

6SL3120-1TE31-3AA3

SINAMICS S120 132 A Single Motor Module

CONTROLLED ENGINEERING COPY

Observe DC-link discharge procedures, preserve Drive-CLiQ topology, verify cooling and protective devices, and commission the motor data and integrated Safety functions under the approved project.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	6SL3120-1TE31-3AA3
Manufacturer part	6SL3120-1TE31-3AA3
Hardware type	6SL3120-1TE31-3AA3
System family	Siemens SINAMICS S120 booksize drive system



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete 6SL3120-1TE31-3AA3 marking and its assigned Siemens SINAMICS S120 booksize drive system position before work.
- 2

Place the connected high-power motion axis process in the approved maintenance state.
- 3

Isolate applicable power and 600 vdc link power, 400 v three-phase motor output and drive-cliq control field energy before disconnection.
- 4

Record every connector, conductor, address, firmware and software identity before removal.
- 5

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

MATCHED HARDWARE

- SINAMICS S120 DC link
- SINAMICS control unit and Drive-CLiQ network
- approved motor and feedback system
- booksize cooling and protective devices

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	6SL3120-1TE31-3AA3 / 6SL3120-1TE31-3AA3 recorded
Physical interface	SINAMICS S120 DC link
Companion check	SINAMICS control unit and Drive-CLiQ network
Functional proof	Provides a 132 A motor output
Application test	High-power motion axis

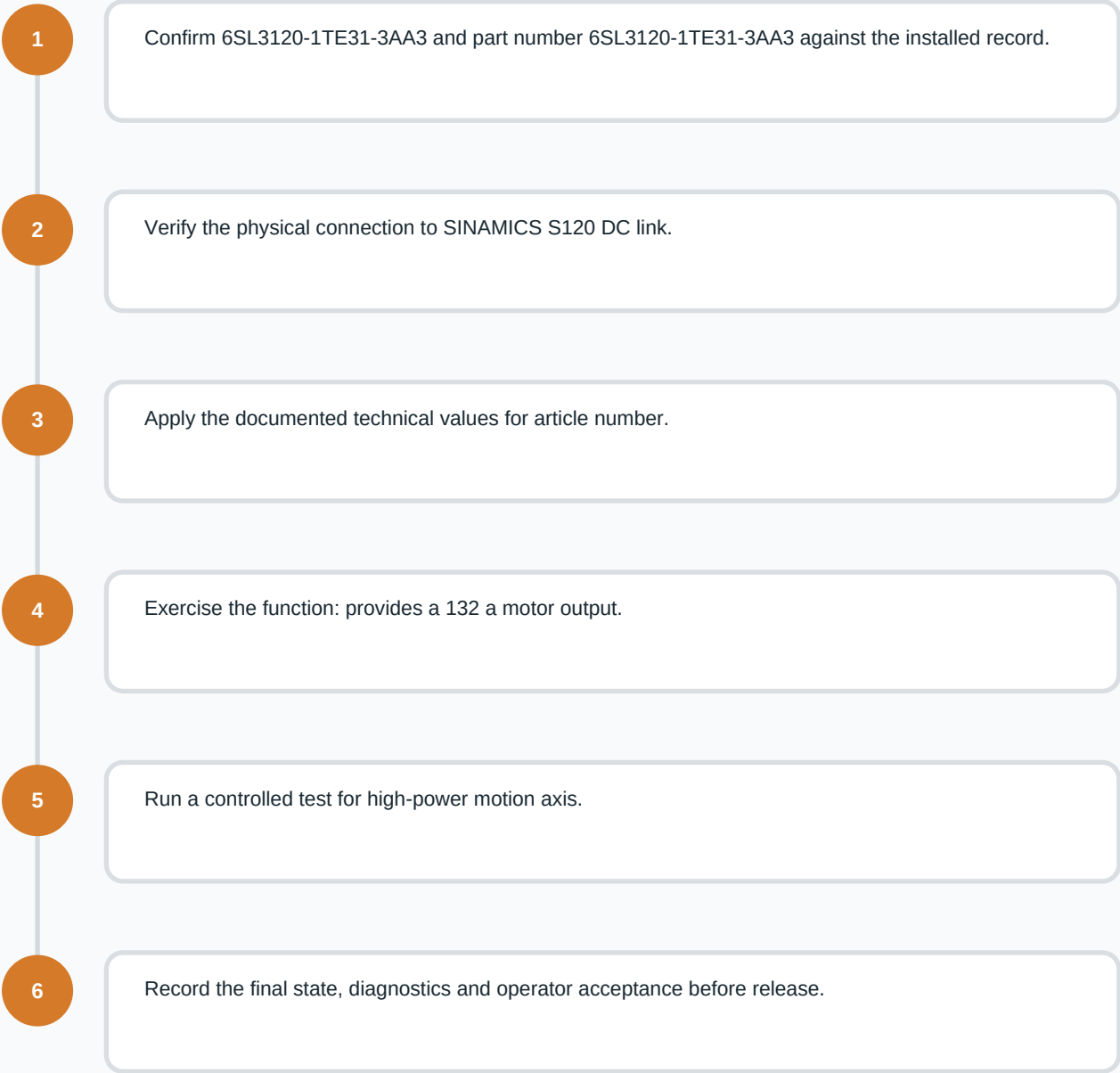
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Article number	6SL3120-1TE31-3AA3
DC-link input	600 V DC
Motor output	400 V three-phase AC
Rated output current	132 A
Rated motor power reference	71 kW
Module type	Single Motor Module
Mechanical format	Booksize, A type
Cooling	Internal air cooling
Pulse sampling	Optimized pulse sample
Safety support	Extended integrated Safety functions
System interface	Drive-CLiQ cable included
Lifecycle status	Active product
Product family	Single Motor Modules in booksize format

FIELD NOTE

Observe DC-link discharge procedures, preserve Drive-CLiQ topology, verify cooling and protective devices, and commission the motor data and integrated Safety functions under the approved project.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	6SL3120-1TE31-3AA3 / 6SL3120-1TE31-3AA3 recorded
Physical interface	SINAMICS S120 DC link
Companion check	SINAMICS control unit and Drive-CLiQ network
Functional proof	Provides a 132 A motor output
Application test	High-power motion axis

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm the installed SINAMICS S120 DC link and SINAMICS control unit and Drive-CLiQ network against the approved project.
- ☐
- Restore power in a controlled sequence and review device, network and host diagnostics.
- ☐
- Prove the intended coordinated production-machine drive function and retain the final test result.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	6SL3120-1TE31-3AA3
INSTALLED POSITION	Documented Siemens SINAMICS S120 booksize 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
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Bently Nevada 21504 00 48 10 02	Related industrial automation product	View Bently Nevada 21504 00 48 10 02 page
ABB 3HAC043569 004	Related industrial automation product	View ABB 3HAC043569 004 page
Bently Nevada 129525 0050 02	Related industrial automation product	View Bently Nevada 129525 0050 02 page
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SOURCE IDENTIFIERS

Siemens SiePortal product record
6SL3120-1TE31-3AA3

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