6ES7522-1BH00-0AB0

01 / Product identity and control context

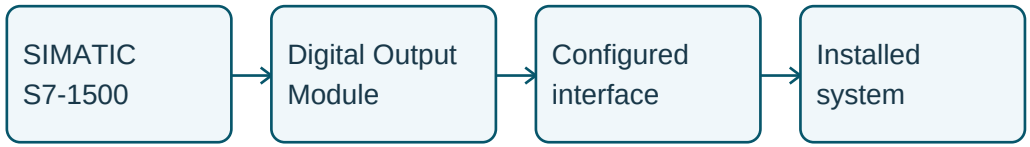
Digital Output Module

Siemens 6ES7522-1BH00-0AB0 is the SIMATIC S7-1500 DQ 16x24VDC/0.5A ST digital output module.

Key characteristics

Product type	Digital Output Module
Product series	SIMATIC S7-1500
Module designation	DQ 16x24VDC/0.5A ST

Functional relationship



Load selection

Check the 24 V DC load, 0.5 A channel limit and group/module loading conditions.

Configuration boundary

Values apply to DQ 16x24VDC/0.5A ST 6ES7522-1BH00-0AB0. Load-dependent switching limits and installation conditions remain applicable.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

02 / Technical characteristics

Hardware and functional data

Product series	SIMATIC S7-1500
Module designation	DQ 16x24VDC/0.5A ST
Output channels	16, arranged in two groups of 8
Output technology	Current-sourcing transistor
Rated output voltage	24 V DC
Rated channel current	0.5 A
Group current	4 A maximum, subject to installation conditions

Interfaces and operating conditions

Module current	8 A maximum, subject to installation conditions
Typical power loss	2 W
Backplane power	1.1 W
Diagnostics	Supply voltage and short circuit
Substitute values	Configurable
Wire-break diagnostics	Not provided
Safety-function suitability	No

Product and installation enquiries

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03 / Application and integration contexts

Solenoid-valve outputs

Switch suitable 24 V DC valve loads within the channel, group and inductive-load limits.

DC-contactor control

Control compatible contactor coils with the appropriate protective and diagnostic configuration.

PLC integration

Configure the exact DQ16 ST module and its output addresses in the compatible S7-1500 or ET 200MP arrangement.

Indicator-light circuits

Drive compatible indicators within the lamp-load and switching-frequency limits.

Configured fault response

Use substitute values and diagnostic alarms to support the engineered machine response to a fault.

Fault response

Set appropriate substitute values and validate diagnostic alarms and the machine response to loss of supply.

Product and installation enquiries

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04 / Installation and release decisions

Load selection

Check the 24 V DC load, 0.5 A channel limit and group/module loading conditions.

PLC integration

Configure the exact DQ16 ST module and its output addresses in the compatible S7-1500 or ET 200MP arrangement.

Fault response

Set appropriate substitute values and validate diagnostic alarms and the machine response to loss of supply.

Output acceptance

Test commanded outputs, indication and connected-load behavior; do not parallel outputs for current uprating.

Protect the hardware

Use the applicable isolation and electrostatic-discharge controls. Preserve connectors, identification and mechanical retention during handling.

Verify the restored function

Apply the approved site acceptance procedure and compare actual behavior with the recorded system configuration before returning equipment to service.

Product and installation enquiries

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Apply manufacturer instructions and approved site procedures.

05 / Lifecycle, evidence and related portfolio

Lifecycle status

The manufacturer lifecycle phase is End of Product Lifecycle. Plan service and any replacement around the complete installed configuration.

Supply boundary

Apter Power availability and dispatch are confirmed separately from the manufacturer lifecycle phase.

Technical basis

Siemens 6ES7522-1BH00-0AB0 Product Data Sheet; Digital Output Module DQ 16x24VDC/0.5A ST Manual, A5E03485531-AD, 09/2016.

Related product references

Siemens 6ES7592-1BM00-0XA0

Siemens 6XV1830-0EH10 200M

Siemens 6DD1661-0AE0

Navigation only; no substitute or accessory compatibility is implied.

Offered-unit verification

Compare the complete label, connectors, mounting arrangement and applicable hardware/software revision. Confirm included components and accompanying documents in the quotation.

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