General Electric IC698RMX016

01 Capture the memory map

Save the configured node settings and identify the memory locations exchanged by the application. Trace the fiber connections on the ring drawing before isolating the controller and removing the installed memory module.

Record the node identity, memory addresses and data ownership before service. Retain a known changing test location so post-installation checks can distinguish fresh reflected data from a value that merely remains in memory.

Record to retain	Capture the memory map
Circuit or system boundary	PACSystems RX7i Memory Xchange

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02 Protect the optical path

Isolate RX7i rack power before inserting or removing the module. Label TX and RX fibers, keep optical mating ends clean and confirm the supported multimode arrangement before reconnection.

Inspect fiber ends and restore the intended transmit-to-receive routing without contaminating the connectors. Record the actual optical path and node order so a later ring fault can be isolated systematically.

Record to retain	Protect the optical path
Circuit or system boundary	PACSystems RX7i Memory Xchange

03 Restore the intended role

Apply the saved general-exchange or redundancy configuration. Do not infer role from a physically connected ring alone.

Compare the installed hardware and software configuration with the selected exchange or redundancy role. Keep role-specific setup records separate; physical insertion and an optical indication do not by themselves validate the application arrangement.

Record to retain	Restore the intended role
Circuit or system boundary	PACSystems RX7i Memory Xchange

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04 Test ring circulation

Compare Signal Detect with Own Data and link status. Verify an intentional data pattern reaches the intended application locations without offset errors.

Transmit a controlled changing pattern through the intended nodes and compare the received value at the destination. Record interruptions or stale values separately from optical link presence to verify actual ring circulation.

Record to retain	Test ring circulation
Circuit or system boundary	PACSystems RX7i Memory Xchange

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05 Verify redundancy behavior when used

Perform the approved controlled transition and compare local/remote readiness with CPU status. Retain the result only after the process output behavior is accepted.

Where redundancy is configured, carry out the approved transfer test and observe controller state and shared data together. Restore the normal arrangement and retain the results before returning the redundant system to service.

Technical basis: Emerson Memory Xchange Module User Manual, GFK-2300G.

Related product navigation

General Electric IC695PBM300

General Electric IC693ALG222C

These are related references, not confirmed substitutes or an automatically approved assembly.