

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7134-4GB10-0AB0

Four-wire Analog Current Input



INPUTS	RANGES	TRANSMITTER	ADDRESS
2 current	±20/4-20 mA	4-wire	4 bytes

Siemens 6ES7134-4GB10-0AB0 is a Standard current-input module for SIMATIC ET 200S. Its two channels accept four-wire transmitters using either ±20 mA or 4 to 20 mA measurement. Integrating conversion and configurable digital smoothing provide measured values for the controller.

01

VERIFIED TECHNICAL INFORMATION

Analog inputs	2 current channels for four-wire transmitters
Measurement ranges and resolution	±20 mA: 13 bits plus sign; 4-20 mA: 13 bits, including overrange
Input resistance	50 ohm in both ranges
Input address allocation	4 bytes
Rated load supply	24 V DC from the ET 200S power module; reverse-polarity protected
Load-supply current consumption	Maximum 30 mA without transmitter load
Transmitter supply protection	Short-circuit protection 60 mA for both channels

Manufacturer evidence: SIMATIC ET 200S Distributed I/O System; exact-model manual section and manufacturer data sheet.

02 TECHNICAL INFORMATION CONTINUED

Power dissipation	Typically 0.6 W
Conversion time	55 ms/channel at 60 Hz suppression; 65 ms/channel at 50 Hz
Module cycle time	Active-channel count multiplied by conversion time
Digital smoothing	Time constants 1, 4, 32 or 64 module cycles
Common-mode limit	2 V AC peak-to-peak
Electrical isolation	Isolated from backplane bus; not between channels or from load supply
Measurement error limits	±0.4% at 25 °C; ±0.6% over temperature range, relative to input range
Signal diagnostics	Configurable group and range diagnostics; wire break only for 4-20 mA; red SF LED

03 SOURCE AND CONFIGURATION CHECKS

The module receives 24 V DC from its power module and provides a separate transmitter-supply connection. It occupies four input bytes, with readable diagnostics and a red SF indicator. Installation must account for the shared analog reference and the documented limits on external transmitter supplies.

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

[Original Siemens documentation \(third-party-hosted copy\)](#)

AMIKON PRODUCT SUPPORT

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