

SIPLUS S7-300

# Product Data Sheet

**6AG1331-7PF11-4AB0**

SIPLUS thermocouple input module

|                                                     |                                |                          |                          |
|-----------------------------------------------------|--------------------------------|--------------------------|--------------------------|
| FUNCTION<br><b>SIPLUS thermocouple input module</b> | FAMILY<br><b>SIPLUS S7-300</b> | ORIGIN<br><b>Germany</b> | WEIGHT<br><b>0.40 kg</b> |
|-----------------------------------------------------|--------------------------------|--------------------------|--------------------------|

Siemens Simatic S7 6AG1331-7PF11-4AB0 is a SIPLUS thermocouple input module for the SIPLUS 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                                                                       |
| Ambient air temperature-barometric pressure-altitude | Tmin ... Tmax at 1 140 hPa ... 795 hPa (-1 000 m ... +2 000 m) // Tmin ... (Tmax |
| 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)                                                                 |
| Input ranges (rated values), resistance thermometer  | Cu 10                                                                            |
| Voltage, relative to input range, (+/-)              | ±1 K                                                                             |
| Rated value (DC)                                     | 24 V                                                                             |

## ADDITIONAL PRODUCT DATA

|                                              |                                                                                                    |
|----------------------------------------------|----------------------------------------------------------------------------------------------------|
| internal temperature compensation            | Yes                                                                                                |
| Power loss, typ.                             | 3 W                                                                                                |
| Voltage                                      | No                                                                                                 |
| Number of analog inputs                      | 8                                                                                                  |
| Thermocouple, relative to input range, (+/-) | Type T: $\pm 0.18\%$ , Type U: $\pm 0.15\%$ , Type E: $\pm 0.12\%$ , Type J: $\pm 0.12\%$ , Type L |

## OFFICIAL APPLICATIONS

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

## SYSTEM COMPATIBILITY

Match 6AG1331-7PF11-4AB0 to the installed SIPLUS 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: 6AG1331-7PF11-4AB0.pdf

AMIKON PRODUCT SUPPORT

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