SIMATIC S7-400

Product Data Sheet

6ES7431-7QH00-0AB0

SM 431 analog input module

FUNCTION	FAMILY	ORIGIN	WEIGHT
SM 431 analog input module	**SIMATIC S7-400**	**Germany**	**0.7**

Siemens 6ES7431-7QH00-0AB0 is a SM 431 analog input module for the SIMATIC S7-400. The values below are limited to the exact documented article.

01 VERIFIED TECHNICAL DATA

Analog inputs	16 channels
Input groups	4 groups of 4 channels
Signal types	Voltage, current, resistance and temperature
Resolution	Up to 16 bits, signal-range dependent
Isolation	Galvanic isolation to backplane bus
Supply voltage	24 V DC
Configuration	STEP 7 hardware configuration
Backplane current	Maximum 700 mA
External supply current	Maximum 400 mA at 24 V DC
Power loss	Typical 4.5 W

Technical values are limited to the exact manufacturer record and applicable official manual.

02 ADDITIONAL PRODUCT DATA

03 OFFICIAL APPLICATIONS

- Chemical and Petrochemical Manufacturing: ['Industrial chemical production', 'Petrochemical production and processing']
- Pharmaceutical and Life Science Manufacturing: ['Pharmaceutical formulation and production', 'Biotechnology and life science manufacturing']
- Thermal, Hydroelectric and Renewable Power Generation: ['Thermal and hydroelectric power production', 'Renewable generation and energy integration']

04 SYSTEM COMPATIBILITY

Match 6ES7431-7QH00-0AB0 to the installed SIMATIC S7-400, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

05 OFFICIAL SOURCES

Siemens SIMATIC S7-400 SM 431 technical data

AMIKON PRODUCT SUPPORT

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