SIMATIC ET 200S 2AI HIGH SPEED

Product Data Sheet

6ES7134-4GB61-0AB0

High-speed current input module

ANALOG INPUT CHANNELS	CONFIGURED CURRENT SPANS	MAXIMUM REPRESENTATION	ALL-CHANNEL CYCLE TIME
2	**+/-20 mA, 0-20 mA, 4-20 mA**	**14 bits including sign; span dependent**	**1 ms maximum**

Siemens 6ES7134-4GB61-0AB0 is a two-channel high-speed analog current input for SIMATIC ET 200S. Its compact electronics provide a maximum one-millisecond module cycle and 0.1 ms channel conversion. The configurable spans include bipolar +/-20 mA, 0-20 mA and 4-20 mA.

01 TECHNICAL DATA

Analog input channels	2
Configured current spans	+/-20 mA, 0-20 mA, 4-20 mA
Maximum representation	14 bits including sign; span dependent
All-channel cycle time	1 ms maximum
Channel conversion time	0.1 ms
Current input resistance	50 ohm
Input destruction limit	60 mA maximum
Address allocation	4 bytes maximum
Load supply	24 V DC from power module
Load supply demand	35 mA maximum without load

Siemens 6ES7134-4GB61-0AB0 manufacturer specification, applicable pages 1, 2, 3.

02 ADDITIONAL PRODUCT DATA

Backplane demand	10 mA maximum at 3.3 V
Power loss	0.8 W typical
Shielded signal cable	200 m maximum
Digital smoothing	None, low, medium or high
Basic current error	+/-0.2% at 25 C

03 PRODUCT FUNCTION

The input occupies up to four address bytes and offers up to 14-bit representation including sign, depending on the selected span. Four digital smoothing levels are available. Wire-break, group-error and overflow diagnostics can be configured; the channels are isolated from the backplane but are not isolated from one another.

04 SYSTEM COMPATIBILITY

Route shielded analog wiring within the 200 m limit and account for the 50 ohm input burden. The shared channel reference must be considered because the two inputs are not isolated from each other.

05 REFERENCE

Siemens 6ES7134-4GB61-0AB0 manufacturer specification, applicable pages 1, 2, 3.

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