

6SL3120-2TE21-8AD0

SINAMICS S120 double motor module

CONTROLLED ENGINEERING COPY

Discharge the S120 DC link, verify the booksize D mounting and airflow, record both motor and DRIVE-CLiQ assignments, then commission each channel separately before coordinated operation.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	6SL3120-2TE21-8AD0
Manufacturer part	6SL3120-2TE21-8AD0
Hardware type	6SL3120-2TE21-8AD0
System family	SINAMICS S120 booksize D drive system



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete 6SL3120-2TE21-8AD0 marking and its documented SINAMICS S120 booksize D drive system position before field work.
- 2

Place the connected equipment in the approved maintenance state before removing 6SL3120-2TE21-8AD0.
- 3

Isolate every applicable power, signal and stored-energy source, then prove a safe state at 6SL3120-2TE21-8AD0.
- 4

Record the installed connectors, terminals, jumpers and channel or node assignments before disconnection.
- 5

Use ESD controls and protect keyed interfaces, edge connectors and exposed electronic assemblies.

MATCHED HARDWARE

- SINAMICS S120 600 V DC link
- two compatible 400 V motors
- CU320 or approved S120 control unit
- supplied DRIVE-CLiQ cable and cooling path

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	6SL3120-2TE21-8AD0 / 6SL3120-2TE21-8AD0 recorded
Physical interface	SINAMICS S120 600 V DC link
Companion check	two compatible 400 V motors
Functional proof	Provides two 18 A motor channels
Application test	Dual-axis machine control

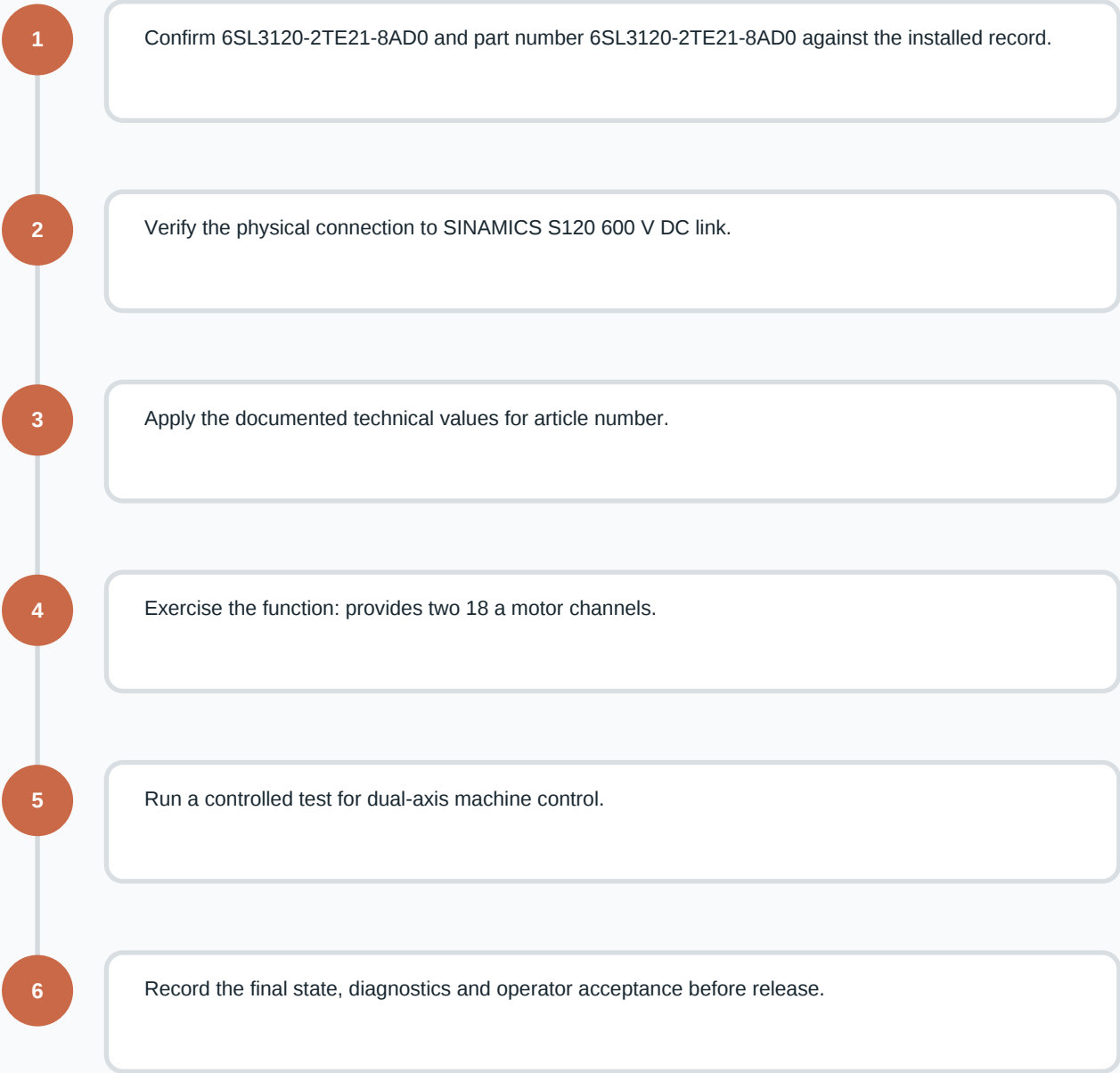
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Article number	6SL3120-2TE21-8AD0
Module type	Double Motor Module
DC-link input	600 V DC
Motor output	400 V 3 AC
Rated output channel 1	18 A
Rated output channel 2	18 A
Mechanical format	Booksize D
Cooling method	Internal air cooling
Control interface	DRIVE-CLiQ
Safety support	Extended Safety Integrated functions

FIELD NOTE

Discharge the S120 DC link, verify the booksize D mounting and airflow, record both motor and DRIVE-CLiQ assignments, then commission each channel separately before coordinated operation.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	6SL3120-2TE21-8AD0 / 6SL3120-2TE21-8AD0 recorded
Physical interface	SINAMICS S120 600 V DC link
Companion check	two compatible 400 V motors
Functional proof	Provides two 18 A motor channels
Application test	Dual-axis machine control

04 RETURN-TO-SERVICE RECORD

- ☐ Restore only the approved SINAMICS S120 booksize D drive system hardware arrangement and configuration after replacement.
- ☐ Energize 6SL3120-2TE21-8AD0 in the documented sequence and review local, host and network diagnostics.
- ☐ Prove the intended controlled function and retain the final acceptance record before production release.
- ☐ Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	6SL3120-2TE21-8AD0
INSTALLED POSITION	Documented SINAMICS S120 booksize D drive system 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
6ES7414-3FM07-0AB0	Related Siemens product	View 6ES7414-3FM07-0AB0 page
6ES7414-3EM07-0AB0	Related Siemens product	View 6ES7414-3EM07-0AB0 page
6ES7414-2XG02-0AB0	Related Siemens product	View 6ES7414-2XG02-0AB0 page
6ES7410-5HX08-0AB0	Related Siemens product	View 6ES7410-5HX08-0AB0 page
6ES7407-0RA02-0AA0	Related Siemens product	View 6ES7407-0RA02-0AA0 page
6ES7400-2JA10-0AA1	Related Siemens product	View 6ES7400-2JA10-0AA1 page
6ES7400-2JA00-0AA0	Related Siemens product	View 6ES7400-2JA00-0AA0 page
6ES7400-0HR51-4AB0	Related Siemens product	View 6ES7400-0HR51-4AB0 page

SOURCE IDENTIFIERS

Siemens SiePortal product record
6SL3120-2TE21-8AD0

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