

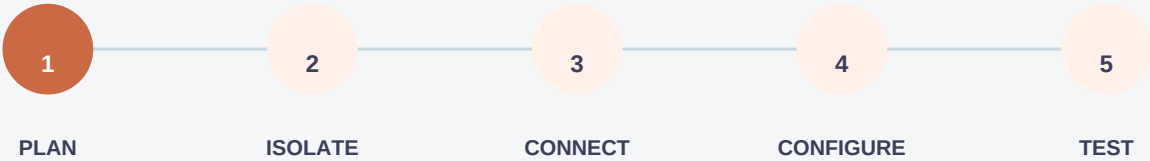
6GK5205-3BB00-2AB2

SCALANCE XB205-3 Managed Layer 2 Industrial Ethernet Switch

CONTROLLED ENGINEERING COPY

Siemens 6GK5205-3BB00-2AB2 is a SCALANCE XB205-3 managed Layer 2 Industrial Ethernet switch with five 10/100 Mbit/s RJ45 ports and three multimode ST fiber ports. It is configured for PROFINET by default and accepts redundant 24 V DC power for DIN-rail installations.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	6GK5205-3BB00-2AB2
Manufacturer	Siemens
System family	Siemens SCALANCE XB-200 managed
Record scope	Installation, application and verification



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01 PRE-INSTALLATION PLAN

1

Confirm the exact 6GK5205-3BB00-2AB2 marking and documented SCALANCE XB205-3 Managed Layer 2 Industrial Ethernet Switch execution.

2

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

3

Isolate power and field interfaces; prove the safe state before disconnecting hardware.

4

Record every port, terminal, module position, configuration file and active diagnostic.

5

Verify the exact supply, interface and environmental limits in the Siemens data sheet.

MATCHED HARDWARE

- Siemens 6GK5205-3BB00-2AB2 with complete article identity
- Matched Siemens host system or industrial network
- Documented field, power and communication interfaces
- Approved project, diagnostics and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	6GK5205-3BB00-2AB2 recorded
Physical interface	Installed ports, terminals and communications matched to the as-found record
Configuration	Approved Siemens hardware and network configuration restored
Functional proof	Controlled test confirms managed Layer 2 switching between copper and multimode fiber segments in a PROFINET industrial network

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Product type	SCALANCE XB205-3
Switch class	Managed Layer 2 Industrial Ethernet switch
Copper network ports	5 x RJ45
Copper transfer rate	10 / 100 Mbit/s
Optical ports	3 x multimode ST (BFOC)
Optical transmission	100BaseFX
Console interface	1 x RJ11
Management connection	RJ45
Default industrial protocol	PROFINET
PROFINET conformity class	Class B
PROFINET network load class	Class III
Maximum Ethernet telegram length	1632 bytes
Maximum VLAN count	257

RELATED PRODUCT PAGES

1 Siemens A5E36717793

2 Siemens A5E36717811

3 Siemens 6SE7041-8HK85-1HA0

4 Siemens 6SL3200-0SP01-0AA0

5 Siemens 6SE7041-8EK85-1HA0

6 Siemens 6SE7041-8EK85-0HA0

7 Siemens 6SE7041-8GK85-0HA0

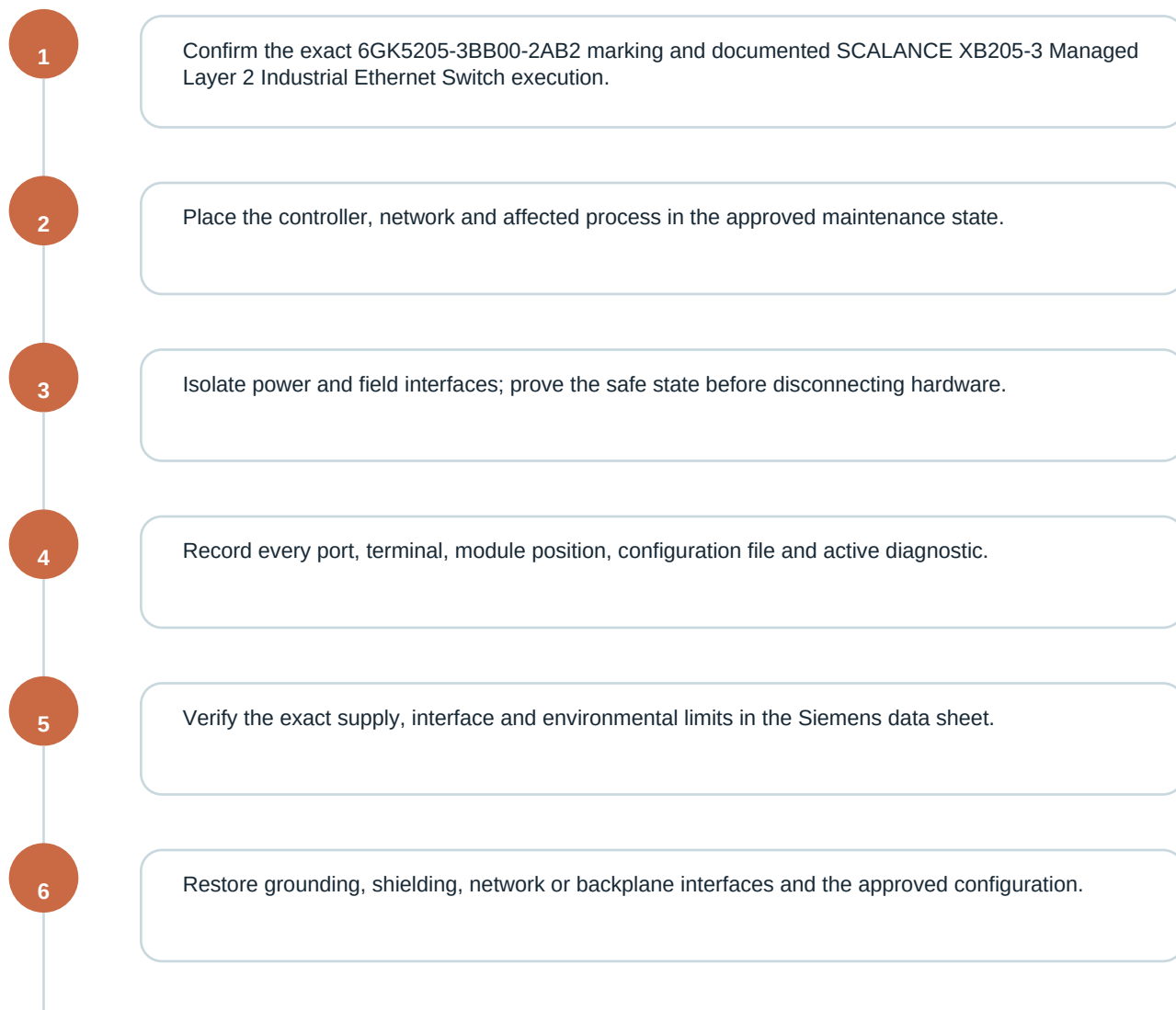
8 Siemens 6RA8075-6DS22-0AA0

9 Siemens 6SL3350-6TK00-0BA0

FIELD NOTE

Confirm 6GK5205-3BB00-2AB2, its exact Siemens SCALANCE XB-200 managed host, power source, installed position, interfaces, firmware or project configuration, diagnostics and controlled acceptance evidence before release.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	6GK5205-3BB00-2AB2
Physical interface	Installed ports, terminals and communications matched to the as-found record
Configuration	Approved Siemens hardware and network configuration restored
Functional proof	Controlled test confirms managed Layer 2 switching between copper and multimode fiber segments in a PROFINET industrial network

04 RETURN-TO-SERVICE RECORD

- ☐ Verify the exact supply, interface and environmental limits in the Siemens data sheet.
- ☐ Restore grounding, shielding, network or backplane interfaces and the approved configuration.
- ☐ Energize under control and review all device, link, rack and system diagnostics.
- ☐ Complete a controlled functional test of managed Layer 2 switching between copper and multimode fiber segments in a PROFINET industrial network before release.

VERIFICATION RECORD

PRODUCT IDENTITY	6GK5205-3BB00-2AB2
INSTALLED POSITION	Documented Siemens rack or control-cabinet position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Verify the exact supply, interface and environmental limits in the Siemens data sheet.
- ☐ Restore grounding, shielding, network or backplane interfaces and the approved configuration.
- ☐ Energize under control and review all device, link, rack and system diagnostics.
- ☐ Complete a controlled functional test of managed Layer 2 switching between copper and multimode fiber segments in a PROFINET industrial network before release.

SOURCE IDENTIFIERS

Siemens Data Sheet 6GK5205-3BB00-2AB2, dated 20 February 2026 | Siemens official exact-article data sheet, verified 28 September 2026