

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7134-4JB01-0AB0

Standard Thermocouple Input Module



INPUTS	TC TYPES	VOLTAGE	COMPENSATION
2 TC / mV	9 types	±80 mV	External

Siemens 6ES7134-4JB01-0AB0 is a SIMATIC ET 200S Standard analog input module for two thermocouple or millivolt signals. It supports nine thermocouple characteristics, ±80 mV measurement and 15-bit resolution plus sign, with configurable integration, smoothing and diagnostic functions.

01

VERIFIED TECHNICAL INFORMATION

Analog input channels	2 for thermocouples or voltage signals
Thermocouple types	B, E, J, K, L, N, R, S and T
Voltage measuring range	±80 mV
Resolution	15 bits plus sign, including overrange
Input resistance	Minimum 1 Mohm
Input address space	4 bytes
Rated load supply	24 V DC from the power module; reverse-polarity protection

Manufacturer evidence: Analog electronic module 2AI TC ST (6ES7134-4JB01-0AB0); exact-model manual section and manufacturer data sheet.

02 TECHNICAL INFORMATION CONTINUED

Conversion time	55 ms/channel at 60 Hz or 65 ms/channel at 50 Hz; wire-break testing adds 20 ms
Digital smoothing	Time constants of 1, 4, 32 or 64 module cycles
Temperature compensation	No internal compensation; external compensating box or same-station RTD reference
Electrical isolation	From backplane and load supply; not between input channels
Common-mode limit	2 V AC peak-to-peak between inputs and MANA
I&M functions	Supported with the interface-module order numbers listed by Siemens
Shielded sensor cable	Maximum 50 m
Diagnostics	Red SF LED; readable group and channel diagnostics with parameter-dependent wire-break detection

03 SOURCE AND CONFIGURATION CHECKS

The module supports identification and maintenance functions with the documented interface modules and is described by Siemens as compatible with 4JB00. Cold-junction compensation remains external: terminal wiring, reference temperature and coordinated station parameters must be checked when installing or replacing the module.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

Siemens original documentation and product reference

AMIKON PRODUCT SUPPORT

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