SIMATIC ET 200S 2AI I 2/4WIRE HF

Product Data Sheet

6ES7134-4MB02-0AB0

High feature current input

CURRENT INPUT CHANNELS	SELECTABLE CURRENT SPANS	BIPOLAR REPRESENTATION	TRANSDUCER ARRANGEMENTS
2	**+/-20 mA; 4-20 mA**	**15 bits plus sign**	**2-wire or 4-wire**

Siemens 6ES7134-4MB02-0AB0 is the two-channel 2AI I 2/4WIRE HF current input module for SIMATIC ET 200S. It accepts bipolar +/-20 mA and 4-20 mA signals from two-wire or four-wire transmitters. The electronics are isolated from the load supply and permit 100 V AC common-mode voltage between channels.

01 TECHNICAL DATA

Current input channels	2
Selectable current spans	+/-20 mA; 4-20 mA
Bipolar representation	15 bits plus sign
Transducer arrangements	2-wire or 4-wire
Common-mode allowance	100 V AC between channels
Minimum isochronous DP cycle	0.7 ms
Minimum conversion interval	0.5 ms
Unloaded L+ demand	48 mA maximum
Typical module dissipation	1.2 W
Input resistance	Approximately 44 ohm

Siemens 2 AI I 2/4WIRE HF Manual A5E01076111-01, April 2007, exact module properties, parameters and connections.

02 ADDITIONAL PRODUCT DATA

Input destruction threshold	Approximately 50 mA
Two-wire transmitter load	750 ohm maximum
Digital smoothing	4 levels, 1/4/16/32 cycle constants
Conversion principle	Sigma-delta
Operational current error	+/-0.1% with interference suppression; +/-0.2% without

03 PRODUCT FUNCTION

Sigma-delta conversion provides 15 bits plus sign for the bipolar range. Four digital smoothing levels select time constants of one, four, sixteen or thirty-two module cycles. Isochronous operation supports a minimum 0.7 ms DP cycle, while configurable diagnostics identify wire breaks and range violations.

04 SYSTEM COMPATIBILITY

Route shielded current loops and preserve their supply references. Select smoothing and interference suppression with the actual conversion and response requirements.

05 REFERENCE

Siemens 2 AI I 2/4WIRE HF Manual A5E01076111-01, April 2007, exact module properties, parameters and connections.

AMIKON PRODUCT SUPPORT

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