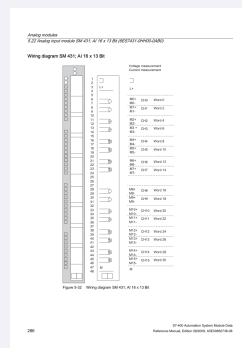


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

6ES7431-0HH00-0AB0

SM 431 16-channel analog input module



PRODUCT	6ES7431-0HH00-0AB0
FAMILY	SIMATIC S7-400
FUNCTION	SM 431 16-channel analog input module
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from S7-400 documentation. This guide supplements the complete manufacturer manual and site procedure.

01

CONFIRM THE ORDERED CONFIGURATION

Analog Inputs	16
Input Resolution	13 bits
Measurement Types	Voltage and current
Nominal Supply	24 V DC
Transducer Supply	50 mA maximum
Input Isolation	Non-isolated channels

02

PREPARATION AND CONNECTION

- Confirm the complete 6ES7431-0HH00-0AB0 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.

OFFICIAL INSTALLATION REFERENCE

Analog modules

5.22 Analog input module SM 431; AI 16 x 13 Bit (6ES7431-0HH00-0AB0)

Wiring diagram SM 431; AI 16 x 13 Bit

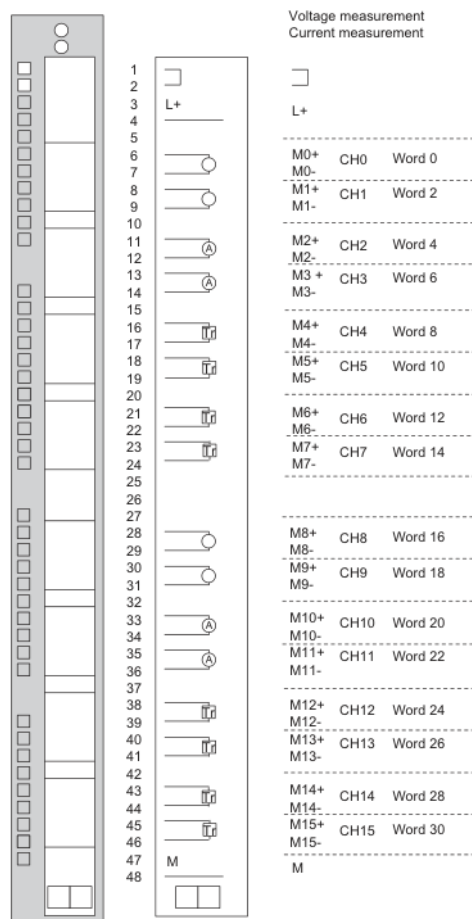


Figure 5-32 Wiring diagram SM 431; AI 16 x 13 Bit

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 manufacturer documentation
Product record	6ES7431-0HH00-0AB0
Manufacturer	S7-400
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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