

SIMATIC ET 200SP

Installation Instructions

6ES7132-6BH01-0BA0

ET 200SP Digital Output Module

PRODUCT TYPE	DIGITAL OUTPUTS	OUTPUT TYPE	RATED SUPPLY
DQ 16x24VDC/0.5A ST	16	PNP, P-switching source output	24 V DC

01 PRODUCT VERIFICATION

Article number	6ES7132-6BH01-0BA0
Product	ET 200SP Digital Output Module
Family	SIMATIC ET 200SP
Product type	DQ 16x24VDC/0.5A ST
Digital outputs	16
Output type	PNP, P-switching source output
Rated supply	24 V DC
Supply range	19.2–28.8 V DC

02 BEFORE INSTALLATION

- De-energize the ET 200SP station and every connected load circuit before inserting or wiring the module.
- Install the module only on BaseUnit type A0 and begin its load group with a light-colored BaseUnit.

OFFICIAL INSTALLATION DRAWING

The selected Siemens source page is retained as the installation and wiring reference. Use the current controlled manual for final work.

Connecting

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4.1 Wiring diagram

This section contains the pin assignment for the module.

You can find information on wiring the BaseUnit in the ET 200SP Distributed I/O System (<http://support.automation.siemens.com/WW/view/en/58649293>) System Manual.

NOTE

The load group of the module must begin with a light-colored BaseUnit. Also keep this in mind during configuration.

NOTICE

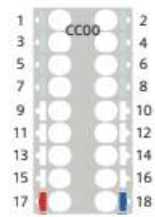
You may only use the digital output module with a type A0 BaseUnit.
With the type A1 BaseUnit, the integrated fuse can be triggered, rendering the terminals unusable.

NOTE**Cross-circuit at output**

Note that a voltage applied at the output due to a cross-circuit can lead to the modules being supplied with L+.

Pin assignment: 1-wire connection of actuators

The following table shows an example of the pin assignment of the digital output module DQ 16x24VDC/0.5A ST on the BaseUnit BU type A0 without AUX terminals:

Description	Signal	Terminal	BaseUnit BU type A0	Terminal	Signal	Description
Digital output, channel 0	DQ ₀	1		2	DQ ₁	Digital output, channel 1
Digital output, channel 2	DQ ₂	3		4	DQ ₃	Digital output, channel 3
Digital output, channel 4	DQ ₄	5		6	DQ ₅	Digital output, channel 5
Digital output, channel 6	DQ ₆	7		8	DQ ₇	Digital output, channel 7
Digital output, channel 8	DQ ₈	9		10	DQ ₉	Digital output, channel 9
Digital output, channel 10	DQ ₁₀	11		12	DQ ₁₁	Digital output, channel 11
Digital output, channel 12	DQ ₁₂	13		14	DQ ₁₃	Digital output, channel 13
Digital output, channel 14	DQ ₁₄	15		16	DQ ₁₅	Digital output, channel 15
24 V DC supply voltage	L+	17		18	M	Ground

Digital output module DQ 16x24VDC/0.5A ST (6ES7132-6BH01-0BA0)
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04 INSTALLATION SEQUENCE

01

De-energize the ET 200SP station and every connected load circuit before inserting or wiring the module.

02

Install the module only on BaseUnit type A0 and begin its load group with a light-colored BaseUnit.

03

Wire the actuators using the documented one-, two- or three-wire terminal assignment for the selected BaseUnit.

04

Verify channel diagnostics, substitute values, total current and temperature derating before enabling the outputs.

05 OFFICIAL DOCUMENTATION

ET 200SP DQ 16x24VDC/0.5A ST Equipment Manual (A5E03574420-AE)

[Open current Siemens manual](#)

[Open Siemens exact product record](#)

06 SUPPORT CONTACT

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