AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7336-1HE00-0AB0

Fail-Safe Analog Input Module

CURRENT INPUTS	RESOLUTION	SAFETY RANGE	CONNECTOR
6	**13 bits plus sign**	**4-20 mA**	**40 pins**

Siemens 6ES7336-1HE00-0AB0 is an SM 336 analog input module supporting standard and safety operation. It provides six current inputs, while standard-mode voltage measurement is available on four channels. Safety operation uses the documented 4 to 20 mA measurement arrangements.

01 VERIFIED TECHNICAL INFORMATION

Input arrangement	6 current inputs; up to 4 voltage inputs in standard mode
Standard-mode ranges	0-20 mA, 4-20 mA, 0-10 V
Safety-mode range	4-20 mA
Resolution	13 bits plus sign, including overrange
Integration time	20 ms at 50 Hz; 16.66 ms at 60 Hz
Rated electronics supply	24 V DC, reverse-polarity protected
Backplane current	90 mA maximum

Manufacturer evidence: Fail-safe signal modules; exact-model manual section.

02 TECHNICAL INFORMATION CONTINUED

L+ current	160 mA typical
Typical power loss	4.25 W
Input resistance	107 ohm current; 59 kohm voltage
Operational error	±0.48% of input range across temperature range
Basic error at 25°C	±0.40% of input range
Shielded cable length	200 m documented maximum
Front connector	40 pins
Channel isolation	No channel-to-channel isolation; electronics-supply isolation only with external sensor supply

03 SOURCE AND CONFIGURATION CHECKS

The module provides sensor-supply monitoring, group-fault indication and configurable diagnostic interrupts. Measurement resolution is thirteen bits plus sign. Safety performance depends on sensor suitability, wiring and evaluation configuration; channel isolation and supply arrangements must follow this exact module's documented limitations.

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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