

6ES7132-4BD02-0AA0

SIMATIC ET 200S 4DO 24 VDC/0.5 A ST digital output module

Four 24 VDC PNP discrete output signals

PRODUCT SNAPSHOT

BRAND

Siemens

FAMILY

Siemens SIMATIC ET 200S I/O

PART

6ES7132-4BD02-0AA0

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PRODUCT OVERVIEW

Four 24 VDC PNP discrete output signals

1

Provides four PNP source outputs

2

Supplies one-half ampere per channel

3

Fits a fifteen-millimetre ET 200S position

4

Supports packed four-bit addressing

SYSTEM COMPONENTS

ET 200S interface module

compatible terminal module

24 VDC load supply

STEP 7 hardware configuration

TECHNICAL NOTE

Record the terminal-module type, byte address, channel conductors and load supply; isolate L+ before removal and test each output under controlled conditions.

TECHNICAL DATA

PARAMETER	VALUE
Digital outputs	4
Output type	PNP source
Rated load voltage	24 V DC
Rated output current	0.5 A per channel
Total output current	2 A per module
Module width	15 mm

PARAMETER	VALUE
Address space	1 byte or 4 bits packed
Switching frequency, resistive	800 Hz maximum
Switching frequency, inductive	2 Hz maximum
Isolation test	500 V DC
Power loss	0.8 W typical
Operating temperature, vertical	0 to 55 degC

ENGINEERING NOTE

Record the terminal-module type, byte address, channel conductors and load supply; isolate L+ before removal and test each output under controlled conditions.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
Emerson KC4011X1-BZ1	Related industrial automation product	View Emerson KC4011X1-BZ1 page
Emerson KC4011X1-BW1	Related industrial automation product	View Emerson KC4011X1-BW1 page
Emerson KJ2201X1-BA1	Related industrial automation product	View Emerson KJ2201X1-BA1 page
Emerson 3900-02-10	Related industrial automation product	View Emerson 3900-02-10 page
Emerson 396P-02-12-55	Related industrial automation product	View Emerson 396P-02-12-55 page
Emerson 396P-08-10-55	Related industrial automation product	View Emerson 396P-08-10-55 page
Siemens 6SE7041-8HK85-1HA0	Related industrial automation product	View Siemens 6SE7041-8HK85-1HA0 page
Siemens 6SL3200-0SP01-0AA0	Related industrial automation product	View Siemens 6SL3200-0SP01-0AA0 page

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Solenoid and contactor commands

Provides four PNP source outputs

Distributed machine output station

Supplies one-half ampere per channel

Compact indicator control

Fits a fifteen-millimetre ET 200S position

ET 200S output-module replacement

Supports packed four-bit addressing

PRODUCT PRECAUTIONS

- 1 Verify the complete 6ES7132-4BD02-0AA0 marking and its assigned Siemens SIMATIC ET 200S I/O position before work.
- 2 Place the connected solenoid and contactor commands process in the approved maintenance state.
- 3 Isolate applicable power and four 24 vdc pnp discrete output signals field energy before disconnecting conductors.
- 4 Record connector, conductor, address, firmware and software identities before removal.
- 5 Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.
- 6 Confirm the installed ET 200S interface module and compatible terminal module against the approved project.
- 7 Restore power in a controlled sequence and review device, network and host diagnostics.
- 8 Prove the intended distributed machine output station function and retain the final test result.

ENGINEER FAQ

Q1 Does 6ES7132-4BD02-0AA0 match ET 200S interface module in a Solenoid and contactor commands installation?

Verify the complete 6ES7132-4BD02-0AA0 marking, the documented Siemens SIMATIC ET 200S I/O position and the installed ET 200S interface module before fitting the assembly.

Q2 How should 6ES7132-4BD02-0AA0 be wired when it must provides four pnp source outputs?

Isolate the circuit, identify every terminal and reproduce the approved polarity, shield and channel assignment for 6ES7132-4BD02-0AA0; then continuity-test the affected path.

Q3 Which Siemens SIMATIC ET 200S I/O records should be captured before removing 6ES7132-4BD02-0AA0?

Record the as-found wiring, installed position, active configuration and diagnostic state associated with 6ES7132-4BD02-0AA0 before disconnection.

Q4 What controlled test confirms that 6ES7132-4BD02-0AA0 can supplies one-half ampere per channel?

Apply the approved field or simulated stimulus, observe the Siemens SIMATIC ET 200S I/O indication and confirm the intended response without bypassing the normal interlocks.

Q5 Which compatible terminal module condition should be checked when 6ES7132-4BD02-0AA0 reports an abnormal state?

Check the compatible terminal module supply, seating and connection first, then compare channel diagnostics with the recorded 6ES7132-4BD02-0AA0 baseline.

Q6 Can 6ES7132-4BD02-0AA0 be moved directly into Distributed machine output station without validating STEP 7 hardware configuration?

No. Confirm the STEP 7 hardware configuration, revision, connection scheme and Siemens SIMATIC ET 200S I/O configuration before transferring 6ES7132-4BD02-0AA0 to that duty.

Q7 What maintenance evidence is required after 6ES7132-4BD02-0AA0 is used for Compact indicator control?

Retain the nameplate record, corrective action, final diagnostics and a controlled compact indicator control functional-test result for 6ES7132-4BD02-0AA0.

Q8 How should 6ES7132-4BD02-0AA0 be returned to service in ET 200S output-module replacement?

Restore power under control, verify fits a fifteen-millimetre et 200s position, exercise the intended signal path and release 6ES7132-4BD02-0AA0 only after the Siemens SIMATIC ET 200S I/O remains in its approved operating state.

SOURCE Siemens SIMATIC ET 200S official product manual | 6ES7132-4BD02-0AA0; A5E01254028-01

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