

505-4232

SIMATIC 505 thirty-two-point AC input module

CONTROLLED ENGINEERING COPY

Isolate every AC input group, label each conductor and common, verify the exact 505-4232 address assignment, and test ON/OFF thresholds under controlled conditions.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	505-4232
Manufacturer part	505-4232
Hardware type	505-4232
System family	Siemens SIMATIC 505 I/O system



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete 505-4232 marking and its assigned Siemens SIMATIC 505 I/O system position before work.
- 2

Place the connected ac limit-switch acquisition process in the approved maintenance state.
- 3

Isolate applicable power and thirty-two 100/115 vac discrete input states field energy before disconnection.
- 4

Record every connector, conductor, address, firmware and software identity before removal.
- 5

Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.

MATCHED HARDWARE

- SIMATIC 505 base and controller
- 100/115 VAC field circuits
- documented input terminal assembly
- approved 505 I/O configuration

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	505-4232 / 505-4232 recorded
Physical interface	SIMATIC 505 base and controller
Companion check	100/115 VAC field circuits
Functional proof	Acquires thirty-two AC input points
Application test	AC limit-switch acquisition

02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Catalog number	505-4232
Input points	32
Module width	Single-wide
Input type	IEC Type 1 AC input
Rated input	100 to 115 V AC
Guaranteed ON range	79 to 132 V AC
Guaranteed OFF range	0 to 20 V AC
Line frequency	47 to 63 Hz
Input delay	6 to 30 ms
Module power	2 W from the base
Platform	SIMATIC 505 programmable controller I/O
Official manual	505-8105-2

FIELD NOTE

Isolate every AC input group, label each conductor and common, verify the exact 505-4232 address assignment, and test ON/OFF thresholds under controlled conditions.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	505-4232 / 505-4232 recorded
Physical interface	SIMATIC 505 base and controller
Companion check	100/115 VAC field circuits
Functional proof	Acquires thirty-two AC input points
Application test	AC limit-switch acquisition

04 RETURN-TO-SERVICE RECORD

- ☐
- Confirm the installed SIMATIC 505 base and controller and 100/115 VAC field circuits against the approved project.
- ☐
- Restore power in a controlled sequence and review device, network and host diagnostics.
- ☐
- Prove the intended contactor auxiliary-status monitoring function and retain the final test result.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

PRODUCT IDENTITY	505-4232
INSTALLED POSITION	Documented Siemens SIMATIC 505 I/O system position
VERIFICATION METHOD	Controlled inspection and functional test
RELEASE RECORD	Final diagnostic state retained before service

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Bently Nevada 330101 00 16 10 02 00	Related industrial automation product	View Bently Nevada 330101 00 16 10 02 00 page
Bently Nevada 330101 00 12 10 02 00	Related industrial automation product	View Bently Nevada 330101 00 12 10 02 00 page
Bently Nevada 330101 00 08 10 02 05	Related industrial automation product	View Bently Nevada 330101 00 08 10 02 05 page
Bently Nevada 330101 00 08 10 02 00	Related industrial automation product	View Bently Nevada 330101 00 08 10 02 00 page
ABB 3BHE022293R0101 PCD232A	Related industrial automation product	View ABB 3BHE022293R0101 PCD232A page
Bently Nevada 330101 00 08 05 02 00	Related industrial automation product	View Bently Nevada 330101 00 08 05 02 00 page
Siemens 6SE7090 0XX87 4AH0	Related industrial automation product	View Siemens 6SE7090 0XX87 4AH0 page
Siemens C98043 A7109 L100	Related industrial automation product	View Siemens C98043 A7109 L100 page

SOURCE IDENTIFIERS

Siemens SIMATIC 505 I/O Modules User Manual
505-8105-2

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