

Siemens 505-4732

Complete Product Information

Siemens 505-4732 is a double-wide SIMATIC 505 module with 32 non-latching DC outputs for 6 to 24 V DC loads.

PRODUCT ROLE AND VERIFIED FEATURES

Feature 1

Provides 32 DC output channels.

Feature 2

Supports a 6 to 24 V DC rated load supply.

Feature 3

Uses diode kickback protection for inductive switching.

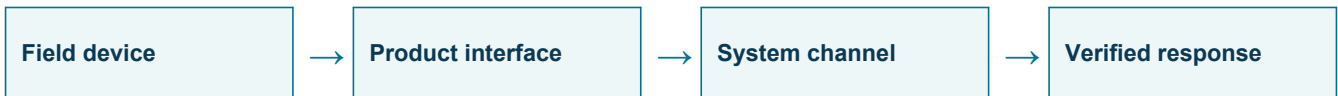
Feature 4

Occupies a double-wide rack position.

VERIFIED DATA SNAPSHOT

Output channels	32
Rated load supply	6 to 24 V DC
Operating range	4.5 to 34 V DC
Minimum load	5 mA

SYSTEM RELATIONSHIP



APTERPOWER SALES TEAM
 WhatsApp / Phone: +86 180 3023 5313
 Email: sales13@apterpower.com
 Scan the approved WhatsApp code for model-specific support.



Technical profile

Verified technical values for the complete product string are arranged below for selection and engineering review.

Output channels	32
Rated load supply	6 to 24 V DC
Operating range	4.5 to 34 V DC
Minimum load	5 mA
Overload	5 A for 1 ms
ON-state drop	2.0 V
OFF-state leakage	0.2 mA
Protection	Diode kickback; reverse-voltage protection to 34 V DC
Output behavior	Non-latching, unprotected
Module format	Double-wide

SELECTION ANCHORS

- Provides 32 DC output channels.
- Supports a 6 to 24 V DC rated load supply.
- Uses diode kickback protection for inductive switching.
- Occupies a double-wide rack position.

IMPORTANT NOTICE

Use the values as one matched configuration. Do not substitute a nearby ordering code without a separate check.

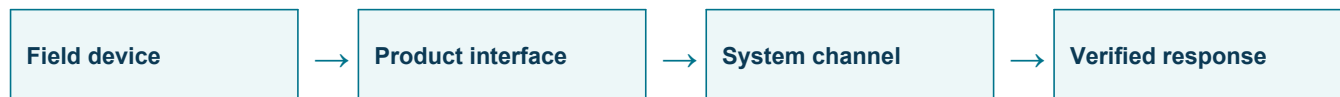
MANUFACTURER SOURCE CONTROLS

Manufacturer source	SIMATIC 505 Input/Output Modules User Manual, order number 505-8105-2
Evidence boundary	Technical statements are limited to the identified product or applicable manufacturer family.
Selection control	Use the complete ordering string and verify the installed system before purchase or installation.

ADDITIONAL ENGINEERING CHECKS

What must be reviewed before energizing Siemens 505-4732?	Review polarity, commons, load and group current, inrush and the double-wide rack position.
Which test confirms Siemens 505-4732 operation?	Command all assigned points and verify the corresponding loads and safety interlocks.

System role and architecture



APPLICATION POINTS

High-density DC actuation Switch 32 approved DC field loads from the controller rack.	Relay-panel control Drive interposing relays and indicator circuits within the load limits.
Machine output mapping Preserve an established 32-point output allocation during maintenance.	Legacy SIMATIC 505 support Restore the double-wide output role without changing the process logic.

INTEGRATION RECORD

Identity	Record the complete marking and installed position.
Mechanical interface	Confirm mounting, support, clearance and connector engagement.
Electrical interface	Confirm signal path, shield, common and receiving-channel assignment.
Configuration	Retain the controlled channel settings and acceptance criteria.
Functional evidence	Record the expected static value, dynamic response and system status.

The 32-point dc output module belongs to the SIMATIC 505 modular control platform. Selection must preserve the documented signal role, terminal arrangement and rack interface.

ENGINEERING REVIEW QUESTIONS

How many outputs are provided by Siemens 505-4732?	The module provides 32 DC outputs.
How much rack space does Siemens 505-4732 require?	It uses a double-wide SIMATIC 505 module position.
Which DC supply is rated for Siemens 505-4732?	The rated load supply is 6 to 24 V DC, with a documented operating range of 4.5 to 34 V DC.
What minimum load applies to Siemens 505-4732?	The minimum load is 5 mA.

Engineering checks and acceptance

PRODUCT PRECAUTIONS

- 01 Reserve the complete double-wide rack position before installation.
- 02 Isolate rack power and every external DC load supply.
- 03 Label output, common and supply conductors before removal.
- 04 Confirm load current, group current and inrush stay within the approved design.
- 05 Retain appropriate suppression at inductive field devices.
- 06 Inspect both module and terminal-block connectors before engagement.
- 07 Verify polarity and common grouping before applying field power.
- 08 Exercise each output and confirm the intended load and interlock response.

RELEASE EVIDENCE

Exact identity	Product marking and intended system position agree.
Interface condition	Mounting, connectors, terminals and cable routing are secure.
Signal response	The expected static and dynamic behavior has been observed.
Protection state	Channel status, alarms and controlled bypass state are restored.

IMPORTANT NOTICE

Treat Siemens 505-4732 as one complete execution and verify every field connection before the controlled system returns to service.

APPLICATION BOUNDARIES

High-density DC actuation	Switch 32 approved DC field loads from the controller rack.
Relay-panel control	Drive interposing relays and indicator circuits within the load limits.
Machine output mapping	Preserve an established 32-point output allocation during maintenance.
Legacy SIMATIC 505 support	Restore the double-wide output role without changing the process logic.

Technical questions and related models

MODEL-SPECIFIC QUESTIONS

How many outputs are provided by Siemens 505-4732?	The module provides 32 DC outputs.
How much rack space does Siemens 505-4732 require?	It uses a double-wide SIMATIC 505 module position.
Which DC supply is rated for Siemens 505-4732?	The rated load supply is 6 to 24 V DC, with a documented operating range of 4.5 to 34 V DC.
What minimum load applies to Siemens 505-4732?	The minimum load is 5 mA.
How does Siemens 505-4732 protect inductive loads?	The outputs include diode kickback protection; retain approved suppression at the field device.
Are Siemens 505-4732 outputs latching?	No. The outputs are non-latching.

RELATED MODELS ON APTERPOWER

Siemens 6AV8100-0BB00-0AA1	Related product reference. Review the complete ordering string before selection.
Siemens 6ES5316-8FA12	Related product reference. Compare the required interface and system position.
Siemens 6DD1610-0AG1	Related product reference. Confirm the execution independently for the intended task.

SOURCE AND SELECTION RECORD

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