20 mA	Diagnostics	Open-circuit detection, module and point-fault reporting
Voltage ranges	±10 V, 0–10 V, ±5 V, 0–5 V and 1–5 V	Alarms	High, low, high-high, low-low and rate-of-change
Backplane	RX3i Universal Backplane	Terminal block detection	Insertion/removal detection
Hot swap	Supported	Compatible terminal blocks	IC694TBB032, TBB132, TBS032 or TBS132
Configuration	Software configurable; no jumpers		

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1 General Electric IC670MDL330

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5 General Electric IC670MDL233

6 General Electric IC670ALG621

7 General Electric IC670ALG630

8 General Electric IC670ALG620

9 General Electric IC670ALG330

ENGINEERING BOUNDARY

Confirm IC695ALG608, the complete RX3i host, hardware revision, slot, terminal block, field power, wiring, grounding, shielding, configuration, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

- 1

Confirm the complete IC695ALG608 marking, module designation and documented RX3i installation position.
- 2

Place the controller, machine and connected process in the approved maintenance state.
- 3

Isolate controller and field power, prove the safe state and apply ESD controls before handling.
- 4

Record the slot, terminal block, every point assignment, common, shield and connected circuit before removal.

Applications and Engineering Context

PACSystems RX3i planned maintenance

Restores multi-range analog current and voltage signal acquisition in the documented control architecture.

RX3i 8-Channel Analog Current/Voltage Input Module replacement

Uses exact IC695ALG608 identity instead of an adjacent I/O or CPU execution.

Control-system refurbishment

Preserves the installed slot, terminal block, point map, power and engineering configuration.

Controlled recommissioning

Confirms diagnostics and the affected signal or control function before automatic operation.

TECHNICAL NOTE

Install IC695ALG608 only in the documented PACSystems RX3i I/O position. Preserve the as-found terminal, point and configuration records; then verify diagnostics and multi-range analog current and voltage signal acquisition under controlled conditions.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	IC695ALG608 recorded
Host / carrier	PACSystems RX3i I/O
Physical interface	Installed terminal assembly, field power and point assignments matched to the as-found record
Configuration	Approved hardware, firmware and engineering configuration restored
Functional proof	Controlled test confirms multi-range analog current and voltage signal acquisition

IMPORTANT NOTICE

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Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

General Electric IC670MDL330

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2

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General Electric IC670MDL241

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General Electric IC670ALG621

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MANUFACTURER SOURCE RECORD

Emerson Important Product Information GFK-2372U | Emerson official product and PACSystems documentation, accessed 24 September 2026

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.