Product dashboard

Siemens 6ES5420-4UA12 is a SIMATIC S5 420 compact U digital input module with 32 non-floating 24 V DC inputs, supplied as a legacy spare-part execution.

Exact model	Product type	System family	Functional role
6ES5420-4UA12	32-Channel Digital Input Module	SIMATIC S5	Digital Input Module

PARAMETER	DOCUMENTED VALUE
Exact article	6ES5420-4UA12
Product family	SIMATIC S5
Module series	420
Module type	Digital input
Input count	32
Rated input voltage	24 V DC
Isolation	Non-floating
Mechanical format	Compact version U

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

6ES5420-4UA12

System overview

Siemens 6ES5420-4UA12 collects 32 non-floating 24 V DC digital input points in a compact SIMATIC S5 U-format module.

Discrete signal acquisition

Collects up to 32 field-state signals in a SIMATIC S5 rack.

Legacy input replacement

Restores the exact compact U input position.

Common-reference maintenance

Preserves the non-floating wiring arrangement and return conductors.

Input fault isolation

Checks connector, common reference and each field input separately.

SYSTEM POSITION	RECORD
Installed identity	6ES5420-4UA12
Host relationship	SIMATIC S5
Controlled function	It is a compact SIMATIC S5 420 digital input module providing 32 non-floating 24 V DC inputs.

CONTACT APTER POWER

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

6ES5420-4UA12

Technical data map

PARAMETER	VERIFIED VALUE
Exact article	6ES5420-4UA12
Product family	SIMATIC S5
Module series	420
Module type	Digital input
Input count	32
Rated input voltage	24 V DC
Isolation	Non-floating
Mechanical format	Compact version U
Lifecycle statement	Available as a spare part only
Acceptance basis	Identity, connector map, common reference and all 32 input states

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 a compact SIMATIC S5 420 digital input module providing 32 non-floating 24 V DC inputs.

Technical evidence record: Siemens exact-product data sheet 6ES5420-4UA12, dated 2019-11-19

CONTACT APTER POWER

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

6ES5420-4UA12

Applications and precautions

1. Confirm the complete Siemens 6ES5420-4UA12 marking before work.
2. Place all 32 dependent field signals in the approved maintenance state.
3. Record every input address and common-reference conductor.
4. Photograph the front connector, slot and adjacent modules before removal.
5. Verify the circuit uses the documented 24 V DC input level.
6. Restore the non-floating common-potential arrangement exactly as recorded.
7. Review module and controller diagnostics after energization.
8. Functionally verify all 32 input states before service release.

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

CONTACT APTER POWER

WHATSAPP / PHONE	+86 180 3023 5313
EMAIL	sales13@apterpower.com
WEBSITE	www.apterpower.com

6ES5420-4UA12

Buyer and engineering FAQ

What role does Siemens 6ES5420-4UA12 perform?

It is a compact SIMATIC S5 420 digital input module providing 32 non-floating 24 V DC inputs.

How many inputs does Siemens 6ES5420-4UA12 provide?

It provides 32 digital input points.

What input voltage is specified for Siemens 6ES5420-4UA12?

The exact data sheet specifies 24 V DC inputs.

Are the inputs of Siemens 6ES5420-4UA12 floating?

No. The exact data sheet identifies the inputs as non-floating.

Related Apter Power pages

- Siemens 6DP1900-8AA
- Siemens 6DS1300-8AB

CONTACT APTER POWER

WHATSAPP / PHONE	+86 180 3023 5313
EMAIL	sales13@apterpower.com
WEBSITE	www.apterpower.com

6ES5420-4UA12