6SL3055-0AA00-5AA3

SINAMICS S120 SMC10 Sensor Module

CONTROLLED ENGINEERING COPY

Siemens 6SL3055-0AA00-5AA3 is an SMC10 cabinet-mounted Sensor Module for resolver evaluation. It connects resolver and motor-temperature signals to SINAMICS through DRIVE-CLiQ.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	6SL3055-0AA00-5AA3
Manufacturer	Siemens
System family	SINAMICS S120 drive system
Record scope	Installation, application and verification

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

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01 PRE-INSTALLATION PLAN

1. Confirm the complete 6SL3055-0AA00-5AA3 marking, SINAMICS S120 SMC10 Sensor Module designation and the recorded installation position.
2. Place the drive, motor and connected process in the approved maintenance state.
3. Isolate incoming and auxiliary power, prove stored DC-link energy discharged and use ESD controls.
4. Record every power, signal, feedback, communication, shielding and protective-earth connection before removal.
5. Verify the installed host and all official values documented for 6SL3055-0AA00-5AA3; do not infer adjacent executions.

MATCHED HARDWARE

- 6SL3055-0AA00-5AA3 with complete article identity
- documented S120 DRIVE-CLiQ topology
- Documented power, signal and feedback interfaces
- Approved configuration and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	6SL3055-0AA00-5AA3 recorded
Physical interface	Installed power, signal, feedback and communication interfaces matched to the as-found record
Configuration	Approved hardware, firmware and parameter or project configuration restored
Functional proof	Controlled test confirms resolver and motor-temperature signal evaluation

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Module type	Sensor Module Cabinet-Mounted SMC10
Encoder type	2-pole or multipole resolver
Encoder connection	One SUB-D connection including motor temperature sensing
Temperature sensors	KTY84-130, Pt1000 or PTC
System interface	One DRIVE-CLiQ interface
Electronics supply	24 V DC
Mounting	TH35 DIN rail to EN/IEC 60715
Maximum 24 V current	0.2 A excluding encoder
Maximum conductor cross-section	2.5 mm²
Maximum external fuse	20 A
Maximum power loss	10 W
Resolver excitation	4.1 V
Excitation frequency	5–16 kHz

RELATED PRODUCT PAGES

1. Siemens 6SE7036-1EE85-1HA0
2. Siemens C98043-A1682-L1
3. Siemens A5E36717803
4. Siemens A5E36717808
5. Siemens A5E00297630
6. Siemens 6SE7041-8GK85-0LA0
7. Siemens 6SE7041-8EK85-1MA0
8. Siemens 6SE7037-0EJ84-1JC2

FIELD NOTE

Confirm 6SL3055-0AA00-5AA3, the complete SINAMICS S120 drive system host, hardware revision, installed position, terminals, connectors, stored-energy state, protective earth, shielding, cooling, firmware or parameter record, diagnostics and controlled acceptance evidence before release.

03 COMMISSIONING WORKFLOW

1. Confirm the complete 6SL3055-0AA00-5AA3 marking, SINAMICS S120 SMC10 Sensor Module designation and the recorded installation position.
2. Place the drive, motor and connected process in the approved maintenance state.
3. Isolate incoming and auxiliary power, prove stored DC-link energy discharged and use ESD controls.
4. Record every power, signal, feedback, communication, shielding and protective-earth connection before removal.
5. Verify the installed host and all official values documented for 6SL3055-0AA00-5AA3; do not infer adjacent executions.
6. Restore the approved hardware revision, connectors, cooling path and parameter or project record.

COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	6SL3055-0AA00-5AA3
Physical interface	Installed power, signal, feedback and communication interfaces matched to the as-found record
Configuration	Approved hardware, firmware and parameter or project configuration restored
Functional proof	Controlled test confirms resolver and motor-temperature signal evaluation

04 RETURN-TO-SERVICE RECORD

- [ ] Verify the installed host and all official values documented for 6SL3055-0AA00-5AA3; do not infer adjacent executions.
- [ ] Restore the approved hardware revision, connectors, cooling path and parameter or project record.
- [ ] Energize in the manufacturer sequence and review drive, module and communication diagnostics.
- [ ] Complete controlled interlock, feedback and safe-point functional tests before service release.

VERIFICATION RECORD

PRODUCT IDENTITY	6SL3055-0AA00-5AA3
INSTALLED POSITION	documented S120 DRIVE-CLiQ topology
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- [ ] Verify the installed host and all official values documented for 6SL3055-0AA00-5AA3; do not infer adjacent executions.
- [ ] Restore the approved hardware revision, connectors, cooling path and parameter or project record.
- [ ] Energize in the manufacturer sequence and review drive, module and communication diagnostics.
- [ ] Complete controlled interlock, feedback and safe-point functional tests before service release.

SOURCE IDENTIFIERS

Siemens SINAMICS S120 Sensor Modules catalog data and SiePortal record | Siemens official product and family documentation, accessed 24 September 2026