X67SM2436

Two-axis X67 stepper motor module

Two stepper-motor phase outputs plus digital/encoder feedback

PRODUCT SNAPSHOT

BRAND	FAMILY
B&R	B&R X67 distributed motion I/O
PART	ORIGIN / HS
X67SM2436	Austria / 8537101190

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PRODUCT OVERVIEW

Two stepper-motor phase outputs plus digital/encoder feedback

1. Drives two bipolar stepper motors
2. Supplies 3 A continuous current per axis
3. Accepts 24 V DC digital inputs
4. Supports incremental-encoder input configuration

SYSTEM COMPONENTS

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

TECHNICAL NOTE

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

TECHNICAL DATA

PARAMETER	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

PARAMETER	VALUE
Peak motor current	5 A per axis
Digital inputs	2 x 3; 24 V DC sink
Encoder use	Inputs configurable for incremental encoders

ENGINEERING NOTE

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

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
EH-PT4	Related industrial automation product	View EH-PT4 page
EMT6-DB-066401	Related industrial automation product	View EMT6-DB-066401 page
6AU1455-2AD00-0AA0	Related industrial automation product	View 6AU1455-2AD00-0AA0 page
3511	Related industrial automation product	View 3511 page
3704E	Related industrial automation product	View 3704E page
EMPII-3006	Related industrial automation product	View EMPII-3006 page
9853-610	Related industrial automation product	View 9853-610 page
9761-210	Related industrial automation product	View 9761-210 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Indexing conveyor axes

Drives two bipolar stepper motors

Dual stepper positioning

Supplies 3 A continuous current per axis

Distributed actuator station

Accepts 24 V DC digital inputs

Stepper-module replacement

Supports incremental-encoder input configuration

PRODUCT PRECAUTIONS

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.
6. Confirm the installed X67 bus connection and two compatible stepper motors against the approved project.
7. Restore power in a controlled sequence and review device, network and host diagnostics.
8. Prove the intended indexing conveyor axes function and retain the final test result.

ENGINEER FAQ

Q1 Does X67SM2436 match X67 bus connection in a Indexing conveyor axes installation?

Verify the complete X67SM2436 marking, the documented B&R X67 distributed motion I/O position and the installed X67 bus connection before fitting the assembly.

Q2 How should X67SM2436 be wired when it must drives two bipolar stepper motors?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for X67SM2436; then continuity-test the affected path.

Q3 Which B&R X67 distributed motion I/O records should be captured before removing X67SM2436?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with X67SM2436 before disconnection.

Q4 What controlled test confirms that X67SM2436 can supplies 3 a continuous current per axis?

Apply the approved field or simulated stimulus, observe the B&R X67 distributed motion I/O indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which two compatible stepper motors condition should be checked when X67SM2436 reports an abnormal state?

Check the two compatible stepper motors supply, seating and connection first, then compare channel diagnostics with the recorded X67SM2436 baseline.

Q6 Can X67SM2436 be moved directly into Dual stepper positioning without validating motor cables and encoder wiring?

No. Confirm the motor cables and encoder wiring, revision, connection scheme and B&R X67 distributed motion I/O configuration before transferring X67SM2436 to that duty.

Q7 What maintenance evidence is required after X67SM2436 is used for Distributed actuator station?

Retain the nameplate record, corrective action, final diagnostics and a controlled distributed actuator station functional-test result for X67SM2436.

Q8 How should X67SM2436 be returned to service in Stepper-module replacement?

Restore power under control, verify accepts 24 v dc digital inputs, exercise the intended signal path and release X67SM2436 only after the B&R X67 distributed motion I/O remains in its approved operating state.

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