SIMATIC ET 200S

Product Data Sheet

6ES7134-4GB10-0AB0

Two-Channel Current Input Module

CURRENT INPUT CHANNELS	LOAD SUPPLY	LOAD-SUPPLY CURRENT MAXIMUM	BACKPLANE CURRENT MAXIMUM
2	**24 V DC from power module**	**30 mA**	**10 mA at 3.3 V DC**

Siemens 6ES7134-4GB10-0AB0 is an ET 200S Standard analog input module for two current signals from four-wire transmitters. It accepts -20 to +20 mA or 4 to 20 mA and assigns four bytes to the process image. The integrating conversion provides range-dependent resolution, with up to 14 bits including sign.

01 TECHNICAL DATA

Current input channels	2
Load supply	24 V DC from power module
Load-supply current maximum	30 mA
Backplane current maximum	10 mA at 3.3 V DC
Typical dissipation	0.6 W
Input process image	4 bytes
Bipolar current range	-20 to +20 mA
Unipolar current range	4 to 20 mA
Input resistance	50 ohms
Input-current destruction limit	40 mA maximum

02 ADDITIONAL PRODUCT DATA

Shielded input cable maximum	200 m
Resolution including sign	14 bits for bipolar range; 13 bits for 4-20 mA
Integration-time selections	16.7 ms or 20 ms
Interference-frequency suppression	50 Hz or 60 Hz
Linearity error	+/-0.01% of input range

03 PRODUCT FUNCTION

Each current input presents a 50 ohm burden. Selectable 16.7 ms and 20 ms integration times support the corresponding 60 Hz and 50 Hz interference environments. The shielded signal-cable limit is 200 m, and typical module dissipation is 0.6 W. The 24 V load supply and 3.3 V backplane have separately specified current demands.

04 SYSTEM COMPATIBILITY

Account for the 50 ohm input burden when checking the external transmitter circuit. Maintain the intended transmitter supply and signal-return arrangement instead of treating this four-wire version as a two-wire loop-powered input. The permitted input-current destruction limit is 40 mA and is not a normal measuring range.

05 REFERENCE

Siemens 6ES7134-4GB10-0AB0 official product data; applicable specification pages.

AMIKON PRODUCT SUPPORT

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