

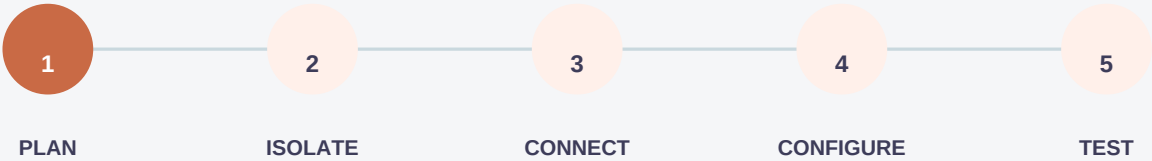
6SE7090-0XX84-0BA0

SIMOVERT MASTERDRIVES TSY Tacho and Synchronization Module

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Siemens 6SE7090-0XX84-0BA0 is the TSY digital-tachometer and synchronization module for SIMOVERT MASTERDRIVES. The Siemens Vector Control Compendium identifies TSY as special-board code 110.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	6SE7090-0XX84-0BA0
Manufacturer	Siemens
System family	SIMOVERT MASTERDRIVES
Record scope	Installation, application and verification



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01 PRE-INSTALLATION PLAN

1

Confirm the complete 6SE7090-0XX84-0BA0 marking, SIMOVERT MASTERDRIVES TSY Tacho and Synchronization 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 6SE7090-0XX84-0BA0; do not infer adjacent executions.

MATCHED HARDWARE

- 6SE7090-0XX84-0BA0 with complete article identity
- documented MASTERDRIVES option-board position
- Documented power, signal and feedback interfaces
- Approved configuration and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	6SE7090-0XX84-0BA0 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 digital tacho evaluation and drive synchronization

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Module designation	TSY
Module function	Digital tachometer and synchronization
Drive platform	SIMOVERT MASTERDRIVES
Special-board code	TSY parameter value 110
Lifecycle	Discontinued product
Availability	Sale until zero stock

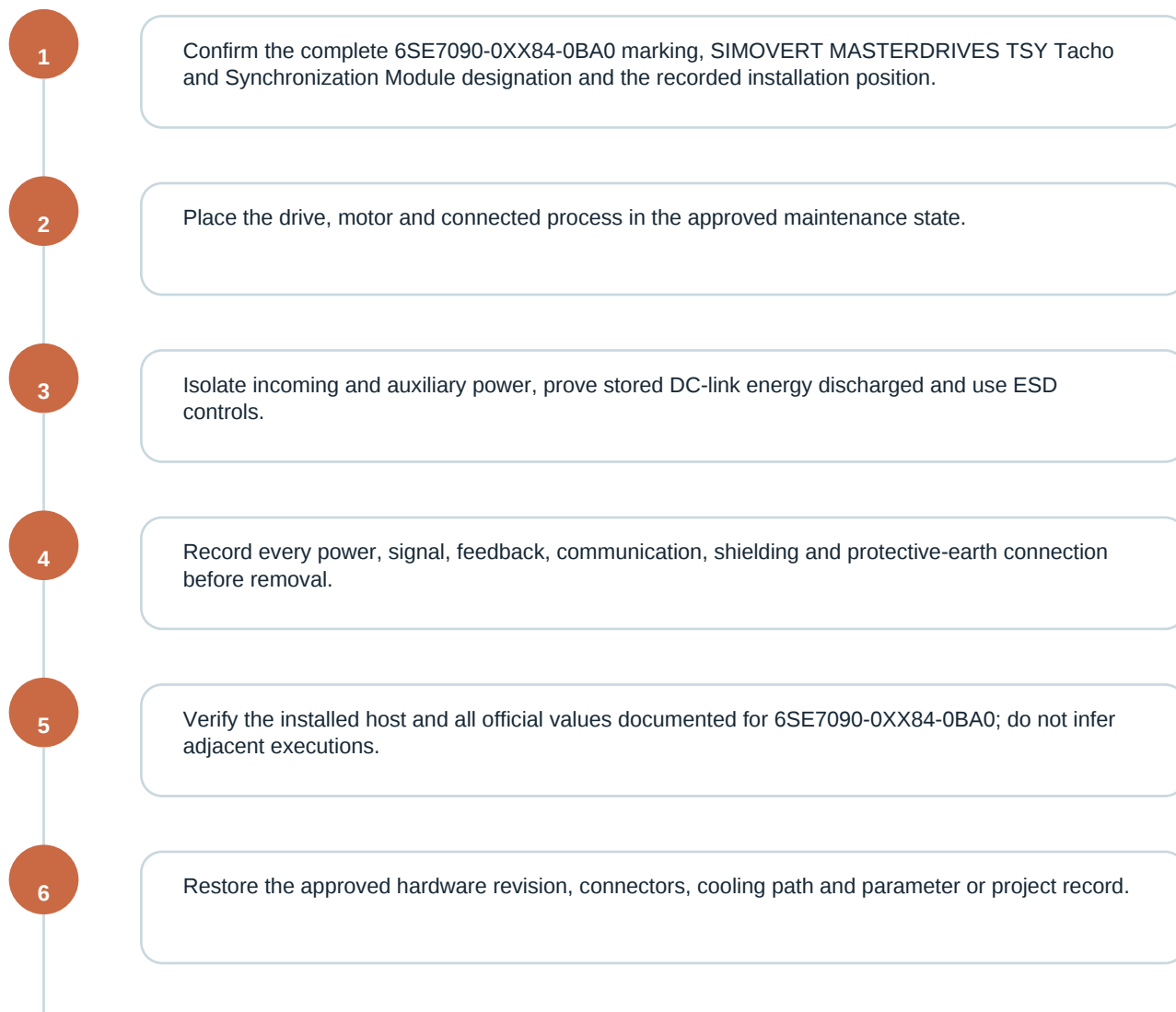
RELATED PRODUCT PAGES

1 Siemens A5E45508681002	2 Siemens 6DR5310-0NG00-0AA0	3 Siemens 6DR5020-0NG13-0AA0
4 Siemens 6DR2004-1	5 Siemens 6DR2104-4	6 Siemens 6ES7517-3HP00-0AB0
7 Siemens 6ES7153-2BA02-0XB0	8 Siemens 6ES7214-1AG40-0XB0	

FIELD NOTE

Confirm 6SE7090-0XX84-0BA0, the complete SIMOVERT MASTERDRIVES 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



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	6SE7090-0XX84-0BA0
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 digital tacho evaluation and drive synchronization

04 RETURN-TO-SERVICE RECORD

- ☐ Verify the installed host and all official values documented for 6SE7090-0XX84-0BA0; 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	6SE7090-0XX84-0BA0
INSTALLED POSITION	documented MASTERDRIVES option-board position
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 6SE7090-0XX84-0BA0; 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 SiePortal product record and SIMOVERT MASTERDRIVES Vector Control Compendium | Siemens official product and family documentation, accessed 24 September 2026