1

01 Readiness and operating boundary

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.

Confirm exact identity

Confirm the complete Siemens 6ES5301-3AB13 marking before work.

Exact article	6ES5301-3AB13
Interface type	IM301-3
Installed side	Central controller

Establish the safe work boundary

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

Identity	6ES5301-3AB13
Host	SIMATIC S5
Acceptance	Diagnostics and functional response

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

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6ES5301-3AB13

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02 Configuration and interface setup

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.

Record the as-found configuration

Record the controller slot, all IM310 positions and the cable order code.

Interface type	IM301-3
Installed side	Central controller
Distributed counterpart	IM310 6ES5310-3AB11

Map connections and settings

Measure and retain the documented 1 m to 200 m cable route.

Identity	6ES5301-3AB13
Host	SIMATIC S5
Acceptance	Diagnostics and functional response

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

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03 Installation and service sequence

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.

Restore the documented assembly

Confirm the installation is not the excluded S5-155H arrangement.

Installed side	Central controller
Distributed counterpart	IM310 6ES5310-3AB11
Connecting cable	6ES5721-0xxxx

Protect every interface

Preserve the final terminator and every remote rack assignment.

Identity	6ES5301-3AB13
Host	SIMATIC S5
Acceptance	Diagnostics and functional response

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

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04 Verification and fault isolation

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.

Verify the installed function

Review central and remote diagnostics after controlled energization.

Distributed counterpart	IM310 6ES5310-3AB11
Connecting cable	6ES5721-0xxxx
Distributed cable range	1 m to 200 m

Isolate unexpected response

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

Identity	6ES5301-3AB13
Host	SIMATIC S5
Acceptance	Diagnostics and functional response

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

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05 Acceptance and service handover

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.

Complete the release record

Confirm the complete Siemens 6ES5301-3AB13 marking before work.

Exact article	6ES5301-3AB13
Interface type	IM301-3
Installed side	Central controller

Retain acceptance evidence

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

Identity	6ES5301-3AB13
Host	SIMATIC S5
Acceptance	Diagnostics and functional response

Siemens 6ES5947-3UR21

Siemens 6ES5312-3AB31

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