

Controlled installation workflow

01 | Identify

Capture the complete board, connector and drive identity before disturbing the cabinet.

02 | Isolate

Remove energy under site control and prove safe access with suitable test equipment.

03 | Map

Label power, feedback and field connections; retain a photograph of the installed wiring.

04 | Compare

Check the replacement's suffix, connectors and revision against the approved record.

RECORDS TO PRESERVE

Keep photographs of the original board and cabinet, a connector map, isolation record, replacement approval and a test plan before energization.

HOLD POINT

Do not apply power if the installed G3 wiring or configuration cannot be confirmed.

Before energization

CONTROL	REQUIRED RECORD
Identity	Complete 531X111PSHAPG3 marking and installed drive confirmed.
Connections	Power, field and feedback plugs checked against controlled drawings.
Condition	No damaged connector, loose fastener or contamination.
Configuration	G3-specific settings taken from installed records, not copied from G1/G2.
Test plan	Defined acceptance checks and restart authority recorded.

CONFIGURATION LIMIT

Do not apply the G1/G2 jumper map as a G3 setting sheet. Use the installed board record and qualified engineering review.

ENERGIZATION GATE

Only qualified personnel may release the drive for controlled testing after isolation and wiring checks are complete.

Commissioning and acceptance

CHECK	ACCEPTANCE EVIDENCE
Supply verification	Check the required 5 VDC, 15 VDC and 24 VDC rails using the approved drive procedure.
Field-control path	Prove the motor-field function in the permitted operating state.
Alarm review	Investigate unexpected trips or abnormal indications before release.
Records	Log measurements, observed status, board revision and approving engineer.

ACCEPTANCE RECORD

Record each measurement, pass/fail criterion, observed field response, unexplained fault and final restart authority. Keep the record with the equipment history.

RELEASE HOLD POINT

Do not continue operation with unresolved supply, field or identity discrepancies. Return the drive to the approved state and investigate.