80SD100XD.C0XX-21

ACOPOSmicro dual stepper motor module

CONTROLLED ENGINEERING COPY

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

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	80SD100XD.C0XX-21
Manufacturer part	80SD100XD.C0XX-21
Hardware type	2
System family	B&R ACOPOSmicro motion

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

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01 PRE-INSTALLATION PLAN

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.

MATCHED HARDWARE

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

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
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

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED 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

SYSTEM CONNECTION RECORD

CONNECTION ITEM	DOCUMENTED 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

FIELD NOTE

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

03 COMMISSIONING WORKFLOW

1. Confirm 80SD100XD.C0XX-21 and part number 80SD100XD.C0XX-21 against the installed record.
2. Verify the physical connection to X2X Link controller.
3. Apply the documented technical values for axes.
4. Exercise the function: controls two stepper-motor axes.
5. Run a controlled test for dual-axis feeder control.
6. Record the final state, diagnostics and operator acceptance before release.

COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	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

04 RETURN-TO-SERVICE RECORD

- [ ] Confirm the installed X2X Link controller 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 dual-axis feeder control function and retain the final test result.
- [ ] Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	80SD100XD.C0XX-21
INSTALLED POSITION	Documented B&R ACOPOSmicro motion 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
DSTY101-57120001-KY	Related industrial automation product	**View DSTY101-57120001-KY page**
330130-045-00-00	Related industrial automation product	**View 330130-045-00-00 page**
3500-94	Related industrial automation product	**View 3500-94 page**
990-04-50-01-00	Related industrial automation product	**View 990-04-50-01-00 page**
3500-45-176449-04	Related industrial automation product	**View 3500-45-176449-04 page**
330106-05-30-05-02-00	Related industrial automation product	**View 330106-05-30-05-02-00 page**
51403698-100	Related industrial automation product	**View 51403698-100 page**
10300-1-1	Related industrial automation product	**View 10300-1-1 page**

SOURCE IDENTIFIERS

B&R official product data sheet

B&R product data

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