

6ES7131-4BF00-0AA0

ET 200S 8DI 24 V DC Digital Input Module

Siemens 6ES7131-4BF00-0AA0 is the et 200s 8di 24 v dc digital input module for SIMATIC ET 200S. It provides eight-channel 24 V DC digital input acquisition in an ET 200S station in the documented

PRODUCT SNAPSHOT

BRAND
Siemens

FAMILY
SIMATIC ET 200S

PART
6ES7131-4BF00-0AA0

DOCUMENT STATUS
Controlled engineering copy

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PRODUCT OVERVIEW

Siemens 6ES7131-4BF00-0AA0 provides eight-channel 24 V DC digital input acquisition in an ET 200S station in a documented SIMATIC ET 200S installation.

 Digital inputs: 8

 Rated input voltage: 24 V DC

 Module width: 15 mm

 Signal 1 voltage: 15 to 30 V

RELATED APTER POWER PAGES

 Siemens 6ES7131-4BD01-0AA0

 Siemens 6ES7131-6BF00-0BA0

 Siemens 6ES7521-1BH00-0AB0

 Siemens 6ES7521-1BL10-0AA0

 Siemens 6ES7521-1BL00-0AB0

 Siemens 6ES7221-3BD30-0XB0

 Siemens 6ES7221-1BF32-0XB0

 Siemens 6ES7221-1BF22-0XA0

SYSTEM COMPONENTS

DOCUMENTED COMPONENT	ROLE IN SYSTEM
ET 200S 8DI 24 V DC Digital Input Module	SIMATIC ET 200S
Documented power, signal and communication interfaces	Approved engineering configuration and acceptance record

ENGINEERING CONTEXT

The component remains matched to its documented cabinet position, power source, interfaces and approved engineering configuration. Commissioning restores that architecture and verifies the affected control or communication function under controlled conditions.

TECHNICAL DATA

PARAMETER	VALUE
Digital inputs	8
Rated input voltage	24 V DC
Module width	15 mm
Signal 1 voltage	15 to 30 V
Signal 0 voltage	-30 to +5 V
Signal 1 input current	5 mA typical

PARAMETER	VALUE
Input delay	3 ms typical; 2.0 to 4.5 ms
Input characteristic	IEC 61131 Type 1
2-wire sensors	Supported; 1.5 mA maximum bias current
Address space	1 byte
Channel indication	Green LED per channel
Isochronous operation	Supported

RELATED PRODUCT PAGES

1 Siemens 6ES7131-4BD01-0AA0

2 Siemens 6ES7131-6BF00-0BA0

3 Siemens 6ES7521-1BH00-0AB0

4 Siemens 6ES7521-1BL10-0AA0

5 Siemens 6ES7521-1BL00-0AB0

6 Siemens 6ES7221-3BD30-0XB0

7 Siemens 6ES7221-1BF32-0XB0

8 Siemens 6ES7221-1BF22-0XA0

TECHNICAL NOTE

Use 6ES7131-4BF00-0AA0 only in the documented SIMATIC ET 200S position. Preserve the exact connectors, power, signal or network configuration and verify eight-channel 24 V DC digital input acquisition in an ET 200S station during controlled commissioning.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

SIMATIC ET 200S installation

Uses 6ES7131-4BF00-0AA0 for eight-channel 24 V DC digital input acquisition in an ET 200S station in

Controlled replacement

Restores the exact 6ES7131-4BF00-0AA0 identity, interfaces and configuration before energization.

Commissioning verification

Checks 6ES7131-4BF00-0AA0 diagnostics and the affected function under controlled conditions.

Lifecycle maintenance

Preserves the approved SIMATIC ET 200S wiring, network and engineering record during service work.

PRODUCT PRECAUTIONS

1

Confirm the complete 6ES7131-4BF00-0AA0 marking and the documented ET 200S 8DI 24 V DC Digital

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.

6

Restore protective earth, shielding, wiring, communications and the approved project or

7

Energize under control and review all device, rack, network and process diagnostics.

8

Complete a controlled functional test of eight-channel 24 V DC digital input acquisition in an ET 200S station

RELATED APTER POWER PAGES

1

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2

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ENGINEER FAQ

Q1 How many field inputs are provided by 6ES7131-4BF00-0AA0?

For 6ES7131-4BF00-0AA0, the official Siemens evidence records digital inputs as 8. Apply that value only within the documented SIMATIC ET 200S configuration and confirm the affected eight-channel

Q2 What nominal field voltage is required for the digital-input channels?

For 6ES7131-4BF00-0AA0, the official Siemens evidence records rated input voltage as 24 V DC. Apply that value only within the documented SIMATIC ET 200S configuration and confirm the affected

Q3 How wide is the module in an ET 200S station?

For 6ES7131-4BF00-0AA0, the official Siemens evidence records module width as 15 mm. Apply that value only within the documented SIMATIC ET 200S configuration and confirm the affected eight-channel

Q4 Which voltage band is interpreted as signal state 1?

For 6ES7131-4BF00-0AA0, the official Siemens evidence records signal 1 voltage as 15 to 30 V. Apply that value only within the documented SIMATIC ET 200S configuration and confirm the affected

Q5 Which voltage band is interpreted as signal state 0?

For 6ES7131-4BF00-0AA0, the official Siemens evidence records signal 0 voltage as -30 to +5 V. Apply that value only within the documented SIMATIC ET 200S configuration and confirm the affected

Q6 What typical input current is drawn at signal state 1?

For 6ES7131-4BF00-0AA0, the official Siemens evidence records signal 1 input current as 5 mA typical. Apply that value only within the documented SIMATIC ET 200S configuration and confirm the affected

Q7 What input-delay window must a functional test accommodate?

For 6ES7131-4BF00-0AA0, the official Siemens evidence records input delay as 3 ms typical; 2.0 to 4.5 ms. Apply that value only within the documented SIMATIC ET 200S configuration and confirm the affected

Q8 Which IEC 61131 input characteristic applies to the module?

For 6ES7131-4BF00-0AA0, the official Siemens evidence records input characteristic as IEC 61131 Type 1. Apply that value only within the documented SIMATIC ET 200S configuration and confirm the affected

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SOURCE Siemens ET 200S 8DI DC24V manual for 6ES7131-4BF00-0AA0 | Official manufacturer evidence verified 28 September 2026

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