

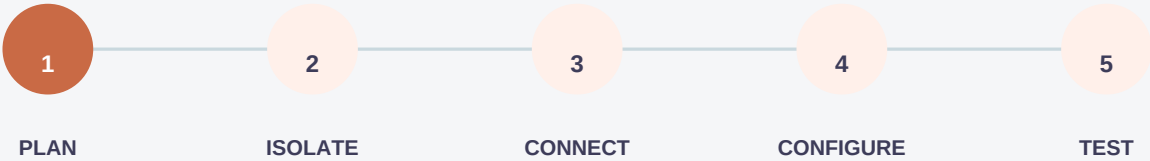
6ES7322-1HH01-0AA0

SIMATIC S7-300 SM 322 16-Relay Digital Output Module

CONTROLLED ENGINEERING COPY

Siemens 6ES7322-1HH01-0AA0 is a SIMATIC S7-300 SM 322 digital output module with 16 isolated relay-contact outputs. It uses a 20-pole front connector and switches documented AC or DC field loads.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	6ES7322-1HH01-0AA0
Manufacturer	Siemens
System family	SIMATIC S7-300
Record scope	Installation, application and verification



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01 PRE-INSTALLATION PLAN

- 1

Confirm the complete 6ES7322-1HH01-0AA0 marking and the documented SIMATIC S7-300 SM 322 16-Relay Digital Output Module execution.
- 2

Place the machine, controller and affected process in the approved maintenance state.
- 3

Isolate all hazardous energy and prove the safe state before disconnecting hardware.
- 4

Record the installed position, every terminal or port, and the active engineering configuration.
- 5

Verify the exact electrical, interface and environmental limits in the manufacturer evidence.

MATCHED HARDWARE

- Siemens 6ES7322-1HH01-0AA0 with complete article identity
- Matched SIMATIC S7-300 host or connected equipment
- Documented power, signal and communication interfaces
- Approved configuration, diagnostics and acceptance record

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	6ES7322-1HH01-0AA0 recorded
Physical interface	Installed terminals, ports and signal paths matched to the as-found record
Configuration	Approved hardware and engineering configuration restored
Functional proof	Controlled test confirms switching sixteen isolated relay-contact field loads from a documented S7-300 station

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Product designation	SM 322 digital output module
Host system	SIMATIC S7-300
Digital outputs	16 relay contacts
Isolation groups	2 groups of 8 outputs
Front connector	1 x 20-pole
Load voltage DC	24 to 120 V DC
Load voltage AC	24 to 230 V AC
Nominal output current	2 A
Minimum load current	10 mA
Relay-coil supply	24 V DC
Switching frequency, resistive load	1 Hz maximum
Switching frequency, inductive load	0.5 Hz maximum
Switching frequency, lamp load	1 Hz maximum

RELATED PRODUCT PAGES

1 Siemens 6SL3224-0BE31-1UA0

2 Siemens 6SE7033-5GJ84-1JC0

3 Siemens 6SE6440-2UD31-1CA1

4 Siemens 39EAMCBN-A5E00282025-05

5 Siemens 39VIMCCN-A5E00282175-07

6 Siemens 6SL3210-5FB10-4UF1

7 Siemens C98043-A7105-L4-9

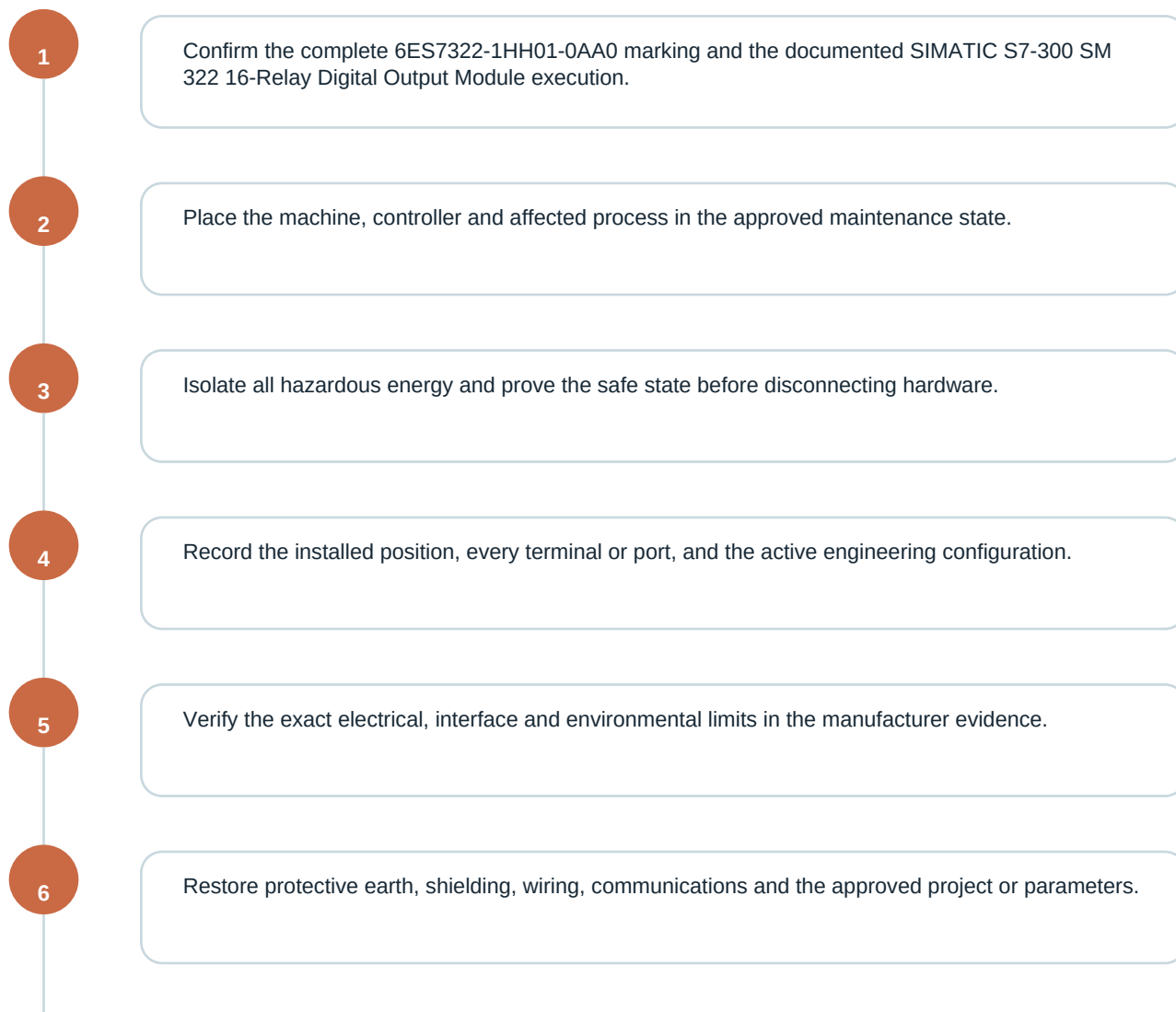
8 Siemens 6SE7090-0XX84-3DB1

9 Siemens 6SL3352-1AE37-5BA1

FIELD NOTE

Confirm 6ES7322-1HH01-0AA0, its exact SIMATIC S7-300 host, power source, installed position, interfaces, configuration, diagnostics and controlled acceptance evidence before release.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	6ES7322-1HH01-0AA0
Physical interface	Installed terminals, ports and signal paths matched to the as-found record
Configuration	Approved hardware and engineering configuration restored
Functional proof	Controlled test confirms switching sixteen isolated relay-contact field loads from a documented S7-300 station

04 RETURN-TO-SERVICE RECORD

- ☐ Verify the exact electrical, interface and environmental limits in the manufacturer evidence.
- ☐ Restore protective earth, shielding, wiring, communications and the approved project or parameters.
- ☐ Energize under control and review all device, rack, network and process diagnostics.
- ☐ Complete a controlled functional test of switching sixteen isolated relay-contact field loads from a documented S7-300 station before release.

VERIFICATION RECORD

PRODUCT IDENTITY	6ES7322-1HH01-0AA0
INSTALLED POSITION	Documented SIMATIC S7-300 position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐ Verify the exact electrical, interface and environmental limits in the manufacturer evidence.
- ☐ Restore protective earth, shielding, wiring, communications and the approved project or parameters.
- ☐ Energize under control and review all device, rack, network and process diagnostics.
- ☐ Complete a controlled functional test of switching sixteen isolated relay-contact field loads from a documented S7-300 station before release.

SOURCE IDENTIFIERS

Siemens Industry Mall exact-article record and SIMATIC S7-300 Module Data manual for 6ES7322-1HH01-0AA0 | Official manufacturer evidence verified 30 September 2026