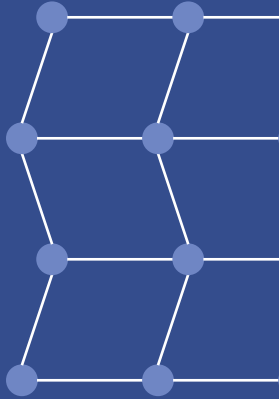


MANUFACTURER-SOURCE TECHNICAL REFERENCE

Siemens 6ES7321-1BL00-0AA0

Product Reference

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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Product role and published parameters

WHAT IT IS, WHAT IT DOES, AND WHERE IT FITS

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. System context: Siemens SIMATIC S7-300 SM321 isolated digital input module.

Published field	Manufacturer-published value or verified identity note
Exact requested identity	6ES7321-1BL00-0AA0
Product class	SIMATIC S7-300 SM321 isolated digital input module
Exact Siemens article	6ES7321-1BL00-0AA0
Inputs	32 digital inputs
Rated input	24 V DC
Isolation	Isolated
Front connector	1 x 40-pole

System function and signal path

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.

Applications, answers, and official sources

1 Installed-base maintenance: Supports evidence-led identification and replacement planning for Siemens 6ES7321-1BL00-0AA0.

2 System documentation: Provides a source-traceable boundary for the documented SIMATIC S7-300 signal-module architecture configuration.

3 Commissioning review: Guides identity, companion-hardware, wiring and controlled functional checks before return to service.

4 Migration assessment: Separates exact-model facts from successor, sibling and family-level information.

Frequently asked questions

What is Siemens 6ES7321-1BL00-0AA0?	It is an evidence-bounded SIMATIC S7-300 SM321 isolated digital input module; this page is limited to the cited manufacturer evidence.
Is the exact identity verified?	Verified Evidence Bounded.
What is its system role?	It provides 32 isolated 24 V DC digital inputs through one 40-pole front connector.
Which installed-base context is documented?	SIMATIC S7-300 signal-module architecture.
Are related models automatic substitutes?	No. A sibling, repair code, suffix or engineering replacement is not an unconditional drop-in approval.
Must the physical label be checked?	Yes. Verify the model, revision, firmware and all order or configuration suffixes.

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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