Product dashboard

Siemens 6ES5312-5CA11 is a SIMATIC S5 IM312-5 expansion-unit interface module with a fixed 0.5 m cable for centralized connection of an EU 184U or EU 187U to an IM300-5C controller interface.

Exact model	Product type	System family	Functional role
6ES5312-5CA11	IM312-5 Expansion-Unit Interface Module	SIMATIC S5	Interface Module

PARAMETER	DOCUMENTED VALUE
Exact article	6ES5312-5CA11
Interface type	IM312-5
Configuration	Centralized
Installed side	Expansion unit
Expansion units	EU 184U / EU 187U
Controller-side interface	IM300-5C 6ES5300-5CA11
Connecting cable	Fixed to the IM312-5 module
Cable length	0.5 m for the 5CA11 execution

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

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6ES5312-5CA11

System overview

Siemens 6ES5312-5CA11 carries the centralized SIMATIC S5 interface into an EU 184U or EU 187U expansion unit through its fixed 0.5 m cable.

Centralized S5 expansion

Carries the controller interface into an EU 184U or EU 187U.

Fixed-cable replacement

Restores the exact 0.5 m 5CA11 cable execution.

Legacy rack maintenance

Preserves the IM300-5C/IM312-5 pairing and rack map.

I/O path verification

Checks interface, cable and every affected expansion-unit signal.

SYSTEM POSITION	RECORD
Installed identity	6ES5312-5CA11
Host relationship	SIMATIC S5
Controlled function	It is the IM312-5 expansion-unit interface with a fixed 0.5 m cable for a centralized SIMATIC S5 connection.

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Technical data map

PARAMETER	VERIFIED VALUE
Exact article	6ES5312-5CA11
Interface type	IM312-5
Configuration	Centralized
Installed side	Expansion unit
Expansion units	EU 184U / EU 187U
Controller-side interface	IM300-5C 6ES5300-5CA11
Connecting cable	Fixed to the IM312-5 module
Cable length	0.5 m for the 5CA11 execution
Maximum centralized line	2 m to the final expansion-unit interface
Suffix distinction	5CA21 is the separate 1.5 m execution

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 IM312-5 expansion-unit interface with a fixed 0.5 m cable for a centralized SIMATIC S5 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 6ES5312-5CA11 marking before work.
2. Place the controller and connected expansion unit in the approved maintenance state.
3. Record the EU slot and paired IM300-5C controller interface.
4. Protect the fixed 0.5 m cable from twisting, crushing or unapproved extension.
5. Confirm the receiving rack is the documented EU 184U or EU 187U.
6. Keep the complete centralized path to the final interface within 2 m.
7. Review controller and expansion-unit diagnostics after energization.
8. Functionally verify every affected 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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6ES5312-5CA11

Buyer and engineering FAQ

What role does Siemens 6ES5312-5CA11 perform?

It is the IM312-5 expansion-unit interface with a fixed 0.5 m cable for a centralized SIMATIC S5 connection.

Which configuration uses Siemens 6ES5312-5CA11?

It is listed for centralized SIMATIC S5 expansion.

Where is Siemens 6ES5312-5CA11 installed?

It is the interface module installed in the expansion unit.

Which expansion units are listed for Siemens 6ES5312-5CA11?

The system manual lists EU 184U and EU 187U.

Related Apter Power pages

- Siemens 6DD3460-0AC0
- Siemens 6DP1230-8CC

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