

GENERAL ELECTRIC PACSYSTEMS RX3i

IC695ALG728

PACSystems RX3i 8-Channel Current/Voltage Analog Output Module with HART

General Electric IC695ALG728 is a PACSystems RX3i 8-channel current and voltage analog output module with HART.

Verified technical data

Field	Officially documented value
Analog outputs	8 channels
Current output ranges	0...20 mA; 4...20 mA
Voltage output ranges	±10 V; 0...10 V
HART protocol	HART 5.0
Output data formats	IEEE 32-bit floating point or 16-bit integer in a 32-bit field
All-channel update rate	16 ms with HART enabled; 8 ms without HART
Accuracy at 25 °C	±0.15% of full scale
Accuracy at 60 °C	±0.25% of full scale
Settling time	Voltage: 2 ms; current with HART: 70 ms; current without HART: 23 ms
External power	19.2...30 V DC, 24 V DC nominal; 250 mA maximum
Backplane power	250 mA maximum at 3.3 V DC
Maximum internal dissipation	7.25 W at 24 V user power
Current-output load	850 Ω maximum at 20 V user power
Voltage-output load	2 kΩ minimum
Field-to-backplane isolation	2550 V DC for 1 second

Selection checkpoints

- The module updates all eight channels from the RX3i backplane and uses an external 24 V DC user supply for the field-output circuitry.
- Before installation or replacement, verify each channel mode, HART requirement, field-load resistance, user-power supply, terminal assembly, scaling, fault response, and controller project.
- IC695ALG728 requires each output mode, HART setting, field load, external 24 V DC supply, terminal assembly, scaling, fault response, and saved RX3i configuration to be verified before commissioning.

Documented applications

- Current-loop command of industrial process actuators in PACSystems RX3i systems
- Voltage-command interfaces for compatible industrial control equipment
- HART-enabled analog-output loops for compatible smart field devices

Important selection note

Confirm the complete IC695ALG728 catalog identity, terminal assembly, field wiring, controller compatibility, configuration, and saved project before installation or replacement.