

INDUSTRIAL AUTOMATION PRODUCT

IC695ALG728

RX3i 8-Channel Analog Output Module with HART

Emerson IC695ALG728 provides eight configurable current or voltage output channels with HART 5.0 communications. It is designed for an RX3i Universal Backplane with external isolated 24 VDC field power.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Emerson
System family	PACSystems RX3i I/O
Part number	IC695ALG728
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install IC695ALG728 only in the documented PACSystems RX3i I/O position. Preserve the as-found terminal, point and configuration records; then verify diagnostics and HART-capable analog current and voltage output control under controlled conditions.

System Role and Architecture

Emerson IC695ALG728 provides eight configurable current or voltage output channels with HART 5.0 communications. It is designed for an RX3i Universal Backplane with external isolated 24 VDC field power.

FUNCTION 1
Exact catalog identity IC695ALG728

FUNCTION 2
RX3i 8-Channel Analog Output Module with HART

FUNCTION 3
Documented role: HART-capable analog current and voltage output control

FUNCTION 4
Controlled installation, diagnostics and functional verification

RELATED APTER POWER PAGES

1General Electric DS200PCTMG1AAA

2General Electric DS200PCCAG9ACB

3General Electric DS200FCRRG1AKD

4General Electric DS200ADGIH1AAA

5General Electric A06B-0104-B111-7000

6General Electric 750-P5-G5-HI-A1-R-E

7General Electric IC670MDL640

8General Electric F31X134EPRBEG1-FR00-0

9General Electric IC200MDL740

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	PACSystems RX3i I/O
02	Matched RX3i backplane, carrier or terminal block
03	Documented field wiring, commons, shields and point map
04	Approved controller project and acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	PACSystems RX3i I/O
Interface role	HART-capable analog current and voltage output control
Field / power context	documented PACSystems RX3i backplane or distributed-I/O position
Commissioning evidence	Identity, electrical interfaces, configuration, diagnostics and controlled functional response recorded

INSTALLATION AND CONNECTION CHECKS

- 1

Confirm the complete IC695ALG728 marking, module designation and documented RX3i installation position.
- 2
- Place the controller, machine and connected process in the approved maintenance state.
- 3
- Isolate controller and field power, prove the safe state and apply ESD controls before handling.
- 4
- Record the slot, terminal block, every point assignment, common, shield and connected circuit before removal.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Output channels	8	Field power	External isolated 24 VDC
Current ranges	0–20 mA and 4–20 mA	Backplane	RX3i Universal Backplane
Voltage ranges	±10 V and 0–10 V	Configuration	Software configurable; no jumpers
HART	Version 5.0 on each channel; 4–20 mA range required	Output behavior	Configurable hold-last-state or output defaults
Minimum CPU firmware	RX3i CPU firmware 3.5	Diagnostics	Module fault reporting and on-board error checking
Configuration software	PAC Machine Edition 5.0 SP3 or later	Compatible terminal blocks	IC694TBB032, TBB132, TBS032 or TBS132

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9General Electric IC200MDL740

ENGINEERING BOUNDARY

Confirm IC695ALG728, the complete RX3i host, hardware revision, slot, terminal block, field power, wiring, grounding, shielding, configuration, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

- 1

Confirm the complete IC695ALG728 marking, module designation and documented RX3i installation position.
- 2

Place the controller, machine and connected process in the approved maintenance state.
- 3

Isolate controller and field power, prove the safe state and apply ESD controls before handling.
- 4

Record the slot, terminal block, every point assignment, common, shield and connected circuit before removal.

Applications and Engineering Context

PACSystems RX3i planned maintenance

Restores HART-capable analog current and voltage output control in the documented control architecture.

RX3i 8-Channel Analog Output Module with HART replacement

Uses exact IC695ALG728 identity instead of an adjacent I/O or CPU execution.

Control-system refurbishment

Preserves the installed slot, terminal block, point map, power and engineering configuration.

Controlled recommissioning

Confirms diagnostics and the affected signal or control function before automatic operation.

TECHNICAL NOTE

Install IC695ALG728 only in the documented PACSystems RX3i I/O position. Preserve the as-found terminal, point and configuration records; then verify diagnostics and HART-capable analog current and voltage output control under controlled conditions.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	IC695ALG728 recorded
Host / carrier	PACSystems RX3i I/O
Physical interface	Installed terminal assembly, field power and point assignments matched to the as-found record
Configuration	Approved hardware, firmware and engineering configuration restored
Functional proof	Controlled test confirms HART-capable analog current and voltage output control

IMPORTANT NOTICE

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Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

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MANUFACTURER SOURCE RECORD

Emerson Important Product Information GFK-2373K | Emerson official product and PACSystems documentation, accessed 24 September 2026

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.