

SIMATIC ET 200PA SMART I/O

Product Data Sheet

6ES7650-8AK70-0AA0

16-channel analog input module

FUNCTION	FAMILY	ORIGIN	WEIGHT
16-channel analog input module	SIMATIC ET 200PA SMART I/O	Germany	280 g

Siemens Simatic S7 6ES7650-8AK70-0AA0 is a 16-channel analog input module for the SIMATIC ET 200PA SMART I/O. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Rated Supply	24 V
From Load Voltage L+ (Without Load), Max.	70 mA
From Backplane Bus 5 V Dc, Max.	100 mA
No-Load Voltage (Dc)	22 V
Power Loss	3.3 W
Analog Input Count	16
Permissible Input Current For Current Inpu	70 mA; 40 mA continuous
Shielded, Max.	800 m
Measurement Principle	Sigma Delta
Resolution With Overrange (Bit Including S	24 bit

ADDITIONAL PRODUCT DATA

Integration Time (Ms)	16.6 / 20 / 100 ms
Basic Conversion Time, Including Integrati	19.8 / 23.8 / 119 ms
Interference Voltage Suppression For Inter	10 / 50 / 60 Hz
— Burden of 2-Wire Transmitter, Max.	750 Ω
Linearity Error (Relative To Input Range),	0.01 %

OFFICIAL APPLICATIONS

- Stock and Paper Machines for 16-Channel Analog Input: Mill Production Systems
- Sorting and Conveyor Centers for 16-Channel Analog Input: Material Handling Systems
- Machine Tools and Assembly Lines for 16-Channel Analog Input: Machine Control Systems

SYSTEM COMPATIBILITY

Match 6ES7650-8AK70-0AA0 to the installed SIMATIC ET 200PA SMART I/O, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Siemens official product documentation](#)

Local manufacturer PDF: 6ES7650-8AK70-0AA0.pdf

AMIKON PRODUCT SUPPORT

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