

MANUFACTURER-SOURCE TECHNICAL REFERENCE

Siemens 6ES7321-1BL00-0AA0

6ES7321-1BL00-0AA0 Evidence-Bounded Product Information Manual

Siemens SIMATIC S7-300 SM321 isolated digital input module

DOCUMENT SCOPE

Independent Apter Power manual compiled only from the cited Siemens manufacturer sources. No product photograph is included.

Product / lookup identity	Siemens 6ES7321-1BL00-0AA0
Reference number	6ES7321-1BL00-0AA0
Document basis	Published Siemens product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/Siemens/6es7321-1bl00-0aa0>

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Workflow and system context

Siemens 6ES7321-1BL00-0AA0 is an evidence-bounded SIMATIC S7-300 SM321 isolated digital input module. System role: It provides 32 isolated 24 V DC digital inputs through one 40-pole front connector.

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| 01 | System Inputs: It provides 32 isolated 24 V DC digital inputs through one 40-pole front connector. |
| 02 | Processing: Use only with the exact host, terminal base, cable, firmware and engineering configuration documented for the installed system. |

Published context and boundaries

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|----|---|
| 01 | Verify the complete Siemens 6ES7321-1BL00-0AA0 physical label and installed-system documentation before use. |
| 02 | Verify field supply, sensor logic, grouping, input delay and the exact 40-pole connector wiring before commissioning. |
| 03 | Origin and HS code remain unpublished unless an exact manufacturer record or the physical package label establishes them. |

Verification and release checks

01	Verify the complete Siemens 6ES7321-1BL00-0AA0 label, revision and installed-system documentation before use.
02	Verify field supply, sensor logic, grouping, input delay and the exact 40-pole connector wiring before commissioning.
03	De-energize the equipment and follow the site's approved electrical and process-safety procedure before disturbing hardware or wiring.
04	Back up controller, drive, network and configuration data before replacement, migration or firmware work.
05	Verify every companion module, cable, connector, termination and power source from approved drawings.
06	Do not copy electrical, communication, mechanical or lifecycle values from a related model or successor.

Identity and release controls

Verification Status	Verified Evidence Bounded
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Official Siemens sources

S7-300 Module Data - Equipment Manual (A5E00105505-AK)	https://cache.industry.siemens.com/dl/files/629/8859629/att_55794/v1/s7300_module_data_manual_en-US_en-US.pdf
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