

INDUSTRIAL AUTOMATION PRODUCT

6AV2123-2JB03-0AX0

SIMATIC HMI KTP900 Basic Panel

Siemens 6AV2123-2JB03-0AX0 is a SIMATIC HMI KTP900 Basic Panel with key and touch operation, a 9-inch TFT display and 65,536 colors. It connects through PROFINET and is configurable from WinCC Basic V13 or STEP 7 Basic V13.

CONTROLLED ENGINEERING COPY

IDENTITY	VERIFIED VALUE
Manufacturer	Siemens
System family	SIMATIC HMI Basic Panels 2nd Generation
Part number	6AV2123-2JB03-0AX0
Document status	Controlled product and system reference

DOCUMENT SCOPE

Exact article identity, official technical data, host matching, installation checks, applications, precautions and controlled acceptance evidence.

MODEL-SPECIFIC ENGINEERING NOTE

Install 6AV2123-2JB03-0AX0 only in the documented SIMATIC HMI Basic Panels 2nd Generation position and preserve its exact wiring, interfaces and configuration. After controlled energization, verify diagnostics and key-and-touch operator visualization over PROFINET in a SIMATIC automation station before service release.

System Role and Architecture

Siemens 6AV2123-2JB03-0AX0 is a SIMATIC HMI KTP900 Basic Panel with key and touch operation, a 9-inch TFT display and 65,536 colors. It connects through PROFINET and is configurable from WinCC Basic V13 or STEP 7 Basic V13.

FUNCTION 1
KTP900 Basic 2nd Generation

FUNCTION 2
9-inch TFT touch display

FUNCTION 3
65,536 colors

FUNCTION 4
PROFINET with WinCC Basic V13 engineering

RELATED APTER POWER PAGES

1General Electric IC694MDL645D

2General Electric IC694MDL645A

3General Electric IC693CMM321-KM

4General Electric IC693ALG391G

5General Electric MMLG02R1AA0001E

6General Electric IC695PSD040F

7General Electric 151X1225DF01PC03RA

8General Electric DS200DCFBG1BNC

9General Electric 8811-IO-DC

MATCHED SYSTEM COMPONENTS

NO.	DOCUMENTED COMPONENT / ROLE
01	SIMATIC HMI Basic Panels 2nd Generation
02	Matched SIMATIC HMI Basic Panels 2nd Generation host or field system
03	Documented power, signal, communication and protective interfaces
04	Approved engineering configuration and acceptance record

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Host identity	SIMATIC HMI Basic Panels 2nd Generation
Interface role	key-and-touch operator visualization over PROFINET in a SIMATIC automation station
Field / power context	documented SIMATIC HMI Basic Panels 2nd Generation installation
Commissioning evidence	Identity, wiring, configuration, diagnostics and controlled response recorded

INSTALLATION AND CONNECTION CHECKS

1Confirm the complete 6AV2123-2JB03-0AX0 marking and the documented SIMATIC HMI KTP900 Basic Panel execution.

2Place the machine, controller and affected process in the approved maintenance state.

3Isolate all hazardous energy and prove the safe state before disconnecting hardware.

4Record the installed position, every terminal or port, and the active engineering configuration.

Technical Specifications

Technical values below are limited to the named product record and directly applicable manufacturer documentation.

PARAMETER	VALUE	PARAMETER	VALUE
Product designation	SIMATIC HMI KTP900 Basic	Display colors	65,536
Panel generation	Basic Panel, 2nd Generation	Communication interface	PROFINET
Operator method	Key and touch operation	Configuration software	WinCC Basic V13 or later
Display size	9 inch	Engineering environment	STEP 7 Basic V13 or later
Display technology	TFT color display	Software notice	Contains open-source software supplied with the product

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ENGINEERING BOUNDARY

Confirm 6AV2123-2JB03-0AX0, its exact SIMATIC HMI Basic Panels 2nd Generation host, power source, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

PRE-INSTALLATION CHECKS

- 1

Confirm the complete 6AV2123-2JB03-0AX0 marking and the documented SIMATIC HMI KTP900 Basic Panel 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.

Applications and Engineering Context

Machine HMI station

Combines touch and physical-key operation for the documented machine.

PROFINET visualization

Exchanges process and alarm data through the configured controller network.

Basic Panel migration

Restores the approved WinCC Basic project on the exact KTP900 target.

Operator acceptance testing

Checks every screen, key, touch zone, alarm and network tag.

TECHNICAL NOTE

Install 6AV2123-2JB03-0AX0 only in the documented SIMATIC HMI Basic Panels 2nd Generation position and preserve its exact wiring, interfaces and configuration. After controlled energization, verify diagnostics and key-and-touch operator visualization over PROFINET in a SIMATIC automation station before service release.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	6AV2123-2JB03-0AX0 recorded
Host / carrier	SIMATIC HMI Basic Panels 2nd Generation
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 key-and-touch operator visualization over PROFINET in a SIMATIC automation station

IMPORTANT NOTICE

Confirm 6AV2123-2JB03-0AX0, its exact SIMATIC HMI Basic Panels 2nd Generation host, power source, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

Related Products and Source Record

Brand-qualified Apter Power navigation links are provided for system planning only; manufacturer evidence remains the named source record.

RELATED PRODUCTS ON APTER POWER

1

General Electric IC694MDL645D

View General Electric IC694MDL645D page

2

General Electric IC694MDL645A

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3

General Electric IC693CMM321-KM

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General Electric 8811-IO-DC

View General Electric 8811-IO-DC page

MANUFACTURER SOURCE RECORD

Siemens SiePortal exact-article record for 6AV2123-2JB03-0AX0 | Official manufacturer evidence verified 28 September 2026

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RECOMMENDATION SCOPE

These links support product navigation and comparison. Technical values in this document are sourced only from the manufacturer record above.