General Electric IC695PNC001

COMPLETE PRODUCT INFORMATION / 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 Product identity and overview

Complete reference	IC695PNC001
Product type	PACSystems RX3i PROFINET Controller Module
System position	PACSystems RX3i
Included-items boundary	The quotation must identify the module and any separately supplied connector, cable, memory or network accessory.

IC695PNC001 provides the PROFINET controller role inside an RX3i application; its actual device map and supported features are determined by the installed hardware and firmware.

The IC695PNC001 is identified in Emerson product information as an RX3i PROFINET Controller. It is an I/O-network interface for the RX3i controller, distinct from an IC695PNS001 PROFINET Scanner. Device names, addressing, I/O mapping and update behavior belong to the engineered network configuration.

The installation has a revision boundary. Emerson CPU product information distinguishes IC695PNC001-Ax and IC695PNC001-Bxxx hardware. Features such as extended subslot numbers, remote HART device information and certain CPU combinations have minimum firmware versions; check the actual suffix and releases before restoring a project.

A replacement should preserve the RX3i rack position, controller project, network topology, device identity and PROFINET I/O map. Acceptance requires checking the CPU and PNC diagnostics together, then proving that each configured I/O device exchanges the intended data under an approved machine test.

02 Technical Specifications

The catalog identity and PROFINET-controller role apply to IC695PNC001. Feature thresholds from GFK-2714AN depend on the installed PNC hardware suffix, PNC firmware, CPU firmware and PAC Machine Edition version.

Product family	PACSystems RX3i
Module function	PROFINET I/O controller
Catalog reference	IC695PNC001
Host architecture	RX3i rack-based controller
Network role	Configured PROFINET devices
Hardware implementations	Ax; Bxxx

Extended PROFINET subslots	Ax 2.25+; Bxxx 3.00+
Remote HART information	Ax 2.26+; Bxxx 3.00+
Simplex PROFINET I/O	Ax 2.00+; Bxxx 3.00+
CPE302/305/310-Axxx 10.05+ pairing	Bxxx 3.16+

03 Applications / Compatibility

Remote I/O integration	Control configured PROFINET I/O devices from the RX3i application.
Controller maintenance	Replace an installed PNC while retaining the documented rack slot, network identity and I/O map.
Revision planning	Check Ax or Bxxx hardware and firmware requirements before enabling version-dependent features.
Network fault isolation	Correlate PNC, CPU and device diagnostics with physical link and configured device identity.

04 Product Precautions

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.

Lifecycle Status

IC695PNC001 status	A current lifecycle phase for the complete catalog reference has not been confirmed.
Support and replacement	Keep the CPU, PNC hardware suffix, firmware and PROFINET configuration together when planning a replacement.
Apter Power availability	The offered quantity and dispatch date are confirmed in the quotation.

Available Unit Details

Offered reference	General Electric IC695PNC001; New, original product
Identity check	Compare the complete IC695PNC001 label, Ax/Bxxx hardware suffix, firmware and rack slot with the installed application.
Included items	The quotation must identify the module and any separately supplied connector, cable, memory or network accessory.

05 Engineering FAQ

What role does IC695PNC001 have in an RX3i system?	It provides the PROFINET I/O controller function for the configured RX3i application. Keep its role separate from the IC695PNS001 scanner role.
Why must the IC695PNC001 hardware suffix be checked?	Emerson compatibility tables separate Ax and Bxxx implementations, and feature thresholds differ between them.
What should be archived before replacing IC695PNC001?	Save the RX3i project, PNC firmware identification, device names, network addressing and I/O mapping.
How should IC695PNC001 compatibility with the host CPU be checked?	Compare the actual CPU firmware, PNC hardware suffix and PNC firmware with the feature-specific compatibility table before restoring the project.
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.

Ordering checks

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.

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. sales13@apterpower.com | +86 18030235313