

Product dashboard

Siemens 6ES5454-4UA13 is a SIMATIC S5 isolated digital output module with 16 short-circuit-protected 24 V DC outputs rated for 10 mA to 2 A loads.

Exact model

6ES5454-4UA13

Product type

16-Channel 24 V DC
Digital Output Module

System family

SIMATIC S5

Functional role

Digital Output Module

PARAMETER	DOCUMENTED VALUE
Exact article	6ES5454-4UA13
Module type	Digital output
Output count	16, short-circuit protected
Rated supply	24 V DC
Supply range	20 to 30 V DC
Isolation	Isolated, one group of 16 outputs
Channel current	10 mA to 2 A
Group current limit	4 A per 4 outputs

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



6ES5454-4UA13

System overview

Siemens 6ES5454-4UA13 supplies 16 isolated, short-circuit-protected 24 V DC output channels for higher-current SIMATIC S5 loads.

- Higher-current actuator control**

Drives documented 24 V DC loads up to 2 A per channel.
- Grouped output service**

Maintains the 4 A limit and fuse plan for each four-channel group.
- Legacy rack replacement**

Restores the exact 4UA13 output position and enable circuit.
- Short-circuit diagnosis**

Uses group LEDs and the H+ signal to isolate output faults.

SYSTEM POSITION	RECORD
Installed identity	6ES5454-4UA13
Host relationship	SIMATIC S5
Controlled function	It is a 16-channel isolated SIMATIC S5 digital output module for 24 V DC loads up to 2 A per channel.

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Technical data map

PARAMETER	VERIFIED VALUE
Exact article	6ES5454-4UA13
Module type	Digital output
Output count	16, short-circuit protected
Rated supply	24 V DC
Supply range	20 to 30 V DC
Isolation	Isolated, one group of 16 outputs
Channel current	10 mA to 2 A
Group current limit	4 A per 4 outputs
Maximum unshielded cable	400 m
Dimensions	40 x 255 x 195 mm
Approximate weight	0.55 kg
Short-circuit indication	Red LED for each group of 4 outputs

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 16-channel isolated SIMATIC S5 digital output module for 24 V DC loads up to 2 A per channel.

Technical evidence record: Siemens SIMATIC S5 System Manual C79000-G8576-C199-07, section 8.4.12

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Applications and precautions

1

Confirm the complete Siemens 6ES5454-4UA13 marking before work.

2

Place every connected actuator in the approved maintenance state.

3

Record all 16 outputs, four-channel groups, fuses and load currents.

4

Document the enable circuit and H+ short-circuit indication wiring.

5

Verify the 20–30 V DC supply before reconnection.

6

Keep each channel and four-output group within the documented load limits.

7

Review every group LED and controller diagnostic after energization.

8

Functionally prove all 16 outputs 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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6ES5454-4UA13

Buyer and engineering FAQ

What role does Siemens 6ES5454-4UA13 perform?

It is a 16-channel isolated SIMATIC S5 digital output module for 24 V DC loads up to 2 A per channel.

How many outputs does Siemens 6ES5454-4UA13 provide?

It provides 16 isolated short-circuit-protected outputs.

What supply range applies to Siemens 6ES5454-4UA13?

The exact module data lists 20 to 30 V DC.

What channel current applies to Siemens 6ES5454-4UA13?

The documented switching-current range is 10 mA to 2 A per channel.

Related Apter Power pages

[Siemens 6GK5208-0BA00-2AB2](#)

[Siemens 6GK5308-2FM10-2AA3](#)

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