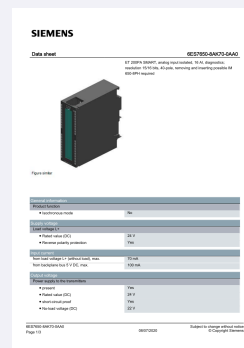


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

6ES7650-8AK70-0AA0

16-channel analog input module



PRODUCT	6ES7650-8AK70-0AA0
FAMILY	SIMATIC ET 200PA SMART I/O
FUNCTION	16-channel analog input module
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from Siemens Simatic S7 documentation. This guide supplements the complete manufacturer manual and site procedure.

01 CONFIRM THE ORDERED CONFIGURATION

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

02 PREPARATION AND CONNECTION

- Confirm the complete 6ES7650-8AK70-0AA0 article number and installed revision.
- Isolate applicable electrical and process energy using the approved site procedure.
- Record every connector, cable, terminal, shield and protective-earth connection before removal.
- Install without forcing keyed parts, then secure terminals, latches, fasteners and cable supports.

SIEMENS

Data sheet

6ES7650-8AK70-0AA0

ET 200PA SMART, analog input isolated, 16 AI, diagnostics;
resolution 15/16 bits, 40-pole, removing and inserting possible IM
650-8PH required

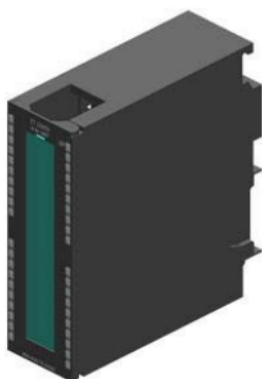


Figure similar

General information	
Product function	
• Isochronous mode	No
Supply voltage	
Load voltage L+	
• Rated value (DC)	24 V
• Reverse polarity protection	Yes
Input current	
from load voltage L+ (without load), max.	70 mA
from backplane bus 5 V DC, max.	100 mA
Output voltage	
Power supply to the transmitters	
• present	Yes
• Rated value (DC)	24 V
• short-circuit proof	Yes
• No-load voltage (DC)	22 V

04 COMMISSIONING CHECKS

- 01 Confirm product identity and mechanical seating.
- 02 Verify the documented supply before energising.
- 03 Inspect polarity, shielding and protective-earth connections.
- 04 Restore power in the approved sequence and observe status indications.
- 05 Test each connected input, output or communication path.
- 06 Record diagnostics and functional-test results before return to service.

05 CONTROLLED DOCUMENT

Official source	Siemens official product documentation
Product record	6ES7650-8AK70-0AA0
Manufacturer	Siemens Simatic S7
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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