

SIMATIC S7-300

Product Data Sheet

6ES7331-7PF01-0AB0

eight-channel RTD input module

FUNCTION eight-channel RTD input module	FAMILY SIMATIC S7-300	ORIGIN Germany	WEIGHT 0.40 kg
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Siemens Simatic S7 6ES7331-7PF01-0AB0 is a eight-channel RTD input module for the SIMATIC S7-300. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Input ranges (rated values), voltages	0 to +10 V
Input ranges (rated values), currents	0 to 20 mA
Resolution with overrange (bit including sign), max.	16 bit; Two's complement
Interference voltage suppression for interference	frequency f1 in Hz
frequency f1 in Hz	400 / 60 / 50 Hz
Load voltage L+	Rated value (DC)
Power loss, typ.	4.6 W
Input ranges (rated values), resistance thermometer	Cu 10
Rated value (DC)	24 V
Reverse polarity protection	Yes

ADDITIONAL PRODUCT DATA

Voltage	No
Number of analog inputs	8
Basic conversion time (ms)	up to 4 channels: 10 ms per module, over 5 channels: 190 ms per module, 8
Diagnostic alarm	Yes; Parameterizable per group
Diagnostics function	Yes; Parameterizable

OFFICIAL APPLICATIONS

- Reactor and separation instrumentation: Process equipment
- Boiler and turbine auxiliary instrumentation: Plant equipment
- Pumping and filtration instrumentation: Treatment equipment

SYSTEM COMPATIBILITY

Match 6ES7331-7PF01-0AB0 to the installed SIMATIC S7-300, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Siemens official product documentation](#)

Local official manufacturer PDF: 6ES7331-7PF01-0AB0.pdf

AMIKON PRODUCT SUPPORT

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