Siemens 6ES7365-0BA01-0AA0

Complete Product Information

Siemens 6ES7365-0BA01-0AA0 is an IM 365 interface set that connects one S7-300 expansion rack using two modules and a 1 m connecting cable.

Operating context

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.

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.

Configuration snapshot

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
Communication bus	Not carried to the expansion rack
Backplane input	5 V DC; 100 mA maximum

02 Technical configuration and interfaces

Power loss	0.5 W typical
CPU interface limit	1 pair per CPU

System and configuration relationships

System relationship

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

Configuration boundary

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.

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

03 Applications and precautions

Application context

Local I/O expansion

Use the matched IM 365 pair to connect one expansion rack to an S7-300 central rack. Plan the rack allocation around the fixed local connection.

Expansion-rack selection

Check each proposed expansion module against the available bus arrangement. Modules requiring the communications bus need a rack configuration that provides that bus.

Interface-pair service

Treat the two interface modules and connecting cable as one documented arrangement. Match both members and preserve the installed central-to-expansion rack relationship.

Rack power review

Include the interface pair in the station backplane budget. Confirm the resulting I/O configuration and each fitted module signal path before returning the station to service.

Commissioning precautions

Confirm the complete pair

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

Keep the rack limit

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

Check communications-bus needs

The communications bus is not carried over this connection. Check the bus requirements of every proposed expansion-rack module.

Preserve cable arrangement

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

Budget backplane current

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

Check thermal loading

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

04 Engineering questions

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.

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.

05 Lifecycle and offered-unit information

Lifecycle status

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.

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

Available unit details

Offered reference: Siemens 6ES7365-0BA01-0AA0. Condition: New, original product.

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

Included items: Confirm both IM 365 modules and the 1 m connecting cable; do not assume a single pictured module is the complete set.

Technical reference

Siemens 6ES7365-0BA01-0AA0 Data Sheet

Discuss your complete reference

Siemens 6ES7365-0BA01-0AA0

New, original product

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