

6ES7132-0BL01-0XB0

Digital Output Block

INSTALLATION AND COMMISSIONING GUIDE

It provides thirty-two 24 VDC outputs in four floating groups for an ET 200B distributed I/O station.

- Provides thirty-two digital outputs
- Separates outputs into four floating groups
- Switches 24 VDC loads at 0.5 A
- Uses documented ET 200B terminal blocks

VERIFIED IDENTITY

Order number	6ES7132-0BL01-0XB0
Module designation	ET 200B-32DO electronics block
Digital outputs	32
Output grouping	Floating in groups of eight
Load voltage	24 V DC
Output current	0.5 A

Official source: Siemens ET 200B Distributed I/O Station Manual
Publication: EWA 4NEB 812 6089-02c

APPLICATION SNAPSHOT

Distributed solenoid control	Commands remote solenoid valves from the field station.
DC contactor output bank	Switches documented 24 VDC contactor coils.
Remote machine I/O	Places thirty-two outputs close to the controlled machine.
ET 200B output replacement	Restores the exact ET 200B electronics block and address map.

01 PRE-INSTALLATION PLAN

Step 1	Verify the complete 6ES7132-0BL01-0XB0 marking and the assigned SIMATIC ET 200B distributed I/O station position before work.
Step 2	Place the connected distributed solenoid control process in the approved maintenance state.
Step 3	Isolate all applicable power and thirty-two grouped 24 vdc output circuits field energy before disconnection.
Step 4	Record every connector, conductor, address, jumper and project identity before removal.
Step 5	Use ESD controls and protect keyed interfaces, exposed contacts and electronic assemblies.
Step 6	Confirm the installed ET 200B station and bus interface and approved TB2/DC or TB4/DC family terminal block against the approved system record.
Step 7	Restore power in a controlled sequence and review module, rack and host diagnostics.
Step 8	Prove the intended dc contactor output bank function and retain the final acceptance result.

MATCHED HARDWARE

- ET 200B station and bus interface
- approved TB2/DC or TB4/DC family terminal block
- 24 VDC group supplies and protective devices
- configured PROFIBUS output address map

02 WIRING & INTERFACE CHECKS

Exact model	6ES7132-0BL01-0XB0
Installed system	SIMATIC ET 200B distributed I/O station
Controlled signal	thirty-two grouped 24 VDC output circuits
Connector record	Capture terminal, plug, jumper and cable identities before removal
Shield and reference	Restore only the documented as-found termination arrangement
Supply isolation	Verify all module, field and stored-energy sources are safe
Configuration record	Save addresses, ranges, parameters, software and project revision
Pre-energization gate	Complete continuity, polarity, supply and protective-device checks

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6ES7132-0BL01-0XB0 | PAGE 2



6ES7132-0BL01-0XB0

03 COMMISSIONING & RETURN TO SERVICE

1 — Identity	Reconfirm 6ES7132-0BL01-0XB0 and the assigned system position
2 — Mechanical	Verify seating, retaining hardware, airflow and connector protection
3 — Electrical	Verify supply, polarity, references, shields and field protection
4 — Configuration	Restore only the approved addresses, parameters and project
5 — Controlled power	Energize with the connected process in the maintenance state
6 — Diagnostics	Review module, rack, network and host diagnostic indications
7 — Function	Exercise the documented distributed solenoid control function
8 — Acceptance	Record the final response and release authorization

APPLICATION-SPECIFIC TESTS

Distributed solenoid control	Commands remote solenoid valves from the field station.
DC contactor output bank	Switches documented 24 VDC contactor coils.
Remote machine I/O	Places thirty-two outputs close to the controlled machine.
ET 200B output replacement	Restores the exact ET 200B electronics block and address map.

RETURN-TO-SERVICE RECORD

Identification accepted	Complete model and installed marking verified
Connections accepted	All conductors, connectors, shields and jumpers reconciled
Configuration accepted	Addressing, parameters and project revision confirmed
Diagnostics accepted	No unexplained module, rack, network or host faults
Function accepted	Documented controlled response proved
Record retained	As-left evidence and approval stored with the maintenance record



MODEL-SPECIFIC FAQ & RELATED PRODUCTS

1	How are the outputs grouped on Siemens 6ES7132-0BL01-0XB0?	The ET 200B-32DO block provides thirty-two outputs arranged as four floating groups of eight.
2	Which load voltage and current apply to 6ES7132-0BL01-0XB0?	The documented output circuits use 24 VDC and are rated at 0.5 A.
3	Which loads are identified for 6ES7132-0BL01-0XB0?	The Siemens manual lists solenoid valves and DC contactors as suitable documented loads.
4	Which terminal blocks can mate with 6ES7132-0BL01-0XB0?	The manual lists TB2/DC, TB2-4/DC, TB4/DC and TB4M/DC terminal blocks.
5	Why must each eight-channel supply be recorded on 6ES7132-0BL01-0XB0?	Each floating group has its own supply boundary; losing the group map can create incorrect commons or disable a bank of outputs.
6	What PROFIBUS information must be preserved with 6ES7132-0BL01-0XB0?	Retain the ET 200B station identity, configured output addresses and diagnostic behavior in the master project.
7	Can 6ES7132-0BL01-0XB0 be replaced by a similar 32DO block directly?	No. Verify the complete MLFB, ET 200B electronics-block revision, terminal block and configured station data.
8	How should 6ES7132-0BL01-0XB0 be tested after installation?	Confirm the station reaches a healthy bus state, then exercise all thirty-two outputs while checking group supplies and the correct field loads.

RELATED PRODUCTS ON APTER POWER

01	GE 750 P5 G5 HI A1 R E	Related industrial automation product
02	Allen-Bradley 1794 OE4XT	Related industrial automation product
03	Siemens 6SL3120 2TE21 8AD0	Related industrial automation product
04	Siemens 6SE7041 8EK85 0LA0	Related industrial automation product
05	Siemens 6SE7035 1EJ84 1JC2	Related industrial automation product
06	ABB DSQC332	Related industrial automation product
07	Allen-Bradley 1794 IE4XOE2	Related industrial automation product
08	Siemens 6SE7090 0XX84 1CE0	Related industrial automation product

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6ES7132-0BL01-0XB0 | PAGE 4



6ES7132-0BL01-0XB0