

APTER POWER PRODUCT MANUAL

6ES7323-1BL00-0AA0

Siemens SIMATIC S7-300 SM 323 Digital I/O Module

6ES7323-1BL00-0AA0 is a Siemens SIMATIC S7-300 SM 323 isolated digital input/output module with 16 digital inputs and 16 digital outputs. It receives 24 V DC field-state signals and switches 24 V DC loads up to the published channel and group limits for PLC-based machine and process control.

The module installs in an S7-300 or compatible ET 200M configuration with one 40-pole front connector and exchanges input/output data through the backplane bus for sensors, relays, valves, contactors, and status devices.

Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Combine 16 Inputs and 16 Outputs. Keep S7-300 Signals Organized.

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6ES7323-1BL00-0AA0

1. Product Overview and Identity

6ES7323-1BL00-0AA0 is a Siemens SIMATIC S7-300 SM 323 isolated digital input/output module with 16 digital inputs and 16 digital outputs. It receives 24 V DC field-state signals and switches 24 V DC loads up to the published channel and group limits for PLC-based machine and process control.

The module installs in an S7-300 or compatible ET 200M configuration with one 40-pole front connector and exchanges input/output data through the backplane bus for sensors, relays, valves, contactors, and status devices.

Model Configuration

Field	Verified information
Complete model	6ES7323-1BL00-0AA0
Manufacturer	Siemens
Product description	Siemens SIMATIC S7-300 SM 323 Digital I/O Module

Key Features

- 16 inputs and 16 outputs in one module
- Isolated 24 V DC I/O
- Short-circuit-protected outputs
- Single 40-pole front connector
- Published Siemens lifecycle status

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
Manufacturer	Siemens
Product family	SIMATIC S7-300
Module type	SM 323 isolated digital I/O
Digital inputs	16, IEC 61131 Type 1
Digital outputs	16, 24 V DC, 0.5 A
Output current per group	4 A at 40 C; 3 A at 60 C horizontal; 2 A vertical at 40 C
Output protection	Short-circuit protected
Connector	One 40-pole front connector
Dimensions	40 x 125 x 120 mm
Published lifecycle	Product cancellation PM410 since 1 October 2025; spare part

Verification Note

Use the complete 6ES7323-1BL00-0AA0 identifier. Siemens lists 6ES7323-1BL00-0AA0 as product cancellation PM410 since 1 October 2025 and available as a spare part. Regional status may vary. Unpublished values are intentionally not inferred.

3. Functions, Applications and Components

Core Functions

- Reads 24 V DC sensor and contact states
- Switches 24 V DC field loads
- Transfers I/O data through the S7-300 backplane
- Consolidates mixed digital I/O in one slot

Application Areas

Application	System role
Machine automation	Connect sensors, relays, and solenoids
Process skids	Acquire status and drive discrete devices
ET 200M stations	Provide remote mixed digital I/O where approved
S7-300 maintenance	Replace an exact SM 323 article number

Compatible Components

- SIMATIC S7-300 racks and CPUs supporting SM 323
- ET 200M stations that list the module
- One compatible 40-pole front connector
- 24 V DC field devices within published current limits

Lifecycle Status

Siemens lists 6ES7323-1BL00-0AA0 as product cancellation PM410 since 1 October 2025 and available as a spare part. Regional status may vary.

4. Installation Precautions

- Calculate group and module load current before wiring
- Use the correct 40-pole front connector
- Observe output short-circuit and inrush limits
- Check hardware configuration and addresses
- De-energize field and backplane supplies before service

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 Industry Mall technical data for 6ES7323-1BL00-0AA0 and current Siemens product lifecycle information.

Apter Power product page

<https://www.apterpower.com/Siemens/6ES7323-1BL00-0AA0>

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.

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