

SIMATIC ET 200S

Product Data Sheet

6ES7134-4GB11-0AB0

Two-channel current input module

ANALOG INPUTS	CURRENT MEASURING RANGES	INPUT RESISTANCE	RATED LOAD VOLTAGE
2	-20 to +20 mA; 4 to 20 mA	50 ohm	24 V DC from power module

Siemens 6ES7134-4GB11-0AB0 is a two-channel Standard current-input electronics module for the SIMATIC ET 200S distributed I/O family. It acquires analog process signals from four-wire transmitters in configured industrial measurement circuits, with selectable -20 to +20 mA or 4 to 20 mA ranges.

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VERIFIED TECHNICAL DATA

Analog inputs	2
Current measuring ranges	-20 to +20 mA; 4 to 20 mA
Input resistance	50 ohm
Rated load voltage	24 V DC from power module
Maximum load-supply current	30 mA, without load
Maximum backplane current	10 mA at 3.3 V DC
Typical power loss	0.6 W
Input address area	4 byte
Maximum permissible input current	40 mA destruction limit
Shielded cable length	200 m maximum

ADDITIONAL PRODUCT DATA

Resolution including sign	14 bit for +/-20 mA; 13 bit for 4-20 mA
Integration time	16.7 / 20 ms
Conversion time per channel	55 / 65 ms
Digital smoothing factors	1, 4, 32 or 64 times cycle time
Isolation test voltage	500 V DC

DOCUMENTED USE SETTINGS

Liquid Process Measurement in Chemical Manufacturing Production Lines: Chemical blending vessels with external current transmitting process instruments.

Liquid Ingredient Measurement Across Food and Beverage Processing: Beverage preparation lines with current transmitting level measurement instruments.

Analog Process Measurements in Automated Industrial Production Facilities: Machine utility circuits with current transmitting pressure measurement instruments.

SYSTEM COMPATIBILITY

Configure the two current channels of 6ES7134-4GB11-0AB0 in an ET 200S station with the documented terminal and power modules. Match each four-wire transmitter to its selected bipolar or 4 to 20 mA range and reserve four input bytes.

OFFICIAL SOURCE

Siemens product data sheet, 17 August 2019, pages 1-3

AMIKON PRODUCT SUPPORT

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