

S7-300

Product Data Sheet

6ES7331-7NF00-0AB0

high-resolution analog input module

FUNCTION high-resolution analog input module	FAMILY S7-300	ORIGIN Germany	WEIGHT 0.27 kg
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S7-300 6ES7331-7NF00-0AB0 is a high-resolution analog input module for the S7-300. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Module Designation	SM 331
Analog Inputs	8 isolated channels
Resolution	16 bit
Voltage Ranges	±5 V, ±10 V and 1 to 5 V
Current Ranges	±20 mA and 0/4 to 20 mA
Conversion Time	55 ms
Backplane Current	130 mA maximum
Power Loss	0.6 W typical
Shielded Cable Length	200 m
Isolation Test	500 V DC

- Batch preparation and transfer areas: Process Control Systems
- Raw water intake and pumping stations: Plant Utility Systems
- Boiler feed and auxiliary plants: Equipment Monitoring Systems

Match 6ES7331-7NF00-0AB0 to the installed S7-300, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens official manufacturer documentation](#)

Local official manufacturer PDF: 6ES7331-7NF00-0AB0.pdf