X67SM2436

Two-axis X67 stepper motor module

CONTROLLED ENGINEERING COPY

Record motor phase order, current limits, encoder assignment and axis parameters; isolate motor energy before disconnecting either axis.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	X67SM2436
Manufacturer part	X67SM2436
Hardware type	2 bipolar two-phase stepper motors
System family	B&R X67 distributed motion I/O

1 PLAN — 2 ISOLATE — 3 CONNECT — 4 CONFIGURE — 5 TEST

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01 PRE-INSTALLATION PLAN

1. Verify the full X67SM2436 marking and its assigned B&R X67 distributed motion I/O position before work.
2. Place the connected machine or process in the approved maintenance state.
3. Isolate the applicable supply and two stepper-motor phase outputs plus digital/encoder feedback field energy before disconnecting conductors.
4. Record connector, conductor, address and software identities before removal.
5. Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.

MATCHED HARDWARE

- X67 bus connection
- two compatible stepper motors
- 24-to-38.5 V DC power supply
- motor cables and encoder wiring

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	X67SM2436 / X67SM2436 recorded
Physical interface	X67 bus connection
Companion check	two compatible stepper motors
Functional proof	Drives two bipolar stepper motors
Application test	Indexing conveyor axes

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Motor outputs	2 bipolar two-phase stepper motors
I/O supply	24 to 38.5 V DC +/-25%
Maximum module current	8 A
Continuous motor current	3 A per axis
Peak motor current	5 A per axis
Digital inputs	2 x 3; 24 V DC sink
Encoder use	Inputs configurable for incremental encoders

SYSTEM CONNECTION RECORD

CONNECTION ITEM	DOCUMENTED ASSIGNMENT
Installed host / carrier	X67 bus connection
Companion hardware	two compatible stepper motors
Field connection	24-to-38.5 V DC power supply
Primary system function	Drives two bipolar stepper motors
Controlled acceptance duty	Indexing conveyor axes

FIELD NOTE

Record motor phase order, current limits, encoder assignment and axis parameters; isolate motor energy before disconnecting either axis.

03 COMMISSIONING WORKFLOW

1. Confirm X67SM2436 and part number X67SM2436 against the installed record.
2. Verify the physical connection to X67 bus connection.
3. Apply the documented technical values for motor outputs.
4. Exercise the function: drives two bipolar stepper motors.
5. Run a controlled test for indexing conveyor axes.
6. Record the final state, diagnostics and operator acceptance before release.

COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	X67SM2436 / X67SM2436 recorded
Physical interface	X67 bus connection
Companion check	two compatible stepper motors
Functional proof	Drives two bipolar stepper motors
Application test	Indexing conveyor axes

04 RETURN-TO-SERVICE RECORD

- [ ] Confirm the installed X67 bus connection and two compatible stepper motors against the approved project.
- [ ] Restore power in a controlled sequence and review device, network and host diagnostics.
- [ ] Prove the intended indexing conveyor axes function and retain the final test result.
- [ ] Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	X67SM2436
INSTALLED POSITION	Documented B&R X67 distributed motion I/O position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
CA-H200C	Related industrial automation product	View CA-H200C page
CV-X420F	Related industrial automation product	View CV-X420F page
LJ-X8080	Related industrial automation product	View LJ-X8080 page
6ES7954-8LC04-0AA0	Related industrial automation product	View 6ES7954-8LC04-0AA0 page
6AV2124-0QC02-0AX1	Related industrial automation product	View 6AV2124-0QC02-0AX1 page
6ES7590-1AB60-0AA0	Related industrial automation product	View 6ES7590-1AB60-0AA0 page
6EP3334-8SB00-0AY0	Related industrial automation product	View 6EP3334-8SB00-0AY0 page
INTKM01	Related industrial automation product	View INTKM01 page

SOURCE IDENTIFIERS

B&R official product data sheet

B&R product data

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