Product dashboard

Siemens 6ES5301-3AB13 is a SIMATIC S5 IM301-3 central-controller interface module that supports a distributed connection to IM310 expansion interfaces over a documented cable route of up to 200 m.

Exact model	Product type	System family	Functional role
6ES5301-3AB13	IM301-3 Central Interface Module	SIMATIC S5	Interface Module

PARAMETER	DOCUMENTED VALUE
Exact article	6ES5301-3AB13
Interface type	IM301-3
Installed side	Central controller
Distributed counterpart	IM310 6ES5310-3AB11
Connecting cable	6ES5721-0xxxx
Distributed cable range	1 m to 200 m
Expansion units	EU 183U / EU 185U
Supported remote modules	I/O modules and IPs without page addressing

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

CONTACT APTER POWER

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

6ES5301-3AB13

System overview

Siemens 6ES5301-3AB13 provides the IM301-3 controller-side interface for a distributed SIMATIC S5 expansion path and is also listed in the centralized interface table.

Distributed S5 expansion

Connects a central controller to remote EU 183U or EU 185U positions.

Long cable routes

Maintains a documented IM301-3/IM310 path up to 200 m.

Legacy rack replacement

Restores the exact controller-side interface and cable identity.

Remote I/O diagnosis

Separates interface, cable, termination and remote-module conditions.

SYSTEM POSITION	RECORD
Installed identity	6ES5301-3AB13
Host relationship	SIMATIC S5
Controlled function	It is the IM301-3 central-controller interface for a documented distributed SIMATIC S5 connection to IM310 expansion interfaces.

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Technical data map

PARAMETER	VERIFIED VALUE
Exact article	6ES5301-3AB13
Interface type	IM301-3
Installed side	Central controller
Distributed counterpart	IM310 6ES5310-3AB11
Connecting cable	6ES5721-0xxxx
Distributed cable range	1 m to 200 m
Expansion units	EU 183U / EU 185U
Supported remote modules	I/O modules and IPs without page addressing
S5-155H use	Not permitted in the documented IM301-3 arrangement
Additional function	Second interface supports distributed communication

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 IM301-3 central-controller interface for a documented distributed SIMATIC S5 connection to IM310 expansion interfaces.

Technical evidence record: Siemens SIMATIC S5 System Manual C79000-G8576-C199-07, pages 2-4 and 2-5

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Applications and precautions

1. Confirm the complete Siemens 6ES5301-3AB13 marking before work.
2. Place the controller and every remote expansion circuit in the approved maintenance state.
3. Record the controller slot, all IM310 positions and the cable order code.
4. Measure and retain the documented 1 m to 200 m cable route.
5. Confirm the installation is not the excluded S5-155H arrangement.
6. Preserve the final terminator and every remote rack assignment.
7. Review central and remote diagnostics after controlled energization.
8. Functionally verify every affected remote I/O point before release.

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

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6ES5301-3AB13

Buyer and engineering FAQ

What role does Siemens 6ES5301-3AB13 perform?

It is the IM301-3 central-controller interface for a documented distributed SIMATIC S5 connection to IM310 expansion interfaces.

Which configuration uses Siemens 6ES5301-3AB13?

It supports the documented distributed SIMATIC S5 expansion arrangement.

Which module pairs with Siemens 6ES5301-3AB13?

The distributed counterpart is IM310 6ES5310-3AB11.

Which cable family is specified for Siemens 6ES5301-3AB13?

The manual specifies 6ES5721-0xxxx connecting cable.

Related Apter Power pages

- Siemens 6ES7431-7KF10-0AB0
- Siemens 6ES7431-7KF00-6AA0

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