

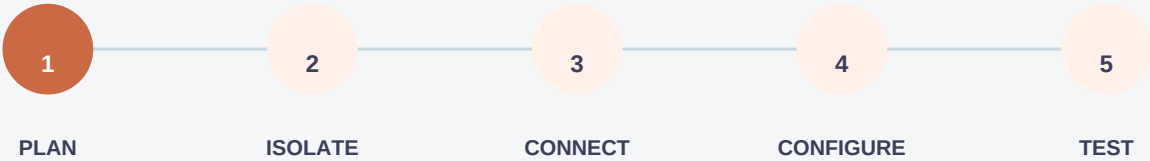
6ES7305-1BA80-0AA0

SIMATIC PS 305 Regulated Power Supply

CONTROLLED ENGINEERING COPY

Siemens 6ES7305-1BA80-0AA0 is a SIMATIC PS 305 regulated power supply for an S7-300 installation. It converts a 24–110 V DC input to a regulated 24 V DC, 2 A output.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	6ES7305-1BA80-0AA0
Manufacturer	Siemens
System family	SIMATIC S7-300 power supply
Record scope	Installation, application and verification



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01 PRE-INSTALLATION PLAN

1

Confirm the complete 6ES7305-1BA80-0AA0 marking and the documented SIMATIC PS 305 Regulated Power Supply execution.

2

Place the machine, controller and affected process in the approved maintenance state.

3

Isolate all hazardous energy and prove the safe state before disconnecting hardware.

4

Record the installed position, every terminal or port, and the active engineering configuration.

5

Verify the exact electrical, interface and environmental limits in the manufacturer evidence.

MATCHED HARDWARE

- Siemens 6ES7305-1BA80-0AA0 with complete article identity
- Matched SIMATIC S7-300 power supply host or connected equipment
- Documented power, signal and communication interfaces
- Approved configuration, diagnostics and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	6ES7305-1BA80-0AA0 recorded
Physical interface	Installed terminals, ports and signal paths matched to the as-found record
Configuration	Approved hardware and engineering configuration restored
Functional proof	Controlled test confirms providing regulated 24 V DC power from a documented 24–110 V DC source to an S7-300 station

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Product designation	SIMATIC PS 305 regulated power supply
Host system	SIMATIC S7-300
Input type	DC
Input voltage range	24 to 110 V DC
Output type	Regulated DC
Rated output voltage	24 V DC
Rated output current	2 A
Application class	Outdoor-design S7-300 power supply
Lifecycle note	Phase-out announced

RELATED PRODUCT PAGES

1General Electric IC693CHS398

2General Electric IS200ACLEH1BCB

3General Electric DS200TCDAF1BCM

4General Electric IS200STAOH2AAA

5General Electric IS200BTCH1BBB

6General Electric IS200EMIOH1ACA

7General Electric IS200ECTBG1A

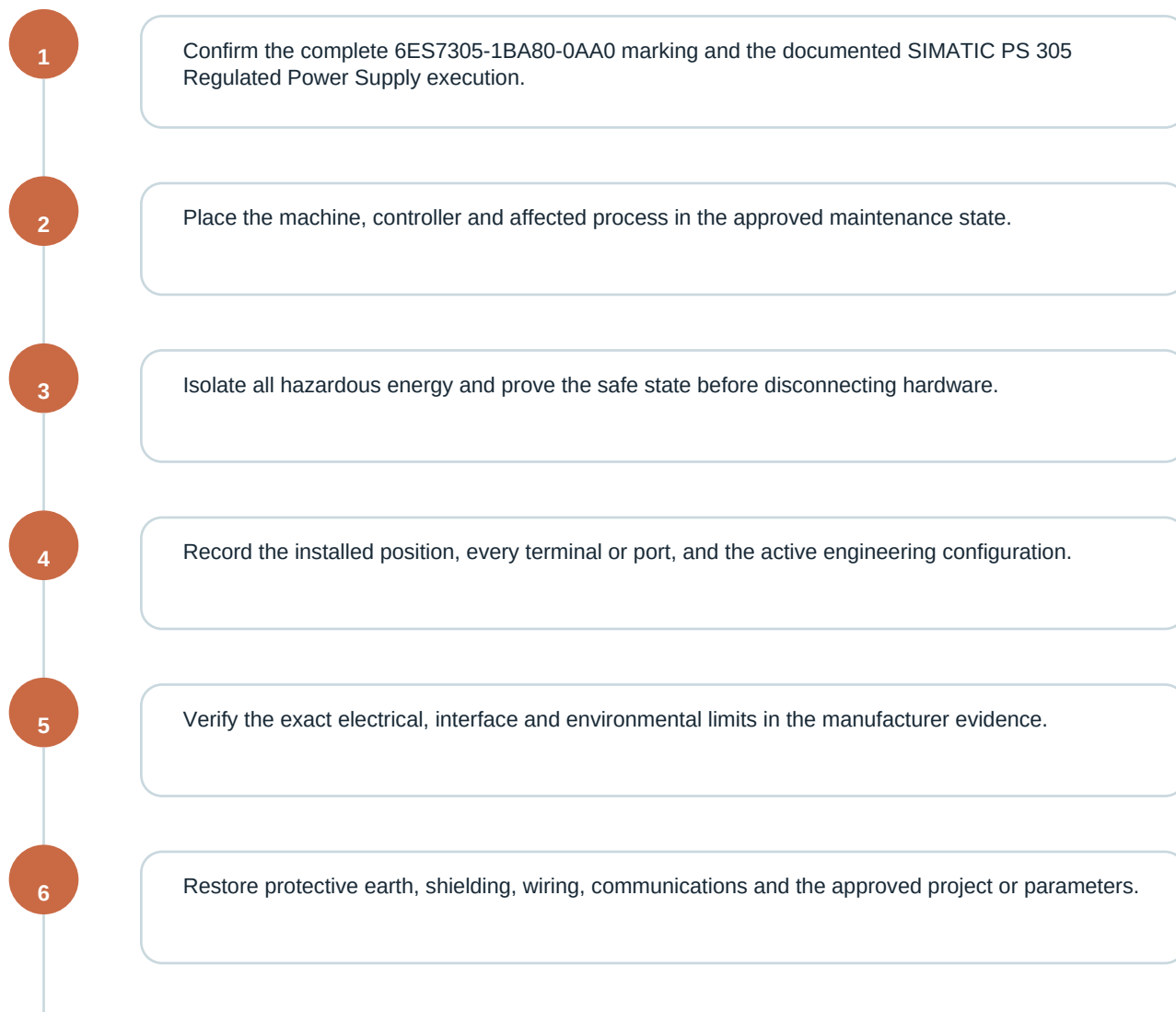
8General Electric IS200TRTDH1CCC-594440

9General Electric IS200TRLYH1BGF

FIELD NOTE

Confirm 6ES7305-1BA80-0AA0, its exact SIMATIC S7-300 power supply host, power source, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	6ES7305-1BA80-0AA0
Physical interface	Installed terminals, ports and signal paths matched to the as-found record
Configuration	Approved hardware and engineering configuration restored
Functional proof	Controlled test confirms providing regulated 24 V DC power from a documented 24–110 V DC source to an S7-300 station

04 RETURN-TO-SERVICE RECORD

- ☐ Verify the exact electrical, interface and environmental limits in the manufacturer evidence.
- ☐ Restore protective earth, shielding, wiring, communications and the approved project or parameters.
- ☐ Energize under control and review all device, rack, network and process diagnostics.
- ☐ Complete a controlled functional test of providing regulated 24 V DC power from a documented 24–110 V DC source to an S7-300 station before release.

VERIFICATION RECORD

PRODUCT IDENTITY	6ES7305-1BA80-0AA0
INSTALLED POSITION	Documented SIMATIC S7-300 power supply position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Verify the exact electrical, interface and environmental limits in the manufacturer evidence.
- ☐ Restore protective earth, shielding, wiring, communications and the approved project or parameters.
- ☐ Energize under control and review all device, rack, network and process diagnostics.
- ☐ Complete a controlled functional test of providing regulated 24 V DC power from a documented 24–110 V DC source to an S7-300 station before release.

SOURCE IDENTIFIERS

Siemens SiePortal exact-article record for 6ES7305-1BA80-0AA0 | Official manufacturer evidence verified 28 September 2026