APTER POWER

INDUSTRIAL AUTOMATION PRODUCT

80SD100XD.C0XX-21

ACOPOSmicro dual stepper motor module

Dual stepper-motor power plus X2X, digital and analog I/O data

IDENTITY	VERIFIED VALUE
Manufacturer	B&R
System family	B&R ACOPOSmicro motion
Part number	80SD100XD.C0XX-21
Country	Austria
HS code	8537101190

PRODUCT TECHNICAL REFERENCE

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

2 Technical Specifications

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

PARAMETER	TECHNICAL VALUE
Axes	2
Motor type	Two-phase bipolar stepper
DC bus	24 to 64 V DC +/-25%
Continuous module current	10 A
Communication	X2X Link
Analog inputs	2; +/-10 V; 13 bit
Local I/O	Digital inputs and outputs

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	X2X Link controller
Companion hardware	two compatible stepper motors
Field connection	24-to-64 V DC power supply
Primary system function	Controls two stepper-motor axes
Controlled acceptance duty	Dual-axis feeder control

3 System Role and Architecture

Dual stepper-motor power plus X2X, digital and analog I/O data

FUNCTION 1

Controls two stepper-motor axes

FUNCTION 2

Uses a 24-to-64 V DC bus

FUNCTION 3

Provides ten amperes continuous module current

FUNCTION 4

Integrates X2X Link and local I/O

Matched system components

- X2X Link controller
- two compatible stepper motors
- 24-to-64 V DC power supply
- Automation Studio motion project

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	X2X Link controller
Companion hardware	two compatible stepper motors
Field connection	24-to-64 V DC power supply
Primary system function	Controls two stepper-motor axes
Controlled acceptance duty	Dual-axis feeder control

4 Applications and Engineering Context

Dual-axis feeder control

Controls two stepper-motor axes

Compact indexing machine

Uses a 24-to-64 V DC bus

X2X distributed motion

Provides ten amperes continuous module current

ACOPOSmicro module renewal

Integrates X2X Link and local I/O

TECHNICAL NOTE

Discharge the DC bus, record motor phases and feedback, preserve X2X identity and restore only the documented current, ramp and limit settings.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	80SD100XD.C0XX-21 / 80SD100XD.C0XX-21 recorded
Physical interface	X2X Link controller
Companion check	two compatible stepper motors
Functional proof	Controls two stepper-motor axes
Application test	Dual-axis feeder control

5 Engineering Precautions

1. Verify the full 80SD100XD.C0XX-21 marking and its assigned B&R ACOPOSmicro motion position before work.
2. Place the connected machine or process in the approved maintenance state.
3. Isolate the applicable supply and dual stepper-motor power plus x2x, digital and analog i/o data 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
330101-00-16-05-11-05	Related industrial automation product	View 330101-00-16-05-11-05 page
330105-02-12-90-12-00	Related industrial automation product	View 330105-02-12-90-12-00 page
24701-34-05-00-041-03-02	Related industrial automation product	View 24701-34-05-00-041-03-02 page
84661-34	Related industrial automation product	View 84661-34 page
190501-10-00-00	Related industrial automation product	View 190501-10-00-00 page
200150-09-CN	Related industrial automation product	View 200150-09-CN page
PFTK101A-YM222001-UC	Related industrial automation product	View PFTK101A-YM222001-UC page
3BSE004725R1-DSTD196	Related industrial automation product	View 3BSE004725R1-DSTD196 page

MANUFACTURER SOURCE RECORD

B&R official product data sheet

B&R product data

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