

SIMATIC S7-300 ANALOG I/O

Product Data Sheet

6ES7331-7TF00-0AB0

eight-channel analog input

FUNCTION eight-channel analog input	FAMILY SIMATIC S7-300 analog I/O	ORIGIN Germany	WEIGHT 0.2 kg
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S7-300 6ES7331-7TF00-0AB0 is a eight-channel analog input for the SIMATIC S7-300 analog I/O. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Rated Supply	24 V
Reverse Polarity Protection	Yes
From Load Voltage L+ (Without Load), Max.	20 mA
From Backplane Bus 5 V Dc, Max.	120 mA
Power Loss	1.5 W
Analog Input Count	8
For Resistance Measurement	0
Permissible Input Current For Current Inpu	40 mA
Input Resistance (0 To 20 Ma)	125 Ω
Shielded, Max.	800 m

ADDITIONAL PRODUCT DATA

Measurement Principle	Sigma Delta
Resolution With Overrange (Bit Including S	16 bit
Integration Time (Ms)	20 ms at 50 Hz; 16.6 ms at 60 Hz; 100 ms at 100 Hz
Interference Voltage Suppression For Inter	10 / 50 / 60 Hz
Current, Relative To Input Range, (+	0.15 %

OFFICIAL APPLICATIONS

- Compression and Pipeline Stations: Hydrocarbon Control Systems
- Stock and Paper Machines: Mill Production Systems
- Pumping and Filtration Plants: Utility Automation Systems

SYSTEM COMPATIBILITY

Match 6ES7331-7TF00-0AB0 to the installed SIMATIC S7-300 analog I/O, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Siemens official product documentation](#)

Local manufacturer PDF: 6ES7331-7TF00-0AB0.pdf

AMIKON PRODUCT SUPPORT

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