

GENERAL ELECTRIC PACSYSTEMS RX3i

IC695CPS400

PACSystems RX3i Safety Controller

General Electric IC695CPS400 is a PACSystems RX3i standalone safety controller for IEC 61508 SIL2 applications.

Verified technical data

Field	Officially documented value
Controller architecture	Standalone PACSystems RX3i safety controller
Safety integrity	IEC 61508 SIL2
Processor	1.2 GHz AMD G-Series quad-core
Operating system	VxWorks
Program memory	64 MB RAM and 64 MB nonvolatile flash
Maximum I/O	2,000 points per system
Input voltage	18...30 V DC
Maximum input power	20 W
Communications	Ethernet Global Data, Modbus TCP/IP, and OPC UA
Redundancy support	Simplex or Hot-Standby controller configuration
Safety I/O connectivity	PACSystems VersaMax SafetyNet I/O through EGD black-channel communications
Program security	Secure Boot and Trusted Platform Module
Display	OLED display
Mounting	DIN rail
Operating temperature	-40...70 °C
Body dimensions	56.7 × 203.5 × 153.6 mm (W × H × D)
Memory backup	IC695ACC403SN energy pack

Selection and replacement checkpoints

- The controller combines deterministic safety execution, secure program storage, industrial Ethernet communications, and scalable safety I/O connectivity in a DIN-rail unit.
- Before installation or replacement, verify the certified application architecture, PAC Machine Edition project, SafetyNet I/O design, redundancy mode, energy pack, network configuration, and validation records.
- IC695CPS400 requires the certified safety project, redundancy mode, PAC Machine Edition version, SafetyNet I/O, communications, energy pack, and validation records to be verified before commissioning.

Documented applications

- Safety Integrity Level 2 strategies for infrastructure systems
- Fire-and-gas and burner-management safety systems
- Emergency shutdown systems requiring certified safety control

Important selection note

Confirm the complete IC695CPS400 catalog identity, hardware suffix where present, firmware, compatible RX3i platform, connected equipment, wiring, and saved configuration before installation or replacement.