APTER POWER PRODUCT REFERENCE MANUAL

6ES7131-6BF00-0BA0

SIMATIC ET 200SP DI 8x24 V DC Standard Module

ENGINEERING LENS	EIGHT-CHANNEL DIGITAL ACQUISITION AND SUCCESSOR PLANNING
SYSTEM	SIMATIC ET 200SP distributed I/O
SOURCE CONTROL	Manufacturer-published information only

This original Apter Power manual explains eight-channel digital acquisition and successor planning using only the manufacturer source named inside the document.

Manufacturer	Siemens
Prepared by	Apter Power
Document ID	AP-SIEM-15-6ES7131-6BF00-0BA0-PM-R1
Revision	R1
Issue date	2026-08-14

1. Product Identity and System Role

6ES7131-6BF00-0BA0 is a Siemens SIMATIC ET 200SP standard digital input module with eight 24 V DC inputs. It mounts on a BaseUnit type A0, uses color code CC01, and provides module diagnostics for distributed machine and process signal acquisition.

The module senses eight 24 V DC field states from switches, proximity sensors, contacts, and interlocks, converts them into process input bits, and transfers the data and module diagnostics through the ET 200SP backplane to the controller.

Model Configuration

Field	Verified information
Complete model	6ES7131-6BF00-0BA0
Manufacturer	Siemens
Product description	SIMATIC ET 200SP DI 8x24 V DC Standard Module
System	SIMATIC ET 200SP distributed I/O

Product-Specific Design Focus

eight-channel digital acquisition and successor planning

2. Technical Specifications and Evidence Boundary

Only values supported by the named Siemens source are stated. Where the complete ordering code is absent from public data, the field is explicitly marked for verification.

Parameter	Verified value
Manufacturer	Siemens
Product type	DI 8x24VDC ST
Digital inputs	8
Rated input voltage	24 V DC
BaseUnit	Type A0
Color code	CC01
Diagnostics	Module diagnostics

Evidence Note

Use the complete 6ES7131-6BF00-0BA0 identity. Siemens lists the article as a spare part that is no longer available and identifies 6ES7131-6BF01-0BA0 as the successor. Verify engineering compatibility before migration. Values not published in the cited Siemens source are intentionally not inferred.

3. Functions, Applications and Matched Components

Core Functions

- The module senses eight 24 V DC field states from switches, proximity sensors, contacts, and interlocks, converts them into process input bits, and transfers the data and module diagnostics through the ET 200SP backplane to the controller.
- Preserves the documented role within SIMATIC ET 200SP distributed I/O.
- Supports model-specific engineering review without substituting unverified third-party data.

Application Areas

Application	System role
SIMATIC ET 200SP distributed I/O	Maintains the documented eight-channel digital acquisition and successor planning role in a correctly matched installation.
Process and machine automation	Supports the control, communication, power, safety, measurement, or protection duty stated in the official source for this exact or verified family identity.
Lifecycle-controlled maintenance	Requires complete-code, nameplate, host-system, and project verification before replacement or recommissioning.

Compatible Components

- SIMATIC ET 200SP interface module and server module approved for the station
- BaseUnit type A0 and 24 V DC sensors wired to the module manual
- STEP 7 / TIA Portal hardware configuration supporting this article

Lifecycle Status

Siemens lists the article as a spare part that is no longer available and identifies 6ES7131-6BF01-0BA0 as the successor. Verify engineering compatibility before migration.

4. Installation Precautions

- Match every character of 6ES7131-6BF00-0BA0 to the physical nameplate before work.
- Use the exact Siemens manual, wiring drawing, and safety instructions for the installed revision.
- De-energize and apply the required lockout, discharge, ESD, and stored-energy controls before removal.
- Back up firmware, parameters, controller project, calibration, and network settings where applicable.
- Verify supply, signal type, polarity, grounding, shielding, connector pinout, load, and environmental limits.
- Commission with the manufacturer test procedure and record results before returning equipment to service.

DECISION GATE - Verify before installation
Use the complete 6ES7131-6BF00-0BA0 identity. Siemens lists the article as a spare part that is no longer available and identifies 6ES7131-6BF01-0BA0 as the successor. Verify engineering compatibility before migration. Values not published in the cited Siemens source are intentionally not inferred.
Controlling records: physical nameplate, current Siemens document, and host-system drawings.

5. Official Source and Use Notice

Official manufacturer source

Siemens SiePortal product data for 6ES7131-6BF00-0BA0 and ET 200SP product information A5E03799595.

https://mall.industry.siemens.com/mall/zh/cn/Catalog/Product/6ES7131-6BF00-0BA0

Apter Power product page

https://www.apterpower.com/Siemens/6es7131-6bf00-0ba0

Use Notice

This is an original Apter Power model-specific reference prepared from the Siemens source named above. It is not a Siemens publication and does not replace the original data sheet, nameplate, certificate, installation drawing, safety instructions, or machine-builder documentation.

ASK FOR QUOTE

For availability and a model-specific quotation, visit www.apterpower.com or contact sales13@apterpower.com.