

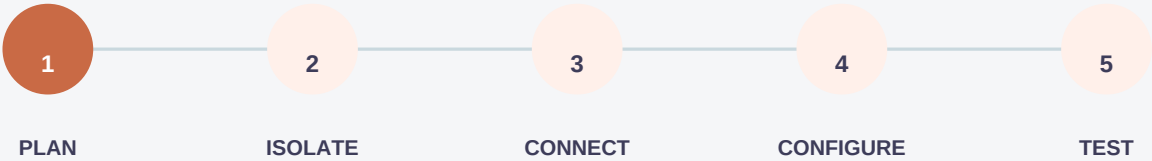
IC695ALG608

RX3i 8-Channel Analog Current/Voltage Input Module

CONTROLLED ENGINEERING COPY

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.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	IC695ALG608
Manufacturer	Emerson
System family	PACSystems RX3i I/O
Record scope	Installation, application and verification



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01 PRE-INSTALLATION PLAN

- 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 catalog executions.

MATCHED HARDWARE

- IC695ALG608 with complete catalog identity
- Matched RX3i backplane or carrier
- Documented terminal block and field interfaces
- Approved project, diagnostics and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	IC695ALG608 recorded
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

02 WIRING & INTERFACE CHECKS

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

RELATED PRODUCT PAGES

1 General Electric IC670MDL240

2 General Electric IC670MDL233

3 General Electric IC670ALG621

4 General Electric IC670ALG630

5 General Electric IC670ALG620

6 General Electric IC670ALG330

7 General Electric IC670MDL330

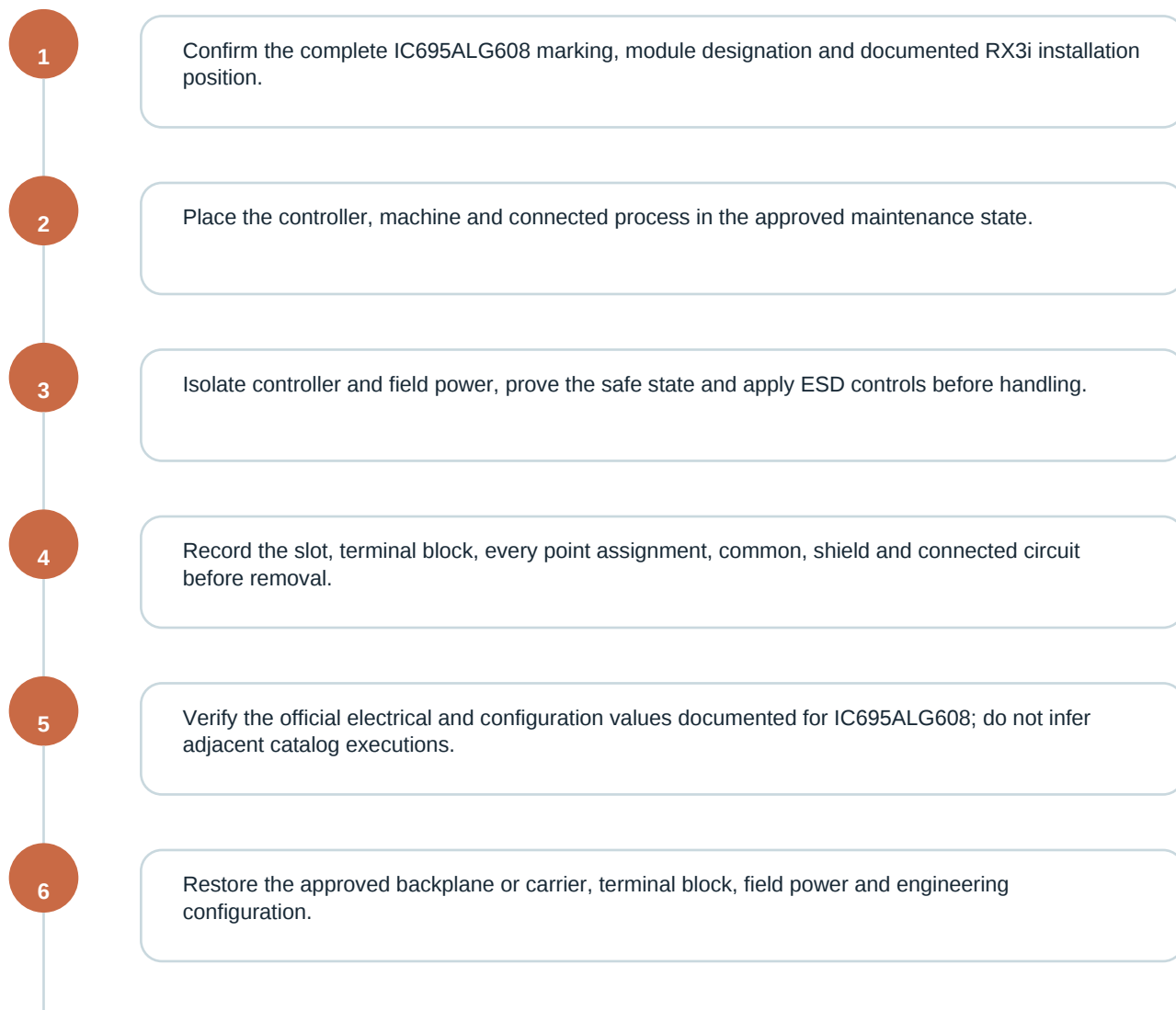
8 General Electric IC670MDL331

9 General Electric IC670MDL241

FIELD NOTE

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

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	IC695ALG608
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

04 RETURN-TO-SERVICE RECORD

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

VERIFICATION RECORD

PRODUCT IDENTITY	IC695ALG608
INSTALLED POSITION	Documented PACSystems RX3i slot or distributed-I/O carrier position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

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

SOURCE IDENTIFIERS

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