

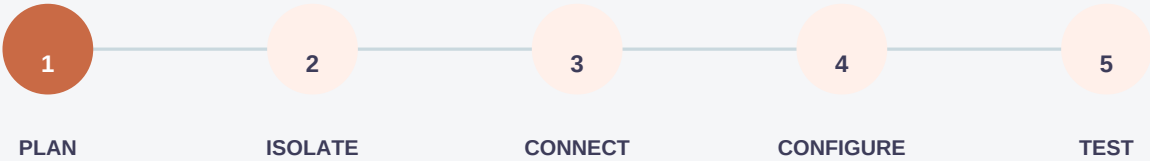
IC694ALG223

RX3i 16-Channel Analog Current Input Module

CONTROLLED ENGINEERING COPY

Emerson IC694ALG223 is a 16-channel analog current input module for 0–20 mA and 4–20 mA signals. It provides 12-bit conversion for standard process-transmitter loops.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	IC694ALG223
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 IC694ALG223 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 IC694ALG223; do not infer adjacent catalog executions.

MATCHED HARDWARE

- IC694ALG223 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	IC694ALG223 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-channel 0–20 mA and 4–20 mA process-signal acquisition

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Input channels	16
Input ranges	0–20 mA and 4–20 mA
Resolution	12 bit
Conversion time	13 ms
Backplane consumption	120 mA at 5 VDC
User supply consumption	65 mA at 24 VDC
Approvals	UL and Class I Division 2
IPI	GFK-2655
CEP compatibility	Supported

RELATED PRODUCT PAGES

1 General Electric IS200TREA1A

2 General Electric IS200WREA1A

3 General Electric IS200TDBTH2ACD

4 General Electric IC200UDR005-BD

5 General Electric IS200VCMIH2BCD-IS215VCMIH2BC

6 General Electric IS200TDBTH2A

7 General Electric DS200TCCAG1AJB

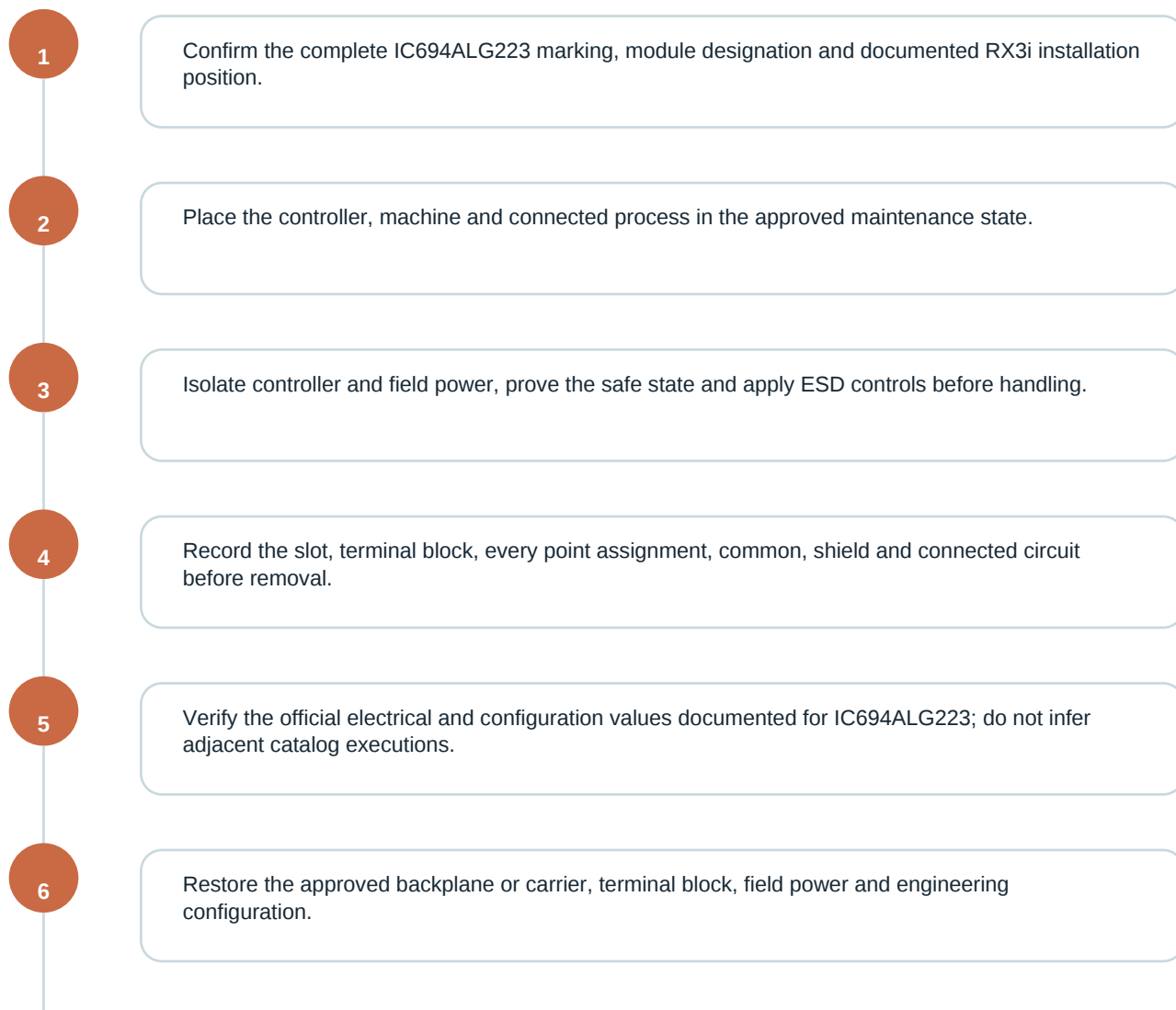
8 General Electric IS420UCSCH1A-G-V0-1-A

9 General Electric XMTC-62-11-0

FIELD NOTE

Confirm IC694ALG223, 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	IC694ALG223
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-channel 0–20 mA and 4–20 mA process-signal acquisition

04 RETURN-TO-SERVICE RECORD

- ☐
- Verify the official electrical and configuration values documented for IC694ALG223; 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	IC694ALG223
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 IC694ALG223; 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 IC694ALG223 product record and RX3i CEP Manual | Emerson official product and PACSystems documentation, accessed 24 September 2026