Emerson IC695CPE400

01 Project retention

Keep the executable application, hardware configuration and network addresses as distinct maintenance records. A CPU replacement is complete only when the restored controller owns the intended I/O and starts in the required application state.

Separate application execution requirements from the network arrangement used to reach I/O. Record the configured control task and intended I/O exchanges together when comparing controller suitability for the installed system.

Processor	Quad-core, 1.2 GHz
User application memory	64 MB

Technical basis: Emerson PACSystems RX3i CPE400 Important Product Information, GFK-3003AF; installation requirements GFK-3004C. This Apter Power technical reference organizes applicable manufacturer data.

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02 Firmware applicability

A release note describes the software capabilities and restrictions of that release. Match the supplied controller firmware before using newly introduced services or transferring a project that depends on them.

The nominal supply rating is only one part of the power design. Account for the allowed terminal voltage, the installation enclosure and the intended recovery arrangement when specifying the complete controller assembly.

Input power	18–30 V DC
Maximum input power	20 W

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03 Power connection

Use the specified SELV source, conductor size and connector torque. An acceptable supply voltage at an unloaded source does not establish acceptable voltage at the CPU during startup or interruption.

Network ports serve configured communication roles. Preserve those roles with addresses and device assignments; combining all traffic on an arbitrary port is not an equivalent reconstruction of the installed architecture.

Operating environment	−40 to +70 °C, subject to installation requirements
Installation	Open equipment in a suitable enclosure

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04 Controlled servicing

In a hazardous location, do not make or break field connections while energized unless the area is known to be nonhazardous. The enclosure and wiring must satisfy the complete installation conditions.

Firmware-dependent capabilities require a release-specific configuration decision. Keep application requirements and controller release information together so a replacement evaluation does not rely only on the product family name.

Power connector torque	0.248 N·m
Power conductor size	24–16 AWG

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05 Recovery validation

Evaluate restart and energy-storage behavior with the actual project. Keep automatic process actions inhibited until communications, retained settings and the expected output state have been checked.

Evaluate power-loss behavior as a system sequence involving the controller, stored application and networked equipment. The engineering record should identify what must resume automatically and what requires an operator-controlled restart.

Power connector torque	0.248 N·m
Power conductor size	24–16 AWG

Related product navigation

Emerson IC694ALG223

Emerson IC694MDL740

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