

SIMATIC S7-300

# Product Data Sheet

**6ES7331-7SF00-0AB0**

intrinsically safe analog input module

|                                                    |                          |                   |                   |
|----------------------------------------------------|--------------------------|-------------------|-------------------|
| FUNCTION<br>intrinsically safe analog input module | FAMILY<br>SIMATIC S7-300 | ORIGIN<br>Germany | WEIGHT<br>0.40 kg |
|----------------------------------------------------|--------------------------|-------------------|-------------------|

Siemens Simatic S7 6ES7331-7SF00-0AB0 is a intrinsically safe analog input module for the SIMATIC S7-300. The values below are limited to the exact documented article.

01

## VERIFIED TECHNICAL DATA

|                        |                                    |
|------------------------|------------------------------------|
| Analog Inputs          | 8 thermocouple or 4 Pt100 channels |
| Signal Origin          | Intrinsically safe area signals    |
| Load Voltage           | 24 V DC                            |
| Backplane Current      | 120 mA maximum at 5 V DC           |
| Typical Power Loss     | 0.6 W                              |
| Thermocouple Input     | 8 thermocouple channels            |
| Resistance Thermometer | 4 Pt100 channels                   |
| Current Input          | Not supported                      |
| Front Connector        | 1 x 20-pin                         |
| Diagnostics            | Group diagnostics supported        |

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

Match 6ES7331-7SF00-0AB0 to the installed SIMATIC S7-300, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

### [Siemens official product documentation](#)

Local official manufacturer PDF: 6ES7331-7SF00-0AB0.pdf