

6ES7432-1HF00-0AB0

SIMATIC S7-400 SM 432 Analog Output Module

Siemens 6ES7432-1HF00-0AB0 is an isolated SIMATIC S7-400 SM 432 analog output module. It converts controller output data into eight voltage or current signals for analog field devices.

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SCAN FOR PRODUCT & QUOTE

6ES7432-1HF00-0AB0

PRODUCT SNAPSHOT

BRAND
Siemens

FAMILY
SIMATIC S7-400

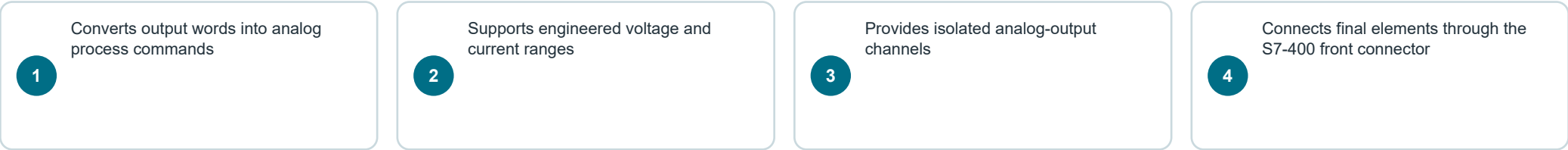
MODEL
6ES7432-1HF00-0AB0

DOCUMENT SET
Technical reference / field workbook / complete information

OFFICIAL PRODUCT DESCRIPTION

Siemens 6ES7432-1HF00-0AB0 is an isolated SIMATIC S7-400 SM 432 analog output module. It converts controller output data into eight voltage or current signals for analog field devices.

FUNCTION MAP



TECHNICAL DATA

ANALOG OUTPUTS 8	RESOLUTION 13 bit
LOAD VOLTAGE 24 Vdc	BACKPLANE CURRENT AT 5 VDC 150 mA maximum
POWER LOSS 9 W typical	VOLTAGE RANGES 0–10 V; 1–5 V; ±10 V
CURRENT RANGES 0–20 mA; ±20 mA; 4–20 mA	SHIELDED CABLE LENGTH 200 m maximum
VOLTAGE LOAD 1 kΩ minimum	CURRENT LOAD 500 Ω maximum
CONVERSION TIME 300 μs; 420 μs for 1–5 V and 4–20 mA	

ENGINEERING NOTE

Set the channel measuring-range modules and STEP 7 hardware parameters to match the wired voltage or current loops before enabling outputs.

COMMON APPLICATIONS

1

Control-valve command loops

2

Drive reference outputs

3

Analog damper positioning

4

Process setpoint distribution

COMPATIBILITY REVIEW

IDENTITY Exact model and hardware execution: 6ES7432-1HF00-0AB0	HOST PLATFORM SIMATIC S7-400
PRIMARY COMPANION SIMATIC S7-400 rack	SECONDARY COMPANION 48-pin front connector
FIELD BOUNDARY 24 Vdc load supply	ACCEPTANCE DUTY Control-valve command loops

MANUFACTURER SOURCE RECORD

Siemens SIMATIC S7-400 Module Data | official technical datasheet for 6ES7432-1HF00-0AB0

[Open official manufacturer source](#)

Selection boundary: never transfer ratings, wiring, configuration or compatibility from a visually similar model. Confirm the complete physical label and the manufacturer record for the installed system.

PRODUCT PRECAUTIONS

- 1

Verify the complete 6ES7432-1HF00-0AB0 marking, hardware execution and assigned SIMATIC S7-400 position.
- 2

Place the process in the approved maintenance state and isolate every applicable energy source.
- 3

Record as-found wiring, shields, jumpers, cable tags, slot identity and diagnostics before removing 6ES7432-1HF00-0AB0.
- 4

Use ESD controls and protect keyed connectors, terminals and assemblies while handling 6ES7432-1HF00-0AB0.
- 5

Confirm the installed SIMATIC S7-400 rack and 48-pin front connector against approved drawings and configuration records.
- 6

Inspect mating hardware, terminal condition, grounding and mechanical retention before installation.
- 7

Restore power or network service in controlled stages; confirm status indications before functional commands.
- 8

Complete a documented functional test for control-valve command loops and retain the as-left record.

COMMISSIONING ACCEPTANCE

MECHANICAL Correct position, retention and terminal condition	ELECTRICAL / NETWORK Supply, grounding, shields, polarity and continuity confirmed
CONFIGURATION Slot, channel, range and companion hardware match approved records	FUNCTIONAL Controlled control-valve command loops test completed without abnormal diagnostics

Related SIMATIC S7-400 products on Apter Power

MODEL	SERIES / SYSTEM ROLE	APTER POWER PAGE
6ES7431-0HH00-0AB0	SIMATIC S7-400 analog input module	Open product page
6ES7422-1BL00-0AA0	SIMATIC S7-400 digital output module	Open product page
6ES7421-1BL01-0AA0	SIMATIC S7-400 digital input module	Open product page
6ES7407-0RA02-0AA0	SIMATIC S7-400 PS 407 power supply	Open product page
6ES7400-1JA11-0AA1	SIMATIC S7-400 universal rack	Open product page

ENGINEER FAQ — 8 MODEL-SPECIFIC CHECKS

Q1	What must be matched before installation?	Match the full 6ES7432-1HF00-0AB0 marking, revision or execution, assigned position and installed companion hardware.
Q2	What should be isolated first?	Use the site's approved maintenance state and isolate the energy sources serving SIMATIC S7-400 rack and 48-pin front connector.
Q3	What as-found record is required?	Record terminal identity, polarity, shields, jumpers, cable tags, configuration and diagnostic status.
Q4	Which compatibility check is mandatory?	Compare the SIMATIC S7-400 slot, interface, companion hardware and wiring scheme with approved project documentation.
Q5	How should commissioning begin?	Begin with visual and continuity checks, then restore service in stages and observe normal status indications.
Q6	How should the assigned function be proved?	Use a controlled test for control-valve command loops while required interlocks and process safeguards remain effective.
Q7	What should be checked after an abnormal result?	Recheck seating, terminations, supply or network condition, channel assignment and manufacturer diagnostics before further replacement.
Q8	What evidence should be retained?	Retain the 6ES7432-1HF00-0AB0 identity, as-left wiring/configuration, final diagnostics and functional-test result.

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[Open official manufacturer source](#)