APTER POWER

PRODUCT TECHNICAL REFERENCE

INDUSTRIAL AUTOMATION PRODUCT

X67SM2436

Two-axis X67 stepper motor module

Two stepper-motor phase outputs plus digital/encoder feedback

IDENTITY	VERIFIED VALUE
Manufacturer	B&R
System family	B&R X67 distributed motion I/O
Part number	X67SM2436
Country	Austria
HS code	8537101190

APTER POWER SALES TEAM

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2 Technical Specifications

Technical values below are limited to the named B&R product record.

PARAMETER	TECHNICAL 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

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED 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

3 System Role and Architecture

Two stepper-motor phase outputs plus digital/encoder feedback

FUNCTION 1

Drives two bipolar stepper motors

FUNCTION 2

Supplies 3 A continuous current per axis

FUNCTION 3

Accepts 24 V DC digital inputs

FUNCTION 4

Supports incremental-encoder input configuration

Matched system components

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

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
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

4 Applications and Engineering Context

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

TECHNICAL NOTE

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

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	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

5 Engineering 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.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
330101-00-66-10-02-CN	Related industrial automation product	**View 330101-00-66-10-02-CN page**
330101-00-58-10-02-CN	Related industrial automation product	**View 330101-00-58-10-02-CN page**
330104-00-06-05-02-CN	Related industrial automation product	**View 330104-00-06-05-02-CN page**
330930-065-01-05	Related industrial automation product	**View 330930-065-01-05 page**
330708-00-10-90-02-00	Related industrial automation product	**View 330708-00-10-90-02-00 page**
CV-X470F	Related industrial automation product	**View CV-X470F page**
CA-CH10	Related industrial automation product	**View CA-CH10 page**
SZ-VH1	Related industrial automation product	**View SZ-VH1 page**

MANUFACTURER SOURCE RECORD

B&R official product data sheet

B&R product data

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