

MANUFACTURER-SOURCE TECHNICAL REFERENCE

Siemens 6ES7421-1BL01-0AA0

Product Reference

Siemens SIMATIC S7-400 SM421 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 6ES7421-1BL01-0AA0
Reference number	6ES7421-1BL01-0AA0
Document basis	Published Siemens product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/Siemens/6es7421-1bl01-0aa0>

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Product role and published parameters

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

Siemens 6ES7421-1BL01-0AA0 is an evidence-bounded SIMATIC S7-400 SM421 digital input module. System role: It provides 32 isolated 24 V DC digital inputs in an S7-400 station. System context: Siemens SIMATIC S7-400 SM421 digital input module.

Published field	Manufacturer-published value or verified identity note
Exact requested identity	6ES7421-1BL01-0AA0
Product class	SIMATIC S7-400 SM421 digital input module
Inputs	32 digital inputs
Input voltage	24 V DC
Isolation	Isolated
Net weight	0.770 kg
Lifecycle	PM300 active; phase-out since 2025-10-01

System function and signal path

01	System Inputs: It provides 32 isolated 24 V DC digital inputs in an S7-400 station.
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 6ES7421-1BL01-0AA0.

2 System documentation: Provides a source-traceable boundary for the documented SIMATIC S7-400 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 6ES7421-1BL01-0AA0?	It is an evidence-bounded SIMATIC S7-400 SM421 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 in an S7-400 station.
Which installed-base context is documented?	SIMATIC S7-400 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

Siemens S7-400 Module Data manual	Official PDF: s7_400_module_data_en-US_en-US.pdf
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