AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7336-4GE00-0AB0

Fail-Safe HART Input Module



ANALOG INPUTS	RESOLUTION	HART RANGE	CONNECTOR
6 current inputs	**15 bits plus sign**	**4-20 mA**	**20 pins**

Siemens 6ES7336-4GE00-0AB0 is an SM 336 fail-safe analog input module with six current measurement channels. It supports internally or externally powered two-wire and four-wire transmitters, with HART communication available for the documented four to twenty milliampere measurement range.

01 VERIFIED TECHNICAL INFORMATION

Input arrangement	6 single-channel inputs or 3 two-channel measured signals
Measurement ranges	0-20 mA without HART; 4-20 mA with or without HART
Resolution	15 bits plus sign
Rated load supply	24 V DC, reverse-polarity protected
Backplane current	90 mA maximum
L+ current without load	150 mA typical
Typical power loss	4.5 W

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

02 TECHNICAL INFORMATION CONTINUED

Integration time	20 ms at 50 Hz; 16.67 ms at 60 Hz
Operational error	±0.2% of 20 mA full scale, equivalent to ±40 µA
Basic error at 25°C	±0.1% of 20 mA full scale; HART superimposition adds ±0.12% of full scale
Input resistance	150 ohm typical; 175 ohm maximum
Sensor supply outputs	6 outputs, 300 mA rated per output; 1.8 A total
Electrical isolation	Between channel groups 0/1/2 and 3/4/5; not within each group
Shielded twisted-pair cable	1000 m maximum
Front connector	20 pins

03 SOURCE AND CONFIGURATION CHECKS

The module combines configurable diagnostics, monitored sensor supplies and grouped electrical isolation. Safety operation and HART parameter access remain separate functions: HART communication is not safety-oriented, and the HART Gate settings govern access alongside the required sensor qualification and safety configuration.

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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