SIMATIC ET 200S

Product Data Sheet

6ES7134-4MB00-0AB0

High Feature Current Input Module

CURRENT INPUT CHANNELS	INPUT RANGES	RESOLUTION	TRANSDUCER WIRING
2	**±20 mA or 4–20 mA**	**15 bits + sign at ±20 mA, 15 bits at 4–20 mA**	**2-wire or 4-wire**

The Siemens 6ES7134-4MB00-0AB0 is a two-channel High Feature current input module for the SIMATIC ET 200S distributed I/O platform. It digitizes current from two-wire or four-wire measuring transducers and supports bipolar ±20 mA and unipolar 4–20 mA ranges.

01 TECHNICAL DATA

Current input channels	2
Input ranges	±20 mA or 4–20 mA
Resolution	15 bits + sign at ±20 mA, 15 bits at 4–20 mA
Transducer wiring	2-wire or 4-wire
Load supply	24 V DC
Maximum supply current	53 mA
Typical power dissipation	0.85 W
Maximum shielded cable length	200 m
Input resistance	50 Ω
Maximum two-wire transducer load	750 Ω

Siemens ET 200S Manual A5E00514527-01, section 4.13, pp. 4-65 to 4-68

02 ADDITIONAL PRODUCT DATA

Maximum input current	40 mA per channel, destruction limit
Insulation test voltage	500 V DC
Maximum channel potential difference	140 V DC or 100 V AC with isolated transducer supplies
Basic error at 25 °C	±0.05% of input range
Operational error limit	±0.1% of input range

03 PRODUCT FUNCTION

The module measures through 50-ohm inputs and runs from a 24 V DC load supply. It resolves the bipolar range at 15 bits plus sign and the unipolar range at 15 bits. Selectable interference rejection and four levels of digital smoothing let the input response be matched to the measurement.

04 SYSTEM COMPATIBILITY

Configure each input for the transmitter wiring and current range. Refer to the separate two-wire and four-wire wiring examples and verify the 24 V DC supply at the ET 200S potential group.

05 REFERENCE

Siemens ET 200S Manual A5E00514527-01, section 4.13, pp. 4-65 to 4-68

AMIKON PRODUCT SUPPORT

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