Siemens 6ES7365-0BA01-0AA0

Installation & Commissioning Guide

01 Define the installed-system task

The IM 365 extends an S7-300 installation across two racks while keeping the expansion connection local and fixed.

Technical values apply to the complete 6ES7365-0BA01-0AA0 execution. Retain the actual installed configuration and applicable Siemens instructions.

Product type	IM 365 interface pair
System	SIMATIC S7-300
Expansion	One expansion rack
Assembly	2 interface modules and connecting cable
Cable length	1 m

Retain the project and identification record

Keep the complete 6ES7365-0BA01-0AA0 marking, installed configuration and approved application records together. Use the applicable Siemens and machine procedures to plan isolation, replacement and release.

02 Review the signal, power or memory path

The order identity covers two interface modules and a 1 m connecting cable. It links one expansion rack to the central rack. Confirm both members of the pair and the cable when checking an offered replacement assembly.

The expansion connection does not transfer the communications bus. This limitation must be considered before placing modules that need that bus into the expansion rack. The interface limit is one pair per CPU; it is not a general multi-rack expansion system.

Communication bus	Not carried to the expansion rack
Backplane input	5 V DC; 100 mA maximum
Power loss	0.5 W typical
CPU interface limit	1 pair per CPU

Check	Compare the installed configuration with the complete offered reference
Record	Retain the supply, interface or memory settings applicable to this item
Accept	Proceed only when the system record and actual hardware agree

03 Preserve configuration during replacement

What is included in the order identity of 6ES7365-0BA01-0AA0?

The IM 365 reference identifies two interface modules and a 1 m connecting cable. Confirm the offered assembly contents explicitly.

How many expansion racks can 6ES7365-0BA01-0AA0 connect?

It connects one expansion rack to the S7-300 central rack.

Does 6ES7365-0BA01-0AA0 carry the communications bus to the expansion rack?

No. The communications bus is not carried over this connection. Check the bus requirements of every proposed expansion-rack module.

What cable length belongs to 6ES7365-0BA01-0AA0?

The set uses a 1 m connecting cable. Match the installed pair and cable arrangement before replacement.

Configuration acceptance

Maximum current drawn from the 5 V backplane is 100 mA and typical loss is 0.5 W. Retain the rack allocation and power-budget record during installation. Verify the resulting I/O configuration and the signal path to each fitted module before returning the controller to service.

04 Commission and resolve diagnostic differences

What is the backplane input current of 6ES7365-0BA01-0AA0?

Maximum current drawn from the 5 V DC backplane is 100 mA.

How much power is dissipated by 6ES7365-0BA01-0AA0?

Typical power loss is 0.5 W. Retain the rack power and thermal assessment for the complete installed system.

Can multiple 6ES7365-0BA01-0AA0 pairs be added to one CPU?

The stated limit is one interface pair per CPU. It is not a general multi-rack expansion arrangement.

What should be tested after installing 6ES7365-0BA01-0AA0?

Verify the central-to-expansion connection, configured rack allocation and the signal path through each fitted I/O module before returning the machine to service.

Release check

Use the approved machine test to verify the intended function, receiving-system response and diagnostic state. Record the final settings and restore the planned operating configuration before service.

05 Handover and lifecycle planning

6ES7365-0BA01-0AA0: The product is in the manufacturer product-cancellation stage and designated for replacement-part support.

Support and replacement: Confirm current service and replacement guidance with Siemens using the complete marking, hardware revision and installed configuration.

Availability: Apter Power supply availability is confirmed separately from manufacturer lifecycle and support status.

Installed-system handover

Retain the full 6ES7365-0BA01-0AA0 identity, hardware and configuration record, application archive and commissioning results. Confirm both IM 365 modules and the 1 m connecting cable; do not assume a single pictured module is the complete set.

Explore other Siemens references

Portfolio navigation only; no compatibility or substitution is implied.

Siemens 6ES7134-4NB51-0AB0	View product
Siemens 6ES7417-4XT05-0AB0	View product
Siemens 6ES7331-7PF11-0AB0	View product

Discuss your complete reference

Siemens 6ES7365-0BA01-0AA0
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Technical reference

Siemens 6ES7365-0BA01-0AA0 Data Sheet