

APTER POWER PRODUCT MANUAL

6ES7322-5HF00-0AB0

SIMATIC S7-300 SM 322 Relay Output Module

The Siemens 6ES7322-5HF00-0AB0 is a spare-part SIMATIC S7-300 SM 322 isolated digital output module with eight relay outputs, a 40-pin front connection, and RC-filter overvoltage protection.

It receives eight output states from the S7-300 backplane and switches electrically isolated relay contacts for approved 24 V DC or 120 to 230 V AC loads up to the documented ratings. It works with an S7-300 rack, CPU, 40-pin front connector, external load protection, and field wiring in machine control, utility panels, and plant automation.

Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Eight isolated relay channels for verified S7-300 load control.

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6ES7322-5HF00-0AB0

1. Product Overview and Identity

The Siemens 6ES7322-5HF00-0AB0 is a spare-part SIMATIC S7-300 SM 322 isolated digital output module with eight relay outputs, a 40-pin front connection, and RC-filter overvoltage protection.

It receives eight output states from the S7-300 backplane and switches electrically isolated relay contacts for approved 24 V DC or 120 to 230 V AC loads up to the documented ratings. It works with an S7-300 rack, CPU, 40-pin front connector, external load protection, and field wiring in machine control, utility panels, and plant automation.

Model Configuration

Field	Verified information
Complete model	6ES7322-5HF00-0AB0
Manufacturer	Siemens
Product description	SIMATIC S7-300 SM 322 Relay Output Module

Key Features

- Exact Siemens MLFB 6ES7322-5HF00-0AB0
- SIMATIC S7-300 SM 322 Relay Output Module
- 8 relay outputs
- 24 V DC or 120 to 230 V AC
- Model-specific lifecycle, weight, dimensions, and installation guidance

2. Technical Specifications

Only manufacturer-confirmed information is stated. Values absent from the named Siemens source are marked for nameplate or document verification.

Parameter	Verified value
Product type	SIMATIC S7-300 SM 322 isolated relay output module
Digital outputs	8 relay outputs
Load voltage	24 V DC or 120 to 230 V AC
Rated output current	5 A for signal state 1
Minimum load current	10 mA
Typical power loss	3.5 W
Short-circuit protection	No; external protection is required
Required front connector	40-pin
Device dimensions	40 x 125 x 120 mm (W x H x D)
Approximate device weight	0.320 kg
Country of origin	Not stated in the reviewed Siemens public data; verify the physical nameplate
Lifecycle	Siemens official data sheet identifies the article as a spare part

Verification Note

Use the complete 6ES7322-5HF00-0AB0 identifier. The Siemens official data sheet labels 6ES7322-5HF00-0AB0 as a spare part; the reviewed source does not state a public cancellation date. Values not published in the cited Siemens source are intentionally not inferred.

3. Functions, Applications and Components

Core Functions

- It receives eight output states from the S7-300 backplane and switches electrically isolated relay contacts for approved 24 V DC or 120 to 230 V AC loads up to the documented ratings. It works with an S7-300 rack, CPU, 40-pin front connector, external load protection, and field wiring in machine control, utility panels, and plant automation.
- Maintains the documented SIMATIC S7-300 digital output system role for this complete Siemens article number.
- Provides a verified reference for configuration, commissioning, diagnostics, and lifecycle planning.

Application Areas

Application	System role
Relay-isolated machine outputs	Switches contactors, valves, indicators, and interposing circuits
Mixed-voltage control panels	Separates S7-300 logic from approved DC or AC load circuits
Plant utility automation	Commands pumps, fans, dampers, and alarm devices through relay contacts
Legacy S7-300 support	Maintains the documented eight-channel output function in an installed rack

Compatible Components

- SIMATIC S7-300 rack and CPU configuration containing the exact SM 322 article
- Siemens 40-pin front connector and approved field wiring
- External branch protection sized for the connected DC or AC loads
- Loads whose current, voltage, switching frequency, and category meet Siemens limits

Lifecycle Status

The Siemens official data sheet labels 6ES7322-5HF00-0AB0 as a spare part; the reviewed source does not state a public cancellation date.

4. Installation Precautions

- Load protection: Provide external short-circuit and branch protection for every connected circuit
- Contact rating: Verify voltage, current, load type, and switching frequency against Siemens limits
- Connector: Use the required 40-pin front connector and confirm the terminal assignment
- Isolation: De-energize all DC and AC load groups before removing the connector or module
- Commissioning: Test each relay output, interlock, fuse, and controlled device independently

STOP - Verify before installation

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Use the physical nameplate and current Siemens documents as the controlling records.

5. Official Source and Use Notice

Official source

Siemens official technical data sheet for 6ES7322-5HF00-0AB0: <https://support.industry.siemens.com/teddatasheet/?caller=SIOS&format=pdf&language=en&mlfbs=6ES7322-5HF00-0AB0>

Apter Power product page

<https://www.apterpower.com/Siemens/6es7322-5hf00-0ab0>

Use Notice

This is an original Apter Power product-specific reference prepared from the Siemens source named above. It is not a Siemens publication and does not replace the original data sheet, nameplate, certificate, installation drawing, safety instructions, or machine-builder documentation.

ASK FOR QUOTE

For availability and quotation details, visit www.apterpower.com or contact sales13@apterpower.com.