

SIMATIC S7-400

Product Data Sheet

6ES7432-1HF00-0AB0

SM 432 analog output module

FUNCTION SM 432 analog output module	FAMILY SIMATIC S7-400	ORIGIN Germany	WEIGHT 0.80 kg
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S7-400 6ES7432-1HF00-0AB0 is a SM 432 analog output module for the SIMATIC S7-400. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Conversion Time	420 µs; 420 µs in the ranges 1 to 5 V and 4 to 20 mA; 300 µs in all ranges
Current Output Compliance	19 V
Maximum Current Load	500 Ω; 600 ohms if common-mode-voltage reduced to <1 V
Power Loss	9 W
Resolution	13 bit
Settling time — for capacitive load	3.5 ms
Settling time — for inductive load	0.5 ms
Settling time — for resistive load	0.1 ms
Voltage, relative to output range, (+/-)	0.5 %; ±10 V, 0 to 10 V, 1 to 5 V
Current, relative to output range, (+/-)	1 %; ±20 mA, 4 to 20 mV

ADDITIONAL PRODUCT DATA

With voltage outputs, capacitive loa	1 μ F
Minimum Voltage Load	1 k Ω
Short-circuit Current	30 mA
From supply and load voltage L+ (without load	200 mA; at rated load: max. 400 mA
Protection against fouling acc. to EN 60664-3	Yes; Type 1 protection

OFFICIAL APPLICATIONS

- Press lines and robotic welding cells: Remote Station Systems
- Mill drives and furnace auxiliaries: Energy Management Systems
- Paper machine wet-end systems: Drive Coordination Systems

SYSTEM COMPATIBILITY

Match 6ES7432-1HF00-0AB0 to the installed SIMATIC S7-400, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Siemens official manufacturer documentation](#)

<https://support.industry.siemens.com/>

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM