

SIMATIC ET 200PA SMART

Product Data Sheet

6ES7650-8AK60-0AA0

16-channel analog input module

FUNCTION	FAMILY	ORIGIN	WEIGHT
16-channel analog input module	SIMATIC ET 200PA SMART	Germany	0.40 kg

Siemens Simatic S7 6ES7650-8AK60-0AA0 is a 16-channel analog input module for the SIMATIC ET 200PA SMART. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Resolution of 15 bits + sign (regardless of integration time)	Setting of the transducer for each module (via a jumper at terminals 10 and 11)
Ambient temperature	permissible, 18
Interface module IM 650	9
support.automation.siemens.com/WW/view/en/7215812	ET 200M Distributed I/O Device HART Analog Modules (http://
figure below using channel 0 as an example.	The parameter assignment is made via HW Config as "2WMT current"
an ET 200PA SMART in the list of released modules PCS 7 (if you are using modules from the S7-300 series of modules, you can find information for them	
Standard module: 6ES7 650-8AK60-0AA0	Module with conformal coating: 6ES7 650-8AK60-1AA0
Electrical isolation	Channels electrically isolated for 4-wire transducer to load voltage L+
ET 200M, Signal Modules for Process Automation (http://	support.automation.siemens.com/WW/view/en/7215812)
ET 200M Distributed I/O Device HART Analog Modules (http://	support.automation.siemens.com/WW/view/en/22063748)

ADDITIONAL PRODUCT DATA

Configuration in Run (CiR) supported	Wiring and block diagrams of the AI 8 x 16 Bit with 2-wire transducer operation
support.automation.siemens.com/WW/view/en/22063748)	Operating Instructions, 05/2020, A5E34192013-AC
Analog input module AI 16 x 16 Bit, 192	Analog input module AI 8 x 16 Bit, 165
Group error display (SF LED)	Configuration in Run (CiR) supported
Analog output module	Short-circuit to ground, 225, 235

OFFICIAL APPLICATIONS

- Reactor and separation instrumentation: Process equipment
- Boiler and turbine auxiliary instrumentation: Plant equipment
- Pumping and filtration instrumentation: Treatment equipment

SYSTEM COMPATIBILITY

Match 6ES7650-8AK60-0AA0 to the installed SIMATIC ET 200PA SMART, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Siemens official product documentation](#)

Local official manufacturer PDF: 6ES7650-8AK60-0AA0.pdf

AMIKON PRODUCT SUPPORT

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