

6ES7132-0BL01-0XB0

Digital Output Block

PRODUCT AND SYSTEM TECHNICAL REFERENCE

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.

TECHNICAL SPECIFICATIONS

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
Documented loads	Solenoid valves and DC contactors
Compatible terminal block	TB2/DC
Compatible terminal block	TB2-4/DC
Compatible terminal block	TB4/DC
Compatible terminal block	TB4M/DC
System	ET 200B distributed I/O

MATCHED COMPONENTS

- 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

TECHNICAL ACCEPTANCE CRITERIA

Exact identity	Complete 6ES7132-0BL01-0XB0 marking matches the controlled record
System match	Installed position belongs to the SIMATIC ET 200B distributed I/O station
Companion hardware	All required rack, connector, field and project items are reconciled
Electrical limits	Supply, ranges and signal values remain within the named Siemens data
Diagnostics	Module, rack, network and host indications are understood and accepted
Controlled response	The thirty-two grouped 24 vdc output circuits function is proven and recorded

Identify every eight-channel group supply and terminal-block type, preserve the station address and output map, and prove each load after the station returns without bus or diagnostic faults.

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SYSTEM INTEGRATION & FAQ

DOCUMENTED APPLICATIONS

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.

PRODUCT PRECAUTIONS

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

ENGINEER FAQ — PART 1

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.

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ENGINEER FAQ & RELATED PRODUCTS

1	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.
2	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.
3	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.
4	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 DS200SBCBG1ADC	Related industrial automation product
02	GE DS200PCTMG1AAA	Related industrial automation product
03	GE DS200PCCAG9ACB	Related industrial automation product
04	GE DS200FCRRG1AKD	Related industrial automation product
05	GE DS200ADGIH1AAA	Related industrial automation product
06	GE A06B 0104 B111 7000	Related industrial automation product
07	Woodward 8200 226	Related industrial automation product
08	Fanuc A86L 0001 0235	Related industrial automation product

Manufacturer source	Siemens ET 200B Distributed I/O Station Manual
Publication	EWA 4NEB 812 6089-02c
Technical boundary	Values are limited to this exact-model source record
Acceptance evidence	Retain the as-left identity, diagnostics and controlled test result

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