AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7288-5AE01-0AA0

SB AE01 Analog Input Board

INPUT	VOLTAGE	CURRENT	ISOLATION
1 differential channel	**3 selectable ranges**	**0 to 20 mA**	**None to logic**

Siemens 6ES7288-5AE01-0AA0 adds one differential analog input to the signal-board position of a supported S7-200 SMART CPU. Select voltage measurement at ±10 V, ±5 V or ±2.5 V, or current measurement at 0 to 20 mA.

01 VERIFIED TECHNICAL INFORMATION

Analog input count	1 differential channel
Selectable input ranges	±10 V, ±5 V, ±2.5 V or 0 to 20 mA
Conversion resolution	Voltage: 11 bits plus sign; current: 11 bits
Accuracy reference	±0.3% FS at 25 °C in voltage and current modes
Input smoothing	None, weak, medium or strong
Noise rejection selections	400, 60, 50 or 10 Hz
Common-mode rejection	40 dB from DC to 60 Hz

Manufacturer evidence: S7-200 SMART System Manual; exact-model manual section.

02 TECHNICAL INFORMATION CONTINUED

Signal plus common-mode limit	Greater than -35 V and less than +35 V
Differential input impedance	220 kilohms voltage mode; 250 ohms current mode
Common-mode input impedance	55 kilohms (voltage); 55 ohms (current)
Field-to-logic isolation	None
Sensor cable limit	100 m; twisted and shielded
Overrange diagnostics	Overflow and underflow supported
Board power dissipation	0.4 W
Logic current consumption	50 mA; 5 V and 3.3 V combined

03 SOURCE AND CONFIGURATION CHECKS

The board combines configurable smoothing with selectable noise rejection for a single measurement channel. Its input has no field-to-logic isolation, so signal and common-mode limits must be checked together. The manufacturer provides separate transducer connection diagrams and specifies gold connectors for the board.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

Siemens original documentation and product reference

AMIKON PRODUCT SUPPORT

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