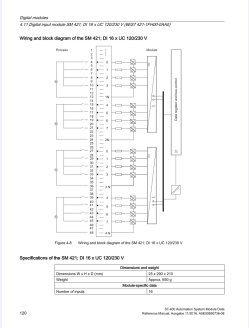
FIELD INSTALLATION QUICK GUIDE

Installation Instructions

6ES7421-1FH00-0AA0

SM 421 16-Channel Digital Input Module



PRODUCT	6ES7421-1FH00-0AA0
FAMILY	SIMATIC S7-400
FUNCTION	SM 421 16-Channel Digital Input Module
STATUS	Verify exact installed equipment

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

01 CONFIRM THE ORDERED CONFIGURATION

Isolated digital inputs	16
Nominal input voltage	120/230 V UC
Logic 1 AC input	79–264 V AC
Logic 1 DC input	80–264 V DC
Logic 0 voltage	0–48 V UC
Input frequency	47–63 Hz

02 PREPARATION AND CONNECTION

- Confirm the complete 6ES7421-1FH00-0AA0 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.

03

OFFICIAL INSTALLATION REFERENCE

Wiring and block diagram of the SM 421; DI 16 x UC 120/230 V

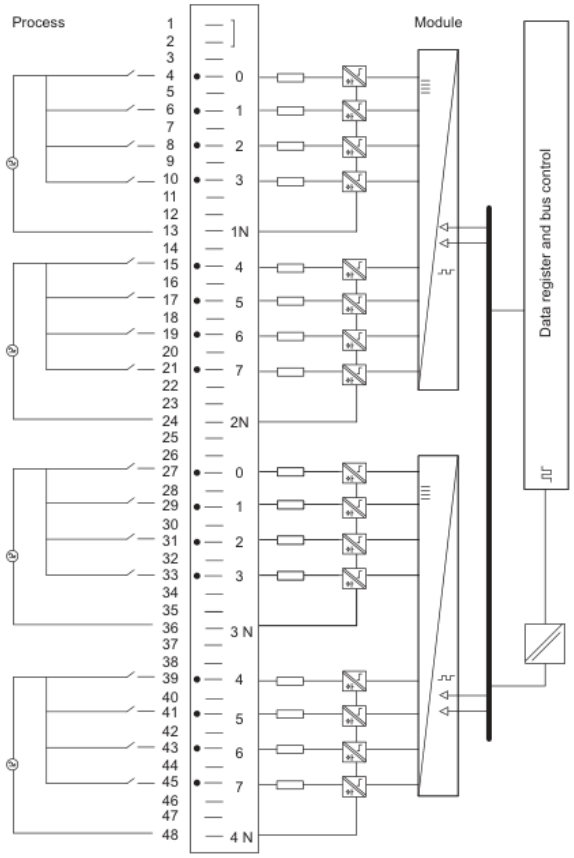


Figure 4-8 Wiring and block diagram of the SM 421; DI 16 x UC 120/230 V

Specifications of the SM 421; DI 16 x UC 120/230 V

Dimensions and weight	
Dimensions W x H x D (mm)	25 x 290 x 210
Weight	Approx. 650 g
Module-specific data	
Number of inputs	16

Official manufacturer page reproduced at its original aspect ratio.

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 S7-400 Module Data, section 4.11
Product record	6ES7421-1FH00-0AA0
Manufacturer	Siemens
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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