

Product dashboard

Siemens 6ES5300-3AB11 is a SIMATIC S5 IM300-3 central-controller interface module for centralized connection of EU 183U or EU 185U I/O expansion units through an IM312-3 interface.

Exact model
6ES5300-3AB11

Product type
IM300-3 Central Interface Module

System family
SIMATIC S5

Functional role
Interface Module

PARAMETER	DOCUMENTED VALUE
Exact article	6ES5300-3AB11
Interface type	IM300-3
Configuration	Centralized
Installed side	Central controller
Expansion units	EU 183U / EU 185U with I/O modules only
Expansion-side interface	IM312-3
Maximum IM300 count	Up to four per central controller
Maximum centralized line	2 m to the final expansion-unit interface

Release basis: verify the exact identity, retained host relationship, connected interfaces and controlled functional result.

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6ES5300-3AB11

System overview

Siemens 6ES5300-3AB11 provides the IM300-3 controller-side interface for a centralized SIMATIC S5 expansion path serving EU 183U or EU 185U I/O units.

- Centralized S5 expansion**

Links the central controller to a documented S5 I/O expansion unit.
- Legacy rack service**

Restores the exact IM300-3 controller-side position during maintenance.
- I/O expansion diagnosis**

Separates central interface, cable, termination and expansion-unit faults.
- Controlled migration work**

Preserves the original rack map while connected I/O is verified.

SYSTEM POSITION	RECORD
Installed identity	6ES5300-3AB11
Host relationship	SIMATIC S5
Controlled function	It is the IM300-3 central-controller interface for a centralized SIMATIC S5 expansion-unit connection.

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Technical data map

PARAMETER	VERIFIED VALUE
Exact article	6ES5300-3AB11
Interface type	IM300-3
Configuration	Centralized
Installed side	Central controller
Expansion units	EU 183U / EU 185U with I/O modules only
Expansion-side interface	IM312-3
Maximum IM300 count	Up to four per central controller
Maximum centralized line	2 m to the final expansion-unit interface
Supported module classes	DI, DO, AI, AO and approved intelligent I/O modules
Final-line requirement	Retain the documented IM312-3 terminator

CONTROL BAND	VERIFICATION RECORD
Identity	Exact model and complete label
Mechanical	Form, seating and retention
Interfaces	Power, wiring, communication and protection
Configuration	Settings, project and revision
Release	It is the IM300-3 central-controller interface for a centralized SIMATIC S5 expansion-unit connection.

Technical evidence record: Siemens SIMATIC S5 System Manual C79000-G8576-C199-07, pages 2-4 and 7-2

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Applications and precautions

1

Confirm the complete Siemens 6ES5300-3AB11 marking before work.

2

Place the controller and every connected expansion circuit in the approved maintenance state.

3

Record the central-controller slot and paired IM312-3 position.

4

Photograph the fixed cable route and final termination before removal.

5

Verify the receiving unit is the documented EU 183U or EU 185U I/O arrangement.

6

Keep the complete interface path to the final expansion unit within 2 m.

7

Review controller and expansion-unit diagnostics after energization.

8

Functionally verify every affected I/O point before service release.

Complete each check against the installed record; hold release when any identity, connection, configuration or diagnostic result differs.

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Buyer and engineering FAQ

What role does Siemens 6ES5300-3AB11 perform?

It is the IM300-3 central-controller interface for a centralized SIMATIC S5 expansion-unit connection.

Which configuration uses Siemens 6ES5300-3AB11?

The system manual lists it for centralized SIMATIC S5 configuration.

Where is Siemens 6ES5300-3AB11 installed?

It is installed on the central-controller side of the expansion path.

Which expansion units can Siemens 6ES5300-3AB11 serve?

The documented centralized arrangement covers EU 183U and EU 185U with I/O modules only.

Related Apter Power pages

[Siemens 6ES5946-3UA22](#)

[Siemens 6ES5928-3UB21](#)

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