GE IC693ALG442

01 Separate system support from service eligibility

SYSTEM USE	Revision and configured rack
SERVICE METHOD	Revision + backplane + approved procedure

Decision	Evidence to retain
System compatibility	Exact module revision and installed RX3i configuration
Maintenance method	Revision plus actual backplane type
Unknown revision	No assumption of energized-service permission

One reference, two revision thresholds

IC693ALG442 is listed for RX3i system use from revision B. Its hot-swap eligibility begins at DA. A module can therefore meet the compatibility threshold while still requiring rack power removal for exchange.

The rack remains part of the decision

Even an eligible module revision does not permit hot swap in an RX3i expansion or remote expansion backplane. Establish the actual backplane before interpreting the module revision.

Do not generalize adjacent-model conditions

IC694ALG442 has a separate revision boundary. The similar family number is not evidence that its service or electrical requirements apply to IC693ALG442.

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02 Evaluate the complete analog loop

Measurement path	Field reference -> channel value -> engineering units
Command path	Authorized command -> electrical signal -> receiving device
Configuration record	Signal function, assignment and scale
Handover record	Results, restored modes and removed temporary forces

Input signal to engineering value

The physical signal, selected channel and engineering-unit scale must refer to the same field device. Compare more than one approved signal point so a coincidentally correct value does not hide an offset or span error.

Command to physical response

An output command must reach the intended circuit and receiving device. Check the terminal signal and application response independently of controller communication status.

Restoration as a controlled transition

Document temporary test conditions and return the process to its intended control mode only after both signal directions have been accepted.

Related product references

ABB CI801 3BSE022366R1

ABB CI840A 3BSE041882R1

ABB NDNA-02 NDNA-02-KIT

Separate references; no substitution or compatibility is implied.