

S7-300

Product Data Sheet

6ES7331-1KF02-0AB0

analog input module

FUNCTION analog input module	FAMILY S7-300	ORIGIN Germany	WEIGHT 0.25 kg
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S7-300 6ES7331-1KF02-0AB0 is a analog input module for the S7-300. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

from backplane bus 5 V DC, max.	90 mA
permissible input voltage for voltage input	30 V; 12 V continuous, 30 V for max. 1 s
permissible input current for current input	40 mA
Resolution with overrange (bit including sign), max.	13 bit
permissible input voltage for voltage input , max.	30 V
Module Designation	SM 331
Analog Inputs	8
Input Types	Voltage, current, resistance and RTD
RTD Types	Pt100, Ni100, Ni1000 and LG-Ni1000
Module Update Time	66 ms

ADDITIONAL PRODUCT DATA

Backplane Current	90 mA maximum
Power Loss	0.4 W typical
Shielded Cable Length	200 m
Isolation Test	500 V DC

OFFICIAL APPLICATIONS

- Compression and pipeline terminals: Equipment Monitoring Systems
- Blending and reactor process units: Production Interface Systems
- Clean utility production suites: Material Handling Systems

SYSTEM COMPATIBILITY

Match 6ES7331-1KF02-0AB0 to the installed S7-300, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Siemens official manufacturer documentation](#)

Local official manufacturer PDF: 6ES7331-1KF02-0AB0.pdf

AMIKON PRODUCT SUPPORT

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