

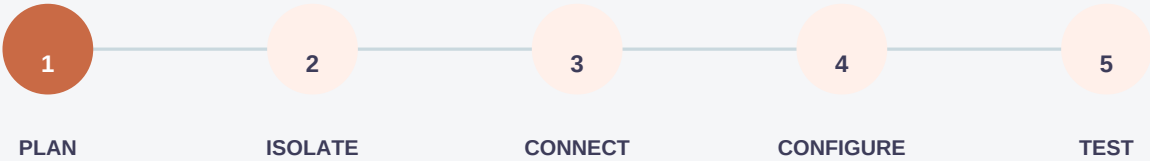
IC695CPE310

PACSystems RX3i CPE310 Controller

CONTROLLED ENGINEERING COPY

Emerson IC695CPE310 is a PACSystems RX3i backplane controller with embedded Ethernet and an included Energy Pack. It provides 13 MB user memory for modular machine and process-control applications.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	IC695CPE310
Manufacturer	Emerson
System family	PACSystems RX3i
Record scope	Installation, application and verification



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01 PRE-INSTALLATION PLAN

- 1

Confirm the complete IC695CPE310 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 IC695CPE310; do not infer adjacent catalog executions.

MATCHED HARDWARE

- IC695CPE310 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	IC695CPE310 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 embedded-Ethernet controller execution and deterministic backplane control

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Form factor	Backplane
User memory	13 MB
Discrete I/O capacity	32K bits
Analog I/O capacity	32K words
Energy Pack	Included
Ethernet ports	Three 10/100/1000 ports
Ethernet protocols	SRTCP, Modbus TCP/IP, OPC UA, EGD, PROFINET, DNP3, IEC 61850 and IEC 104
Serial protocols	ASCII Serial and Modbus RTU
USB interface	USB-A 2.0
Operating temperature	0 to 60 °C

RELATED PRODUCT PAGES

1 General Electric IC660BBA026

2 General Electric IC660BBA100

3 General Electric IC697CPU782

4 General Electric IC697MDL940

5 General Electric IC693CHS398

6 General Electric DS200TCDAF1BCM

7 General Electric IC660BBA023

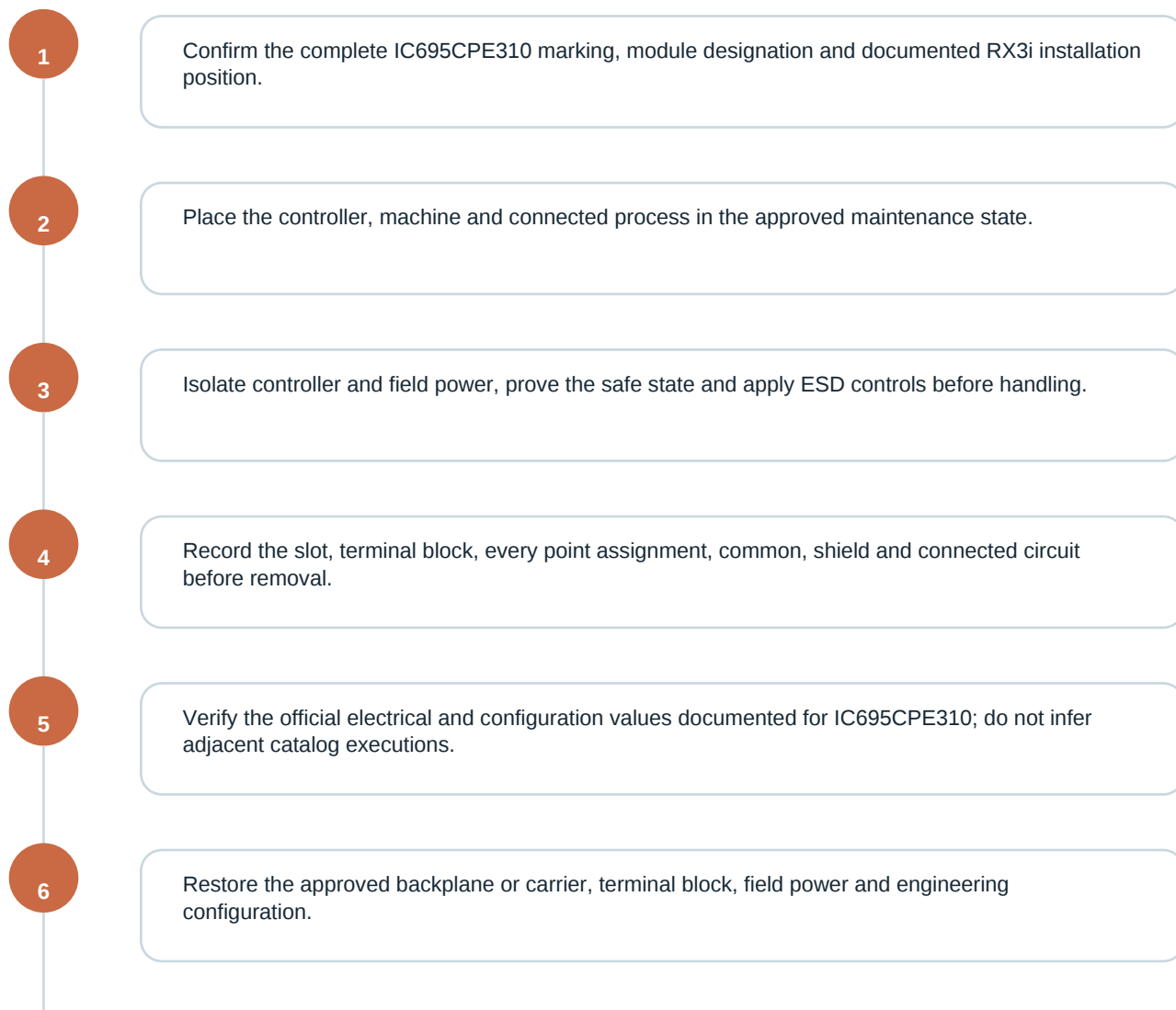
8 General Electric IC660BBA024

9 General Electric IC660BBA025

FIELD NOTE

Confirm IC695CPE310, 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	IC695CPE310
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 embedded-Ethernet controller execution and deterministic backplane control

04 RETURN-TO-SERVICE RECORD

- ☐ Verify the official electrical and configuration values documented for IC695CPE310; 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	IC695CPE310
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 IC695CPE310; 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 PACSystems RX3i CPE310 product record and IPI GFK-3248K | Emerson official product and PACSystems documentation, accessed 24 September 2026