

6GK7443-1EX11-0XE0

SIMATIC S7-400 CP 443-1 Industrial Ethernet Processor

CONTROLLED ENGINEERING COPY

Siemens 6GK7443-1EX11-0XE0 is a CP 443-1 communications processor that connects a SIMATIC S7-400 station to Industrial Ethernet at 10/100 Mbit/s. It supports ISO, TCP/IP, UDP and S7 communication with extended diagnostics and access control.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	6GK7443-1EX11-0XE0
Manufacturer	Siemens
System family	SIMATIC S7-400 CP 443-1
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 6GK7443-1EX11-0XE0 marking and the documented SIMATIC S7-400 CP 443-1 Industrial Ethernet Processor 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 6GK7443-1EX11-0XE0 with complete article identity
- Matched SIMATIC S7-400 CP 443-1 host or connected equipment
- Documented power, signal and communication interfaces
- Approved configuration, diagnostics and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	6GK7443-1EX11-0XE0 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 Industrial Ethernet communication for an S7-400 controller using ISO, TCP/IP, UDP and S7 services

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Product designation	Communication Processor CP 443-1
Host system	SIMATIC S7-400
Network	Industrial Ethernet
Transfer rate	10 / 100 Mbit/s
Transport services	ISO, ISO-on-TCP, TCP and UDP
S7 communication	Supported
Open communication	SEND / RECEIVE with and without RFC1006
Additional services	Fetch/write and multicast
Time synchronization	NTP
Initialization	Via LAN
Access protection	IP access list
Diagnostics	Extended diagnostic functions

RELATED PRODUCT PAGES

1

[Siemens 6SL3246-0BA22-1FA0](#)

2

[General Electric IC698CPE010](#)

3

[General Electric IC697MEM715](#)

4

[General Electric IC752SPL013](#)

5

[General Electric IC670MDL330](#)

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[General Electric IC670MDL331](#)

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[General Electric IC670MDL241](#)

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[General Electric IC670MDL240](#)

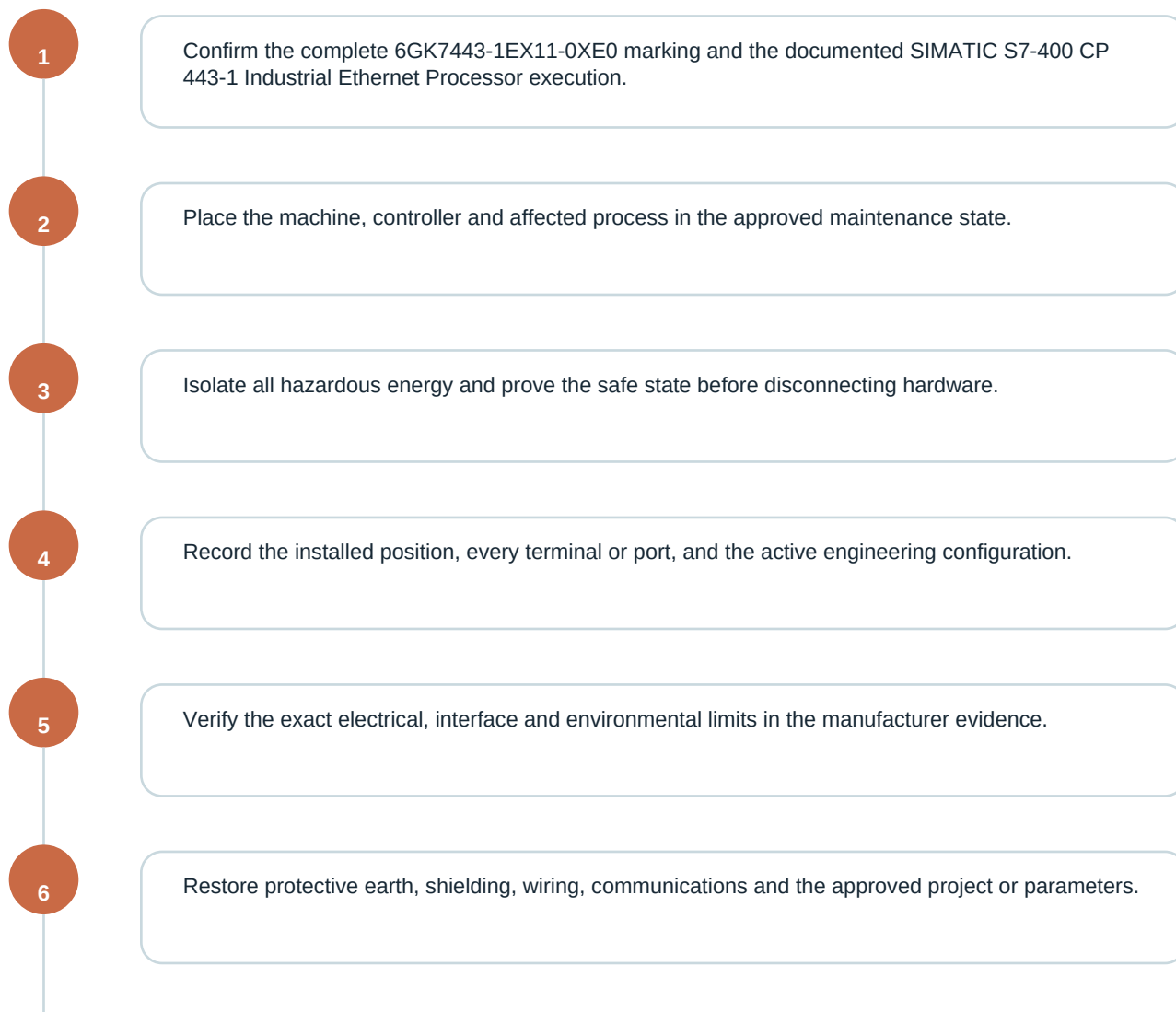
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[General Electric IC670MDL233](#)

FIELD NOTE

Confirm 6GK7443-1EX11-0XE0, its exact SIMATIC S7-400 CP 443-1 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	6GK7443-1EX11-0XE0
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 Industrial Ethernet communication for an S7-400 controller using ISO, TCP/IP, UDP and S7 services

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 Industrial Ethernet communication for an S7-400 controller using ISO, TCP/IP, UDP and S7 services before release.

VERIFICATION RECORD

PRODUCT IDENTITY	6GK7443-1EX11-0XE0
INSTALLED POSITION	Documented SIMATIC S7-400 CP 443-1 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 Industrial Ethernet communication for an S7-400 controller using ISO, TCP/IP, UDP and S7 services before release.

SOURCE IDENTIFIERS

Siemens SiePortal exact-article record and CP 443-1 documentation for 6GK7443-1EX11-0XE0 | Official manufacturer evidence verified 28 September 2026