

APTER POWER PRODUCT MANUAL

6ES7288-5DT04-0AA0

SIMATIC S7-200 SMART SB DT04 Digital I/O Signal Board

The Siemens 6ES7288-5DT04-0AA0 is a SIMATIC S7-200 SMART SB DT04 Digital I/O Signal Board that provides two digital inputs plus two 0.75 A transistor outputs on a compact signal board.

In an S7-200 SMART automation station, it adds two 24 V DC digital inputs and two fast 24 V DC transistor outputs to a compatible CPU signal-board slot. It works with the exact CPU, expansion-bus or signal-board interface, wiring, field devices, and project configuration specified for the complete article number. It is applied in small interlocks, local sensors, indicators, solenoids, and machine-option I/O.

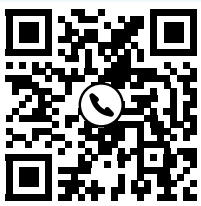
Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Two inputs. Two fast outputs. Minimal-footprint machine options.

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SCAN FOR PRODUCT & QUOTE
6ES7288-5DT04-0AA0

1. Product Overview and Identity

The Siemens 6ES7288-5DT04-0AA0 is a SIMATIC S7-200 SMART SB DT04 Digital I/O Signal Board that provides two digital inputs plus two 0.75 A transistor outputs on a compact signal board.

In an S7-200 SMART automation station, it adds two 24 V DC digital inputs and two fast 24 V DC transistor outputs to a compatible CPU signal-board slot. It works with the exact CPU, expansion-bus or signal-board interface, wiring, field devices, and project configuration specified for the complete article number. It is applied in small interlocks, local sensors, indicators, solenoids, and machine-option I/O.

Model Configuration

Field	Verified information
Complete model	6ES7288-5DT04-0AA0
Manufacturer	Siemens
Product description	SIMATIC S7-200 SMART SB DT04 Digital I/O Signal Board

Key Features

- Exact Siemens MLFB 6ES7288-5DT04-0AA0
- SIMATIC S7-200 SMART SB DT04 Digital I/O Signal Board
- 2 digital inputs and 2 transistor outputs, 24 V DC
- 24 V DC; 20.4 to 28.8 V DC
- 35 x 52.2 x 16 mm
- 0.0181 kg approximate device weight

2. Technical Specifications

Only manufacturer-confirmed information is stated. Values absent from the named Siemens source are marked for nameplate or document verification.

Parameter	Verified value
Product type	SIMATIC S7-200 SMART SB DT04 Digital I/O Signal Board
Complete article number	6ES7288-5DT04-0AA0
System	SIMATIC S7-200 SMART
Primary function	two digital inputs plus two 0.75 A transistor outputs on a compact signal board
Signal configuration	2 digital inputs and 2 transistor outputs, 24 V DC
Supply / host interface	24 V DC; 20.4 to 28.8 V DC
Product type designation	SB DT04, DI 2x24 V DC, DQ 2x24 V DC/0.75 A
Digital inputs	2
Digital outputs	2
Rated output current	0.75 A
Input delay	20 microseconds maximum
Output delay	2 microseconds on; 10 microseconds off
Power loss	1.0 W
Degree of protection	IP20
Device dimensions	35 x 52.2 x 16 mm (W x H x D)
Approximate device weight	0.0181 kg
Country of origin	Germany
Lifecycle	The exact article number is documented in current Siemens technical data and product records; confirm regional ordering availability at quotation.

Verification Note

Use the complete 6ES7288-5DT04-0AA0 identifier. The exact article number is documented in current Siemens technical data and product records; confirm regional ordering availability at quotation. Values not published in the cited Siemens sources are intentionally not inferred.

3. Functions, Applications and Components

Core Functions

- Adds two 24 V DC digital inputs and two fast 24 V DC transistor outputs to a compatible CPU signal-board slot.
- Maintains the documented SB DT04 function for the complete 6ES7288-5DT04-0AA0 article number.
- Provides a model-specific basis for wiring, configuration, commissioning, diagnostics, and replacement verification.

Application Areas

Application	System role
Machine-option I/O	Adds two input states and two fast transistor commands without a full-width module
Local sensor acquisition	Reads compatible 24 V DC switches and sensors
Fast actuator command	Drives compatible 24 V DC electronic loads within channel limits
Compact CPU expansion	Supports small interlocks, local sensors, indicators, solenoids, and machine-option I/O

Compatible Components

- S7-200 SMART CPU whose documentation explicitly supports 6ES7288-5DT04-0AA0
- Compatible CPU signal-board slot, cover, connector, and mechanical arrangement
- STEP 7 Micro/WIN SMART hardware configuration and firmware matched to the exact CPU and board
- Field cable, shielding, grounding, and connected devices matched to the published interface

Lifecycle Status

The exact article number is documented in current Siemens technical data and product records; confirm regional ordering availability at quotation.

4. Installation Precautions

- Identity: Match every character of 6ES7288-5DT04-0AA0 and the SB DT04 marking to the physical nameplate and project
- Host and power: Verify 24 V DC; 20.4 to 28.8 V DC; isolate all energy sources before insertion, removal, or wiring
- Digital I/O: Verify input commons, output polarity, 0.75 A channel rating, group current, load suppression, and absence of output short-circuit protection
- Cabling: Follow Siemens terminal, shielding, grounding, separation, and maximum cable-length instructions
- Commissioning: Verify addresses and scaling, energize one circuit group at a time, test fail-safe behavior, and record results

STOP - Verify before installation

Use the complete 6ES7288-5DT04-0AA0 identifier. The exact article number is documented in current Siemens technical data and product records; confirm regional ordering availability at quotation. Values not published in the cited Siemens sources are intentionally not inferred.

Use the physical nameplate and current Siemens documents as the controlling records.

5. Official Source and Use Notice

Official source

Siemens official technical data sheet or product record for 6ES7288-5DT04-0AA0: <https://support.industry.siemens.com/teddatasheet/?caller=SIOS&format=pdf&language=en&mlfbs=6ES7288-5DT04-0AA0>; Siemens official system manual used for model-specific installation and compatibility context:

https://support.industry.siemens.com/cs/attachments/109745610/s7-200_SMART_system_manual_en-US.pdf

Apter Power product page

<https://www.apterpower.com/Siemens/6es7288-5dt04-0aa0>

Use Notice

This is an original Apter Power product-specific reference prepared from the Siemens source named above. It is not a Siemens publication and does not replace the original data sheet, nameplate, certificate, installation drawing, safety instructions, or machine-builder documentation.

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