Siemens SIMATIC ET 200SP F-AI 4xI HF 6ES7136-6AA00-0CA1

Fail-safe four-channel 0(4) to 20 mA analog input module for two-wire and four-wire transducers.

Technical Data

Complete model	6ES7136-6AA00-0CA1
Product family	SIMATIC ET 200SP
Product type	F-AI 4xI 0(4) to 20 mA 2-/4-wire HF
Analog inputs	4 current inputs
Ranges	0 to 20 mA; 4 to 20 mA
Input resistance	125 ohms
Maximum input current	35 mA
Conversion	Sigma-delta; 16 bits including sign
Accuracy	0.1 percent basic error; 2 percent operational error
Supply	24 V DC; 19.2 to 28.8 V DC permissible
Current consumption	0.38 A rated; 0.4 A maximum
Safety level	PL e; Category 4; SIL 3
BaseUnit	BU type A0 or A1; color code CC00
Dimensions	15 x 73 x 58 mm, width x height x depth
Weight	48 g
Temperature	0 to +60 degrees C horizontal; 0 to +50 degrees C vertical

Official Source Trace

Siemens exact product data sheet
Exact 6ES7136-6AA00-0CA1 technical data generated by Siemens.
https://support.industry.siemens.com/teddatasheet/?caller=SIOS&format:=pdf&language:=en&mlfbs:=6ES7136-6AA00-0CA1

F-AI 4xI HF Manual
Document A5E41448857-AB, 08/2018. Relevant pages 13-18 for product and wiring; pages 64-68 for exact technical specifications.
https://cache.industry.siemens.com/dl/files/121/109758121/att_953511/v1/et200sp_f_ai_4xi_04_20mA_2_4_wire_hf_manual_en-US_en-US.pdf

Selection and Verification

Model verification	Match the full 6ES7136-6AA00-0CA1 suffix and F-AI 4xI HF designation.
Signal check	Confirm four 0 to 20 mA or 4 to 20 mA channels and the intended two-wire or four-wire transducers.
Safety check	Validate BU A0/A1, CC00, TIA Portal support and the complete PL e or SIL 3 architecture.

All specifications in this extract are limited to the cited Siemens records for the exact model or to the explicit Siemens CN cross-reference stated above. No third-party or similar-suffix data is used.