General Electric IC695PNC001

INSTALLATION AND COMMISSIONING GUIDE / EXACT-MODEL ENGINEERING DOSSIER

General Electric IC695PNC001 is a PACSystems RX3i PROFINET controller module that links the host RX3i control system with configured PROFINET I/O devices.

01 Job scope and safe-work boundary

Compare the complete IC695PNC001 label, Ax/Bxxx hardware suffix, firmware and rack slot with the installed application.

The quotation must identify the module and any separately supplied connector, cable, memory or network accessory.

Match the complete marking	Include IC695PNC001 and the hardware suffix visible on the module. Keep the exact reference on your enquiry and quotation.
Check the offered item before ordering	Request available label and connector photos. Have your maintenance team compare the offered IC695PNC001 with the installed RX3i rack and applicable Emerson documentation.

02 Pre-installation readiness

Confirm the hardware suffix	Record the exact IC695PNC001 suffix before selecting a firmware or feature path.
Archive the RX3i project	Back up the controller logic and PROFINET device configuration before removal.
Use approved isolation	Follow the site procedure for the energized rack and attached network before service.
Preserve network identity	Record device names, addressing and I/O mapping used by the installed project.
Check version compatibility	Compare PNC, CPU and PAC Machine Edition requirements for the installed feature set.
Prove each device path	After restoration, verify configured devices, data exchange and diagnostics under an approved test.

03 Replacement sequence

01 Record the baseline	Save the installed marking, hardware revision, firmware, slot and network configuration.
02 Prepare the system	Apply site isolation and the documented service procedure to the host rack and network.
03 Compare the offered item	Compare the complete IC695PNC001 label, Ax/Bxxx hardware suffix, firmware and rack slot with the installed application.
04 Install and restore	Fit the confirmed module and restore only the approved project and network identity.
05 Prove the communication path	Check module, host and connected-device status under an approved test.
06 Keep the as-left record	Retain observed status, final firmware and configuration with unresolved exceptions.

04 Commissioning and acceptance

Review your reference	Send the complete IC695PNC001 marking, installed RX3i CPU and required quantity.

Confirm the offer	Review the offered module, hardware suffix, condition and included accessories.
Arrange dispatch	Confirm the accepted quantity and destination in the quotation.

05 Diagnostic starting points

When can IC695PNC001 use extended PROFINET subslots?	The cited RX3i table gives a minimum of 2.25 for Ax hardware and 3.00 for Bxxx hardware; confirm the installed revision and CPU project.
Can IC695PNC001 remote HART information be assumed for every revision?	No. The cited table requires PNC Ax 2.26 or Bxxx 3.00, plus compatible CPU and scanner versions for the configured path.
What should be checked after IC695PNC001 is installed?	Confirm module status, network link, configured device identity and expected I/O data exchange under an approved test.
What can cause an IC695PNC001 network to appear healthy while I/O is unavailable?	A physical link alone does not prove matching device names, configuration, data map or CPU ownership. Check diagnostics at the PNC and each configured device.

Acceptance evidence to retain

Module identity	Photograph the complete IC695PNC001 marking, including Ax or Bxxx hardware suffix and installed firmware.
Host record	Record RX3i CPU identity, firmware, rack position and project version used during the work.
Network baseline	Keep the approved topology, device names, addresses and configured I/O references.
Diagnostic result	Capture the PNC and CPU status, each device state and any unresolved alarm after commissioning.
Functional proof	Document the measured or observed input/output response under an approved process test.

If the network does not recover

PNC is absent in CPU diagnostics	Check rack slot, module seating, CPU state and the project hardware configuration.
PNC is present but devices are absent	Check the physical network, configured device identity and topology before remapping data.
One device is missing	Inspect its local power, link and PROFINET name, then compare the project module map.
Data is stale or wrong	Compare slot and subslot configuration, reference mapping and controller ownership.

Technical evidence

Emerson PACSystems RX3i IC695PNC001 product information and RX3i CPU Important Product Information GFK-2714AN

Discuss the complete IC695PNC001 marking and installed configuration with Apter Power.
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