

Siemens 6ES7132-4HB01-0AB0

01 Product function and selected configuration

Technical specification summary

Technical item	Specification
Output type	Relay
Output channels	2
DC load range	24 to 120 V DC
AC load range	24 to 230 V AC
Nominal output current	5 A per channel
Minimum load current	8 mA
Resistive-load switching rate	2 Hz maximum
Inductive-load switching rate	0.5 Hz maximum
Lamp-load switching rate	2 Hz maximum
Channel indication	Green status LED per output
Short-circuit protection	No
Configured stop response	Substitute value or keep last value

Exact product role

Siemens 6ES7132-4HB01-0AB0 switches two field-load circuits from an ET 200S station while keeping the output channels isolated from one another, the backplane bus and the load supply.

Key characteristics

- 01**
Provides two relay output channels.
- 02**
Switches DC and AC load circuits within the specified voltage ranges.
- 03**
Supports configured substitute values after a controller stop.
- 04**
Shows each output state with a green channel indicator.

Important notice

Verify contact state, channel assignment, load voltage, protective device and substitute-value behavior before reconnecting either field circuit.



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02 Technical data in context

Configured values

Parameter	Value or condition
Output type	Relay
Output channels	2
DC load range	24 to 120 V DC
AC load range	24 to 230 V AC
Nominal output current	5 A per channel
Minimum load current	8 mA

How to use the data

Relay current, load type and switching frequency must be evaluated together. An output that is within its current rating can still exceed the permitted switching duty for an inductive load. Test the command bit, relay contact and field load as separate stages. Record the selected response to CPU or master stop with the output acceptance result.

Interface map

Interface	Function	Verification point
Output type	Relay	Confirm the installed output type agrees with this exact configuration.
Output channels	2	Confirm the installed output channels agrees with this exact configuration.
DC load range	24 to 120 V DC	Confirm the installed dc load range agrees with this exact configuration.
AC load range	24 to 230 V AC	Confirm the installed ac load range agrees with this exact configuration.



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03 Applications, precautions and test logic

Common applications

Motor-control auxiliaries

Switch approved contactor or interposing-relay circuits.

Valve and actuator commands

Control two independently wired field loads.

Mixed AC/DC output stations

Use the relay contacts with a correctly engineered load circuit.

Controlled fallback states

Apply substitute or retained values after controller stop.

Commissioning logic

- 01** Confirm Siemens 6ES7132-4HB01-0AB0.
- 02** Verify the applicable supply or isolated wiring condition.
- 03** Restore the approved project, module pairing or terminal assignment.
- 04** Apply a controlled input, command or communication change.

Product precautions

- 01** Identify both relay channels and their load circuits before disconnection.
- 02** Confirm each field voltage is within the specified AC or DC range.
- 03** Size external circuit protection because the outputs are not short-circuit protected.
- 04** Check inrush and switching duty for the actual load type.

Controlled release

Treat each relay path in Siemens 6ES7132-4HB01-0AB0 as an independently protected field circuit.



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04 Exact-model questions

Questions 1–4

Which load voltages can Siemens 6ES7132-4HB01-0AB0 switch?

Its relay contacts are specified for 24–120 V DC loads or 24–230 V AC loads.

How many field circuits does Siemens 6ES7132-4HB01-0AB0 control?

It provides two independently addressed relay output channels.

What continuous current is assigned to each Siemens 6ES7132-4HB01-0AB0 output?

Each relay channel is rated for 5 A under the specified operating conditions; the minimum load current is 8 mA.

Why is an external protective device needed with Siemens 6ES7132-4HB01-0AB0?

The outputs do not include short-circuit protection, so the field circuit needs the correctly coordinated external protection.

Diagnostic guide

Observed condition	Investigation
No expected response	Trace the source, connection and configured destination before replacing hardware.
Wrong value or state	Compare the exact technical selection, channel identity and retained project data.
Intermittent behavior	Inspect seating, terminal security, signal reference and environmental condition.

Question boundary

The questions are written for this full model string and its stated technical role.



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05 Acceptance and related products

Functional acceptance

Test	Action	Expected result
Fault response	Introduce only the approved diagnostic or interruption test.	The configured status and safe response are visible.
Release	Remove test states and compare the final condition with the baseline.	Normal operation is stable and recorded.

Related Siemens products

Siemens 6ES5316-8FA12

Siemens 6DD1610-0AG1

Siemens 6DM1001-2LA02-2

Siemens 6DD3460-0AC0

Questions 5–8

How often may Siemens 6ES7132-4HB01-0AB0 switch an inductive load?

The specified maximum switching rate for inductive loads is 0.5 Hz, lower than the 2 Hz limit for resistive or lamp loads.

What can Siemens 6ES7132-4HB01-0AB0 do when the CPU or master stops?

The configured response can apply a substitute value or retain the last value; the selected behavior must match the machine safety design.

What do the green indicators on Siemens 6ES7132-4HB01-0AB0 show?

Each green channel LED indicates the commanded output state; it does not by itself prove that the relay contact or field load changed state.

How should both channels of Siemens 6ES7132-4HB01-0AB0 be commissioned?

Command one output at a time, measure the contact and field-load response, verify electrical isolation and protection, then test the configured stop-state behavior.

Final criterion

Release the product only after the physical path, logical configuration and diagnostic response agree with the approved machine record.

