

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

PRODUCT SNAPSHOT

BRAND
Emerson

FAMILY
PACSystems RX3i I/O

PART
IC695ALG608

DOCUMENT STATUS
Controlled engineering copy

APTER POWER

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PRODUCT OVERVIEW

IC695ALG608 provides multi-range analog current and voltage signal acquisition for a matched PACSystems RX3i I/O installation.

Exact catalog identity IC695ALG608

RX3i 8-Channel Analog Current/Voltage Input Module

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

Controlled installation, diagnostics and functional verification

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

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
Proximity probe	Matched extension cable
Proximitior Sensor	AISI 4140 target

ENGINEERING CONTEXT

The component remains matched to the documented RX3i slot or carrier, terminal assembly, field power and engineering configuration. Commissioning preserves the installed architecture and verifies controlled response.

TECHNICAL DATA

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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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.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

PACSystems RX3i planned maintenance

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

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.

PRODUCT PRECAUTIONS

- 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.
- 5 Verify the official electrical and configuration values documented for IC695ALG608; do not infer adjacent
- 6 Restore the approved backplane or carrier, terminal block, field power and engineering configuration.
- 7 Energize in the manufacturer sequence and review CPU, bus, module and channel diagnostics.
- 8 Complete a controlled signal, output or controller-response test before service release.

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ENGINEER FAQ

Q1 How is IC695ALG608 distinguished from adjacent RX3i catalog numbers?

Match the complete IC695ALG608 marking, the RX3i 8-Channel Analog Current/Voltage Input Module designation and its recorded slot or carrier position.

Q2 What function is assigned to IC695ALG608 in the documented system?

The module provides multi-range analog current and voltage signal acquisition in the matched PACSystems RX3i I/O installation.

Q3 What is the official input channels for IC695ALG608?

Emerson documents input channels as 8 single-ended or 4 differential; verify that value against the installed execution before work.

Q4 Which current ranges applies to IC695ALG608?

The official value is 0–20 mA, 4–20 mA and ± 20 mA. Preserve the corresponding power, signal or controller configuration.

Q5 How should the documented voltage ranges be checked on IC695ALG608?

Confirm voltage ranges is ± 10 V, 0–10 V, ± 5 V, 0–5 V and 1–5 V and compare the as-found wiring or configuration with the approved record.

Q6 What evidence is needed for the backplane of IC695ALG608?

Record the installed condition and verify the official value RX3i Universal Backplane during controlled commissioning.

Q7 What must be preserved before replacing IC695ALG608?

Record the slot or carrier, terminal assembly, point assignments, wiring, commons, shields, firmware or configuration state and active diagnostics.

Q8 How is IC695ALG608 accepted after installation?

Restore the documented hardware and point map, review module and controller diagnostics, and perform a controlled test of multi-range analog current and voltage signal acquisition.

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

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