

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7134-4LB02-0AB0

High Feature Voltage Input Module



INPUTS	RANGES	CYCLE	ADDRESS
2 voltage	± 5 / ± 10 / 1-5 V	0.5 ms unfiltered	4 input bytes

Siemens 6ES7134-4LB02-0AB0 is a two-channel High Feature voltage input module for SIMATIC ET 200S. It accepts ± 5 V, ± 10 V and 1-5 V signals, using sigma-delta conversion and four input bytes. The module does not supply power to voltage transmitters.

01

VERIFIED TECHNICAL INFORMATION

Analog input channels	2 voltage inputs
Input ranges	± 5 V, ± 10 V and 1 to 5 V
Resolution	15 bits plus sign for bipolar ranges; 15 bits for 1 to 5 V
Input resistance	Minimum 0.8 Mohm
Rated load supply	24 V DC from power module; reverse-polarity protection
Transmitter power supply	Not provided
Input address space	4 bytes; S5 or S7 analog representation

Manufacturer evidence: 2AI U HF analog electronic module (6ES7134-4LB02-0AB0); exact-model manual section and manufacturer data sheet.

02 TECHNICAL INFORMATION CONTINUED

Conversion time per channel	0.04 ms without suppression; 17 ms at 60 Hz or 20 ms at 50 Hz
Module cycle time	0.5 ms without suppression; 18 ms at 60 Hz or 21 ms at 50 Hz
Isochronous operation	Supported only without smoothing or interference suppression; TDPmin 0.7 ms, TWEmmin 0.5 ms
Digital smoothing	Time constants of 1, 4, 16 or 32 module cycles; not with isochronous mode
Electrical isolation	From backplane and load supply; not between channels
Permissible channel potential difference	140 V DC / 100 V AC; not a measurement range or channel-isolation rating
Shielded sensor cable	Maximum 200 m
Diagnostics and interrupts	Group, range and 1-5 V-only wire-break diagnostics; configurable upper/lower limit hardware interrupts

03 SOURCE AND CONFIGURATION CHECKS

Without interference-frequency suppression, the module cycle is 0.5 ms; enabling suppression changes the timing. Isochronous operation is supported only with smoothing and suppression disabled. Configurable diagnostics include wire-break checking specifically for the 1-5 V range, with red SF indication for reported faults.

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
Siemens 06/2013, A5E02473863-02; supplement source pp. 1-2

AMIKON PRODUCT SUPPORT

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